**1999 Annual Mixed Waste Management Facility Groundwater
Correction - Action Report
(Volumes I, II, and III)**

by

J. Chase

Westinghouse Savannah River Company
Savannah River Site
Aiken, South Carolina 29808

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Executive Summary

This Corrective Action Report (CAR) for the Mixed Waste Management Facility (MWMF) is being prepared to comply with the Resource Conservation and Recovery Act (RCRA) Permit Number SC1 890 008 989, dated October 31, 1999. This CAR compiles and presents all groundwater sampling and monitoring activities that are conducted at the MWMF. As set forth in previous agreements with South Carolina Department of Health and Environmental Control (SCDHEC), all groundwater associated with the Burial Ground Complex (BGC) (comprised of the MWMF, Low-Level Radioactive Waste Disposal Facility, and Old Radioactive Waste Burial Ground) will be addressed under this RCRA Permit. This CAR is the first to be written for the MWMF and presents monitoring activities and results as an outcome of Interim Status and limited Permitted Status activities. All 1999 groundwater monitoring activities were conducted while the MWMF was operated during Interim Status. Changes to the groundwater monitoring program were made upon receipt of the RCRA Permit, where feasible.

During 1999, 152 single-screened and six multi-screened groundwater monitoring wells at the BGC monitored groundwater quality in the uppermost aquifer as required by the South Carolina Hazardous Waste Management Regulations (SCHWMR), settlement agreements 87-52-SW and 91-51-SW, and RCRA Permit SC1 890 008 989. However, overall compliance with the recently issued RCRA Permit could not be implemented until the year 2000 due to the effective date of the RCRA Permit and scheduling of groundwater monitoring activities. Changes have been made to the groundwater monitoring network to meet Permit requirements for all 2000 sampling events.

Groundwater sampling was conducted during second and fourth quarters of the 1999. During the second quarter sampling event, only the Point of Compliance (POC) and background wells were sampled. During the fourth quarter, all groundwater monitoring wells were sampled. Samples from the wells were analyzed for selected heavy metals, indicator parameters, radionuclides, volatile organic compounds, and other constituents. Additionally, twenty percent of the POC wells were selected for a comprehensive monitoring list that comprised an Appendix IX, Gamma PHA, and specific analytes for alpha and beta emitters. All groundwater data collected from the 1999 sampling events are presented in Tables D-2, D-3, and D-4 in Appendix D. Each table corresponds to the appropriate well assignments for POC, background, and assessment wells, respectively. Appendix F contains hydrographs for the wells at the BGC while Appendices G and H contain time-series plots for tritium and trichloroethylene, respectively. Appendices I and J contain planar plume maps and plumes in cross section, respectively for tritium and trichloroethylene.

To provide an overall assessment on the extent of groundwater contamination at the BGC, data from the fourth quarter 1999 sampling event was evaluated. During fourth quarter 1999, one or more constituents exceeded the final or interim (radionuclides only) Primary Drinking Water Standards (PDWS). These elevated constituents included 1,1-dichloroethylene, carbon-14, chromium, gross alpha, lead, lithium, radium-226, tetrachloroethylene, trichloroethylene, tritium, and vinyl chloride (Table D-6, Appendix D). Consistent with historical trends, elevated constituent levels were found primarily in the Upper Aquifer Zone (UAZ) of the Upper Three Runs Aquifer (UTRA) and Lower Aquifer Zone (LAZ) of the UTRA. However, six wells in Gordon Aquifer contained elevated constituents.

As in previous quarters, tritium and trichloroethylene were the most widespread elevated constituents. During fourth quarter 1999, eighty-one (51%) of the 158 monitoring wells contained tritium activities in

excess of the PDWS. Trichloroethylene concentrations exceeded the final PDWS in 31 (20%) of the 158 monitoring wells.

Surface stream water data from the Engineered Ditch, Old F-Area Effluent Ditch (OFED), and Fourmile Branch in the Southwest Plume (SWP) are included in Appendix E. Seepage water data from the OFED are also included in Appendix E. As in the groundwater, tritium and TCE are the more prevalent contaminants exhibited above the PDWS.

Groundwater flow directions and rates in the UAZ-UTRA, LAZ-UTRA, and Gordon Aquifer were generally similar to those of previous quarters.

As stated in the Permit and in previous agreements with SCDHEC, groundwater corrective action at the BGC is to be conducted on a plume-by-plume basis. The first plume to be addressed is the southwest plume (SWP) area. Interim Measures (IM) are currently being implemented at the SWP. The IM involves the installation of multi-level groundwater monitoring wells, construction of a sheet pile dam, and installation of an irrigation system and In-situ volatile organic (VOC) remediation system.

The main focus of the IM is to reduce the amount of tritiated contaminated surface water entering Fourmile Branch from the SWP. This reduction will be conducted by damming groundwater outcrops with higher levels of tritium within a natural discharge channel and pumping the dammed water to an irrigation system, which will irrigate naturally forested areas that are composed of pines and hardwoods in the SWP. The irrigation of the dammed water onto the naturally forested areas will facilitate the management of the tritiated water by employing the natural process of evapotranspiration. This is commonly referred to as phytoremediation. Secondly, an In-situ VOC remediation system will be designed, constructed, and installed at VOC "hot spots" to facilitate the remediation of VOC contamination in the groundwater. To date, the multi-level groundwater monitoring wells have been installed and construction has begun on the dam.

Because there is no active groundwater remediation currently employed at the SWP, this CAR does not provide an evaluation in regards to the effectiveness of the remedial efforts. No statistical analyses or associated graphs are presented in the report. This report does evaluate the groundwater data collected during 1999 from the groundwater monitoring well network at the BGC as required in the Permit.

Introduction

Facility Description

The Burial Ground Complex (BGC) occupies approximately 134 hectares (ha) (330 acres [ac]) within the 3,885-ha (9,600-ac) General Separations Area (GSA) at the Savannah River Site (SRS) (Figure 1, Appendix A). The BGC encompasses inactive (former), active, and future disposal units, which are classified based on waste type and status of the individual facility. The complex comprises the following units:

- Old Radioactive Waste Burial Ground (ORWBG)
- Mixed Waste Management Facility/Low-Level Radioactive Waste Disposal Facility (MWMF/LLRWDF)
- E-Area Vaults (EAV)

Management areas include areas for storage of solid metallic wastes, radioactive wastes, and spent solvent wastes generated from SRS plant processes. Additionally, mixed waste is stored in individual areas of the BGC (for example, waste products containing both radioactive and hazardous wastes).

The ORWBG encompasses 31 ha (76 ac) and is an inactive trench disposal area that received radioactive waste between 1951 and 1972. A low-permeability native soil cover has been constructed over the ORWBG to mitigate rainwater infiltration and the subsequent movement of contaminants from the buried wastes into the groundwater.

The MWMF/LLRWDF, which encompasses approximately 103 ha (254 ac), began accepting low-level radioactive waste in 1972. A two-year investigation, which began in 1984, determined that mixed waste (both radioactive and hazardous) had also been disposed in the facility. The mixed waste management areas have since been designated the MWMF portion of the LLRWDF, where disposal was halted in 1986. A Resource Conservation and Recovery Act (RCRA) Closure Plan for the MWMF, which included installation of a low-permeability clay cap and vegetative cover, was approved by the South Carolina Department of Health and Environmental Control (SCDHEC) in 1987. Closure was completed in 1990 and accepted by SCDHEC in April 1991. Investigations have since confirmed that additional areas of the LLRWDF contain mixed waste and have been included as an amendment to the original settlement agreement with SCDHEC. A RCRA Closure Plan was submitted for the remainder of the LLRWDF on January 21, 1994. Disposal operations at the LLRWDF were discontinued in March 1995. A RCRA cap has been constructed over the LLRWDF.

The EAV is presently used for the storage of low-level radioactive waste in above-ground concrete vaults. Storage began in the completed portion of the EAV, in 1994, when the LLRWDF became inactive.

Hydrostratigraphic Units

The BGC groundwater monitoring well network monitors three distinct hydrostratigraphic units in the uppermost aquifer beneath the facility: Upper Aquifer Zone of the Upper Three Runs Aquifer (UAZ-UTRA), which is underlain by "tan clay" confining zone; the semi-confined Lower Aquifer Zone of the

Upper Three Runs Aquifer (LAZ-UTRA); and the semi-confined Gordon Aquifer, which is separated from the overlying LAZ-UTRA by the Gordon Confining Unit and underlain by the principal confining unit (Meyers Branch Confining System). The principal confining unit lies approximately 300 ft below the surface of the Burial Ground Complex.

Chronology of Major Events

The MWMF is part of the BGC, which is composed of the ORWBG, the LLRWDF, and the E-Area Vaults. The Burial Ground Complex is located in the central part of the Savannah River Site (SRS) (Figure 1, Appendix A) within the General Separations Area. The following description outlines important events in the history of the MWMF:

- In 1972, the MWMF began receiving various radioactive and nonradioactive wastes (Heffner and Exploration Resources, 1991).
- A closure plan for the MWMF was filed November 23, 1985, with the South Carolina Department of Health and Environmental Control (SCDHEC) (Jaegge et al., 1987). The closure plan included placing a low permeability cap and final vegetative cover over the facility.
- The MWMF became inactive in 1986.
- A consent decree between the U.S. Department of Energy and the Natural Resources Defense Council et al. (Civil Action 1:85-2583-6, U.S. District Court, District of South Carolina, Aiken Division), signed May 26, 1988, and effective June 1, 1988, identified the MWMF as subject to the requirements of Subtitle C of the Resource Conservation and Recovery Act (RCRA).
- SCDHEC approved an interim status closure plan for the MWMF in December 1990 and accepted the closure certification in April 1991 in accordance with South Carolina Hazardous Waste Management Regulations (SCHWMR), Subpart G (SCDHEC, 1993).
- A 1992 RCRA Part B Permit Renewal Application was submitted to SCDHEC in November 1992. This Renewal Application is being applied for as part of the overall SRS RCRA Part B Permit. This Renewal Application pertained to Volume VII Books 1 through 7 for the MWMF which applied for "post-closure care" status for the 58-acre MWMF and the 13-acre Solvent Rag Portions of the LLRWDF. These disposal areas were included in Volume VII of the Renewal Application as agreed upon by SRS and SCDHEC in settlement agreements 87-52-SW (May 10, 1991) and 91-51-SW (August 26, 1991).
- A closure plan for the Solvent Rag Portions was submitted to SCDHEC in August 1993.
- A revision 2 1992 RCRA Part B Permit Renewal Application for the MWMF was submitted to SCDHEC on November 30, 1993. This Application contained a Corrective Action Plan for groundwater remediation at the MWMF.
- Beginning first quarter 1994, wells FSS 1D, 2D, 3D, and 4D, located at the F-Area Sewage Sludge Application Site, were added to the MWMF monitoring well network. As a conditional requirement for

the closure of the F-Area Sewage Sludge Application Site, the FSS monitoring wells are monitored for radionuclides related to the Burial Ground Complex.

- Revision 1 of the field investigation plan for the Burial Ground Complex, submitted to SCDHEC in September 1993, was approved in full on October 6, 1994. The field investigation plan addressed data uncertainties that were identified during the preparation of the MWMF RCRA Part B post-closure care permit application renewal.
- Phase 1 of the field investigation plan field work was divided into the following subphases: 1A—installation of 12 groundwater monitoring wells, 1B—exploratory work in the southwest corner of the Burial Ground Complex using direct push technology and exploratory borings, 1C—exploratory work in the northeast corner of the Burial Ground Complex using direct-push technology and exploratory borings, and 1D—soil gas survey. Subphases 1B and 1C determined the horizontal and vertical extent of groundwater contamination away from the Burial Ground Complex. All activities of Phase 1 have been completed.
- In January 1995, a field investigation preliminary data report (No. 1) was submitted to provide the data obtained during Phases 1A, 1B, and 1D. Phase 1C data were not completed by submittal time; therefore, they were not included in the report.
- Phase 2 of the field investigation plan field work was divided into the following subphases: 2A—installation of 11 groundwater monitoring wells, 2B—soil sampling in and around the Burial Ground Complex to determine the source of contamination and background soil sampling, which will be used to establish "trigger levels" of potential contamination at the Burial Ground Complex, 2C—exploratory work around the Burial Ground Complex using direct-push technology (cone penetrometer and hydropunch) and exploratory borings, 2D—vadose sampling in and around the Burial Ground Complex to determine hydraulic conductivity of the vadose zone, and 2E—Fourmile Branch ecological sampling. The groundwater wells of subphase 2A have been installed. The first part of subphase 2B (background soil sampling) and the cone penetrometer logging and water sampling have been completed. Due to budgetary cutbacks, the remaining field work associated with Phases 2B, 2C, 2D, and 2E was postponed until 1996.
- The 23 groundwater monitoring wells installed in and around the Burial Ground Complex in 1994 as part of Phases 1A and 2A of the Burial Ground Complex field investigation plan were scheduled for sampling for the first time during first or fourth quarters 1995.
- Quarterly groundwater monitoring at the Burial Ground Complex has been discontinued. The current sampling strategy is as follows: the POC wells are sampled twice a year, the plume assessment wells are sampled annually, and 20% of the POC wells are sampled annually for an expanded analyte list. In 1996, the groundwater monitoring report became an annual publication. The POC wells were defined as well clusters BGO 1 through 24, except for BGO 9AA, 10AA, and 10B which are assessment wells. All remaining well clusters are defined as plume assessment wells.
- In November 1995, revision 3 to the 1992 Part B Permit Renewal Application for the MWMF was submitted to SCDHEC. This revision included a groundwater Corrective Action Schedule that identifies a schedule of activities [Alternate Concentration Limit (ACL) Demonstrations, Mixing Zone (MZ) Requests, and Corrective Action Plans] proposed for each of the three plume areas pursuant to

R.61-79.270(c)(7). The Corrective Action Schedule contained in this Permit Renewal Application superseded the groundwater Corrective Action Plan submitted in the revision 2 Permit Renewal Application for the MWMF. The first plume area to be addressed by the revision 3 Permit Application was the southwest plume. A subsequent revision to this Permit Application would include proposed clean-up levels (ACL/MZ) for the southwest plume supported by statistical analysis.

- The remaining Phase 2 activities (2B, 2C, 2D, and 2E) were completed in 1996.
- In January 1996, wells BGO 3D, 11D, 12AR, 12CR, 12D, and 19D were abandoned and replaced by wells BGO 3DR, 11DR, 12AX, 12CX, 12DR, and 19DR. These wells were replaced due to interference with the construction of the LLRWDF cap. Sampling began at these new wells during second quarter 1996.
- In March 1996, RCRA cap construction on the remaining portions of the LLRWDF began. A field investigation data report (No. 2), summarizing Phase 2 activities, was submitted to SCDHEC in April 1996.
- In April 1996, a second field investigation preliminary data report (No. 2) was submitted to provide the data obtained during Phases 1C, 2A, 2B, 2C, and 2E.
- In June 1996, wells BGO 22D and 22DR were abandoned due to construction of the LLRWDF cap and replaced with well BGO 22DX.
- In August 1996, revision 4 of the 1992 RCRA Part B Permit Renewal Application for the MWMF was submitted to SCDHEC for approval. This revision of the Permit Application included Volume VII Book 1 of 1 and supercedes earlier versions of the Application that included Volume VII Books 1 through 7. Also included in the revision 4 Application was an Alternate Concentration Limit Demonstration and Mixing Zone Request that proposed alternate clean-up levels for seven (7) Contaminants of Concern as identified through statistical analysis of groundwater data at the southwest plume area.
- In August 1996, construction activities of an interim soil cover over the Old Radioactive Waste Burial Ground began. Deep rock boring DRB 3W and piezometers P-1A, -1B, and -1C were abandoned in September 1996.
- In January 1997, 68 old groundwater monitoring wells in the Burial Ground Complex were abandoned due to age, lack of maintenance and sampling activities, and type of well materials.
- In February 1997, Phase 3E of the Burial Ground Complex field investigation plan was completed. This work involved the sampling of surface water and sediment from Upper Three Runs Creek wetlands.
- In August and September 1997, six multiscreened wells, BSE 1C113, 132, 144, 159; BSE 1D059, 071, 081, 098; BSE 2C108, 127, 139, 154; BSE 2D055, 067, 077, 094; BSE 3C115, 134, 146, 161; and BSE 3D065, 072, 082, 095, were installed in the southeast plume area of the BGC. These wells were installed to provide long-term groundwater monitoring of contaminant migration and impact on the hydrology due to the pump-treat-re-inject treatment system at the H-Area Seepage Basins.

- Notice of Deficiency (NOD) was received on May 1998 from SCDHEC on revision 4 of the MWMF RCRA Part B Post Closure Care Permit. A revision 5, which incorporated responses to the NODs, was submitted to SCDHEC in August 1998.
- Revision 1 to the Aquifer Test Plan (ATP) for the Burial Ground Complex was submitted to SCDHEC in September 1998 and approval granted in October 1998.
- ATP well drilling began in November 1998 and was completed in July 1999. Thirty-one wells were installed of which 10 were pumping wells and 21 were observation wells. Nine independent aquifer tests were conducted between February and August 1999 at three test pads.
- An Interim Measures Plan (IMP) was submitted to SCDHEC in December 1998. The IMP outlines an interim approach to reducing the amount of tritiated contaminated groundwater/surface water from entering Fourmile Branch from seeps within the southwest plume (SWP) area of the BGC. Revision 1 to the IMP was submitted in June 1999 with conditional approval granted by SCDHEC in January 2000.
- In October 1999, the MWMF was permitted for post closure status under RCRA. Also, corrective action is required for the southwest, northwest, northeast, and southeast plumes, all of which originate from the BGC.
- As part of the IMP, 16 multi-level groundwater monitoring wells (BSW well series) were proposed for installation at 8 well sites. SCDHEC approval was received in December 1999 and well installations began in March 2000. These wells will be used in an overall groundwater and effectiveness monitoring program in the SWP.
- As part of the five-year renewal of the SRS Part B Permit, the Corrective Action Plan for the southwest plume was submitted in March 2000.

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Discussion

Burial Ground Complex Groundwater Assessment

Four distinct groundwater impact areas have been identified from data collected during routine groundwater well sampling and from previous groundwater investigations at the BGC (Figure 2, Appendix A). The four distinct areas are the northeast plume (NEP), the northwest plume (NWP), the southeast plume (SEP), and the southwest plume (SWP) areas. The principal contaminants are trichloroethylene (TCE) and tritium, representing the furthestmost advancement of groundwater contamination at the BGC. However, additional contaminants, for instance, lead, tetrachloroethylene, and vinyl chloride, are contained within these plumes near the BGC boundary rather than distally from the BGC.

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

During second and fourth quarters of 1999, groundwater samples from the groundwater monitoring network were analyzed for selected heavy metals, indicator parameters, radionuclides, volatile organic compounds and other constituents. This report describes the results that equaled or exceeded the following standards and are presented in Appendix D:

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

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

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

The PDWS for individual analytes are provided in Appendix B. The standards listed in Appendix B are used as guidelines in this corrective action report to meet regulatory requirements.

Integrity of the Monitoring Network (III.E.H.11.b.xii)

Currently, 152 single-screened and six multi-screened groundwater monitoring wells are sampled to provide an overall assessment on the quality of the groundwater at the BGC. The construction of the wells is similar, however different mechanical processes are used to collect groundwater samples. Wells **BGO** 2D, 3A, 3C, 3DR, 11DR, 12AX, 12CX, 12DR, 19DR, 20A, 20AA, 20B, 20C, 39A, 39C, 51A, 51AA, 51B, 51C, 51D, 52A, 52AA, 52B, 52C, 52D, 53A, 53AA, 53B, 53C, and 53D have variable-speed centrifugal downhole pumps. All remaining wells in the BGO series and all wells in the **BGX**, **FSS**, and **HMD** series and in clusters **HSB** 85, 142, and 151 have single-speed centrifugal downhole pumps. The **BSE** well series have airline driven double valve pumps. The variable-speed centrifugal and airline driven double valve pumps provide for lower flow rates and less purge water during sampling.

Appendix C lists the BGC groundwater monitoring network with aquifer and well assignments. The current groundwater monitoring well network at the MWMF (Figure 3, Appendix A) is composed of the following:

- 63 UAZ-UTRA (Water Table) wells (Figure 4, Appendix A):

BGO 1D, 2D, 3DR, 4D, 5D, 6D, 7D, 8D, 9D, 10DR, 11DR, 12DR, 14DR, 15D, 16D, 17DR, 18D, 19DR, 20D, 21D, 22DX, 23D, 24D, 26D, 27D, 28D, 29D, 30D, 31D, 32D, 33D, 34D, 35D, 36D, 37D, 38D, 39D, 40D, 44D, 45D, 46D, 47D, 48D, 49D, 50D, 51D, 52D, 53D; **BGX** 1D, 9D, 10D, 11D, 12D; **BSE** 1D059, 1D071, 1D081, 1D098, 2D055, 2D067, 2D077, 2D094, 3D065, 3D072, 3D082, 3D095; **FSS** 1D, 2D, 3D, 4D; **HSB** 85C, 142D, 151D

- 61 LAZ-UTRA wells (Figure 5, Appendix A):

BGO 3C, 5C, 6B, 6C, 8C, 10B, 10C, 12CX, 13DR, 14CR, 16B, 20B, 20C, 27C, 29C, 30C, 31C, 33C, 35C, 37C, 39C, 42C, 43CR, 43D, 44B, 44C, 45B, 45C, 46B, 46C, 47C, 48C, 49C, 50C, 51B, 51C, 52B, 52C, 53B, 53C; **BGX** 1C, 2B, 2D, 3D, 4C, 4D, 5D, 6D, 7D, 8DR, 12C; **BSE** 1C113, 1C132, 1C144, 1C159, 2C108, 2C127, 2C139, 2C154, 3C115, 3C134, 3C146, 3C164; **HMD** 1D, 2D, 3D, 4D; **HSB** 85B, 142C, 151C

- 34 Gordon Aquifer wells (Figure 6, Appendix A):

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

Note: the six BSE wells are named according to the following formula: **BSE NN C, D, NNN** where **NN** represents the well number, 1, 2, or 3; **C, D** represents the aquifer, LAZ-UTRA or UAZ-UTRA respectively; and **NNN** represents the depth from land surface of the four screen zones for each well. For example, BSE 1D059 is well BSE 1D, screened in the UAZ-UTRA at the 59 ft deep level. The designated background wells for UAZ-UTRA are wells BGO 1D and 2D and HSB 85C; well HSB 85B is the background well for LAZ-UTRA; and well HSB 85A is the background well for Gordon Aquifer.

The BSE well series were installed as an outcome of the 1995-1996 cone penetrometer groundwater investigation with each well screen depth equivalent to the previous cone penetrometer depth-discrete

sampling interval. Each BSE well has four multi-level screens that monitor the groundwater in the SEP. Each sampling zone was installed in a previous sampling elevation so as to compare data from the wells to that of the 1996 groundwater investigation.

Well Installations and Well Maintenance

Well Installations

In 1998, an IMP was submitted to SCDHEC that outlined SRS's approach towards proactively managing tritiated contaminated groundwater that is discharging to surface and entering Fourmile Branch. To assist in monitoring the migration of the contaminated groundwater and to provide data on the effectiveness of the Interim Measures, 16 multi-level wells (BSW well series) have been installed at eight-two well clusters (Figure 7, Appendix A). Each well cluster contains an UAZ- and LAZ-UTRA monitoring well. The 16 multi-level wells have a total of 53 independent well screens to monitor groundwater contamination. These 53 well screens were determined based on the previous 1994-1995 cone penetrometer groundwater investigation. Data collected from these 53 well screens will be compared to the 1994-1995 groundwater investigation data to ascertain overall groundwater contaminant movement and concentrations over the last 5 years.

The wells are constructed utilizing the Solinst Waterloo System, which is similar to the BSE multi-level well series at the SEP. However, these wells are installed differently than those at the SEP. For instance, the 16 multi-level wells at the SWP involve the installation of the Solinst Waterloo System directly within the borehole versus the installation within a four-inch multi-screened well. This process eliminates the installation of an outer four-inch well and reduces costs and schedule while providing the same level of quality data.

At the time of this report, all 16 wells have been installed and are currently being developed. As soon as development is complete the new wells will be sampled.

Well Maintenance

Table 1 lists those wells where sampling problems were encountered due to various reasons. Many of the wells were identified as pumping dry during sampling thus resulting in samples being collected within 24 hours after purging. Many of these wells on the list were installed over 10 years ago.

During second quarter 1999, 21 POC wells pumped dry prior to sampling. Of the 21 POC wells, 14 were UAZ-UTRA wells, six were LAZ-UTRA wells, and one was a Gordon Aquifer well. During fourth quarter 1999, 28 POC and 35 assessment wells pumped dry prior to sampling. Of the 27 POC and 35 assessment wells, 37 were UAZ-UTRA wells, 16 were LAZ-UTRA wells, and 10 were Gordon Aquifer wells. Also during fourth quarter 1999, nine of the 24 BSE multi-level well screens yielded insufficient water for sampling; therefore no samples were collected. Eight of the nine multi-level screens were in the UAZ-UTRA. Well BGO 33C was not sampled during 1999 as this well was being utilized in evaluating the Purge Water Management System (PWMS). Routine sampling would have interfered with the evaluation. Only one well (BGO 53D) was dry prior to sampling.

Table 1: Sampling Summary Table

<u>Sampling Problems</u>	<u>Wells</u>	
	<i>2Q99</i>	<i>4Q99</i>
Pumped Dry Prior to Sampling	BGO 1D, 3C, 4D, 5C, 5D, 6D, 8AR, 10C, 10DR, 13DR, 14CR, 14DR, 32D, 33D, 34D, 35D, 36D, 37D, 38D, 39D; HSB 85B	BGO 1D, 2D, 4D, 5C, 5D, 9AA, 9D, 10C, 10DR, 13DR, 16AR, 16B, 16D, 20D, 21D, 24D, 25A, 26A, 26D, 27D, 28D, 29A, 29C, 29D, 30C, 31C, 31D, 32D, 33D, 34D, 35D, 36D, 37D, 38D, 39D, 40D, 41A, 43A, 43CR, 44D, 44C, 46D, 49A, 49D, 50A, 50C, 50D, 51D; BGX 1A, 1D, 2B, 2D, 10D, 11D, 12D; FSS 1D, 2D, 3D, 4D; HMD 1D, 4D; HSB 85B, 142D
Dry		BGO 53D
Insufficient Water		BSE 1D059, 1D071, 1D081, 2D055, 2D067, 2D077, 3C115, 3D065, 3D072
Other		BGO 33C

Groundwater Velocity and Direction (III.E.H.11.b.v)

The topography at the BGC is rather flat, however, to the north and to the south, the topography slopes towards Upper Three Runs Creek and Fourmile Branch, respectively. Flow directions for both the UAZ- and LAZ-UTRA are similar and mimic the topography within the GSA. Upper Three Runs Creek incises the UAZ-UTRA, LAZ-UTRA, and Gordon Aquifer, creating a discharge for all three units. Groundwater conditions change in this area the closer groundwater flows toward this stream. As indicated on Maps 1 and 2 in Appendix I, the UAZ-UTRA has a northern limit of saturation. North of this limit, the UAZ-UTRA dips below the "tan clay" confining zone and the LAZ-UTRA becomes unconfined (Maps 3 and 4, Appendix I). To the South of the BGC, Fourmile Branch incises UAZ- and LAZ-UTRA but not the Gordon Aquifer, creating a discharge for the upper two units only.

Generally, groundwater flow diverges in the UAZ-UTRA and LAZ-UTRA at the BGC, with flows toward Fourmile Branch to the southwest and Upper Three Runs Creek to the north (using SRS coordinate system). Groundwater in Gordon Aquifer flows to the northwest toward Upper Three Runs Creek.

Also prominent at the BGC is a groundwater divide that is evident along the ORWBG and LLRWDF boundaries that has an east-west trend. This feature provides for diverging flow paths whereby contaminants entering the groundwater can take a varying flow path to a potential discharge point. The groundwater divide fluctuates during seasonal variations and the horizontal flow along the groundwater divide is the slowest at the BGC as represented by the widely spaced potentiometric contours. Also prominent is a strong vertical gradient from the UAZ-UTRA into the LAZ-UTRA. The flow paths depicted on the Maps 1 through 4 in Appendix I show the varying flow directions as a result of the groundwater divide.

Potentiometric maps for the three aquifers beneath the BGC were developed for both second and fourth quarter (Maps 1 through 6, Appendix I). These maps are plotted at 1-inch = 500 feet for clarity. The

scale of the maps is produced at a larger scale for clarity than as stated in the Permit due to the coverage area depicted.

Flow directions for each aquifer during both quarters were shown to originate in the same vicinity to provide a comparison on the variations over the year for direction and estimated flow rates.

Horizontal flow rate calculations provide estimates on the transport rate of constituents originating from the BGC. Flow rates in UAZ-UTRA and LAZ-UTRA are calculated along three (designated flow paths A, B, and C) and two (designated flow paths A and B) flow paths to characterize the divergent groundwater flows toward Upper Three Runs Creek and Fourmile Branch, respectively. Choice of flow paths can influence the calculated rate of groundwater flow, especially when compared with flow rates in other areas. Flow rates are highly variable. Flow paths were selected for the BGC calculations to best illustrate the divergent nature of the groundwater flow through the areas of greatest interest in the upper two aquifers. The flow rate for Gordon Aquifer (Maps 5 and 6, Appendix I) is calculated along a single flow path because flow directions within this unit are generally more uniform than in the overlying units. Flow rates are estimated using the following equation:

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

Hydraulic conductivity constants of 32 ft/day, 2.13 ft/day, and 38 ft/day are used for the UAZ-UTRA, LAZ-UTRA, and Gordon Aquifer, respectively. The hydraulic conductivity values used were derived from the recent aquifer tests conducted at the SWP, NWP, and NEP areas around the BGC. The hydraulic conductivity values for the UAZ-UTRA are an order of magnitude higher than previously used values (3.03 ft/day) which were derived from slug tests. The hydraulic conductivity value used for the LAZ-UTRA is similar to previously used values (1.5 ft/day). An effective porosity value of 20 percent is used for the two upper units and an effective porosity value of 25 percent is used for Gordon Aquifer. The value dh is the difference in head, and dl is the length of the flow path.

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

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

Unit	<u>1Q99</u>	<u>2Q99</u>	<u>3Q99</u>	<u>4Q99</u>
UAZ-UTRA	—	175 - 531	—	251 - 520
LAZ-UTRA	—	24 - 28	—	22 - 24
Gordon Aquifer	—	159	—	150

Using SRS coordinates, the second and fourth quarter 1999 flow directions in the UAZ-UTRA were to the northeast (flow path A), northwest (flow path B), and southwest (flow path C). Flow directions in the LAZ-UTRA were to the northeast (flow path A) and southwest (flow path B). Flow direction in the Gordon Aquifer was to the northwest. Water elevation data on the LAZ-UTRA and Gordon Aquifer potentiometric maps includes some wells screened in the lower portion of the aquifer and are not included in the contouring.

Water Levels (III.E.H.11.b.ix)

Hydrographs for selected wells and well clusters at the BGC are provided in Appendix F. Average water elevations for all the wells in each of the three hydrostratigraphic units beneath the BGC for the two 1999 sampling quarters are shown in Table 3. Synchronous water elevation data for the groundwater monitoring network at the BGC are presented on Table D-1 in Appendix D.

During fourth quarter 1999, the water level in the UAZ-UTRA declined an average of 1.28 ft compared to second quarter 1999, the water level in the LAZ-UTRA declined an average of 1.75 ft, and the water level in Gordon Aquifer declined an average of 0.61 ft.

A consistent vertical head relationship exists among the hydrostratigraphic units monitored at the MWMF. Flow potential is downward from UAZ-UTRA to LAZ-UTRA and downward from LAZ-UTRA to Gordon Aquifer. This relationship, which was first noted in 1988, exists at all BGO well clusters.

Table 3. Average Water Elevations (ft msl) in the Hydrostratigraphic Units beneath the MWMF

Unit	<u>1Q99</u>	<u>2Q99</u>	<u>3Q99</u>	<u>4Q99</u>
UAZ-UTRA	—	230.18	—	228.90
LAZ-UTRA	—	223.34	—	221.59
Gordon Aquifer	—	160.72	—	160.11

Overall, there are no significant changes in water elevation at the BGC other than typical seasonal variations. However, water elevations at the BSE well series, in the SEP, are near the groundwater treatment unit at the H Area Seepage Basins, monitor water elevations as a result of the injection well network associated with the groundwater corrective action at this facility. These multi-level wells have 12 sampling zones that are used to collect water elevation. The BSE well series are comprised of three-two well clusters with each cluster containing a multi-level well installed in the UAZ- and LAZ-UTRA. Water elevations for all the BSE wells are collected from the upper and bottom sampling zones of each well.

Figures 8, 9, and 10 in Appendix A depict the BSE well series hydrographs in more detail. These hydrographs depict water elevations prior to October 1997; before which the groundwater treatment unit at the H-Area Seepage Basins began testing. All 12 sampling zones indicate a dramatic increase in water elevations as a result of the injection of treated groundwater near these wells starting in December 1997. Minor changes in the water elevations after December 1997 can be attributed to fluctuations in injection flow rates, routine operations at the groundwater treatment unit, and seasonal fluctuations associated with recharge and barometric pressure.

The hydrographs indicate that injection of treated groundwater has an effect on the local hydrology of the area. Review of previous versus current potentiometric maps indicates a mound in the area causing changes in groundwater flow direction from the BGC. Currently, groundwater flow in the area is currently toward the west as a result of the injection field whereas groundwater flow direction was previously towards the south.

Groundwater Data Evaluation (III.E.H.11.b.vii, viii, and xii)

During most of 1999, the MWMF was operated under Interim Status; therefore the sampling program does not follow what is currently outlined in the Permit. However, changes were made to the network based on well assignments, sampling frequency, and analytes late in 1999 to comply with the Permit. The 2000 sampling events will comply with the Permit requirements.

The groundwater monitoring wells at the BGC were sampled during second and fourth quarters of 1999. During second quarter, only the POC and background wells were sampled and during fourth quarter all groundwater monitoring wells were sampled. The analyte list that was used during sampling of the BGC wells in 1999 is shown on Table 4

Table 4. Second and Fourth Quarter 1999 Analyte List

Sampling Event	Analytes
2Q and 4Q99 (POC, Assessment, and Background Wells)	Alkalinity, Boron, Carbon-14, Copper, GCMS VOA, Gross Alpha, Lithium, Nickel, Nonvolatile Beta, Phenols, Radium-226, Radium-228, RCRA Metals, Antimony, Tin, Sulfate, Strontium-90, Total Organic Carbon, Total Organic Halogens, Total Dissolved Solids, Tritium, Zinc
4Q99 (20% of POC wells)	Appendix IX, Alpha Spec Americium, Alpha Spec Curium, Alpha Spec Neptunium, Alpha Spec Plutonium, Alpha Spec Thorium, Alpha Spec Uranium, Gamma PHA, Iodine-129, Technicium-99, Nickel-63, Lead-212

Groundwater monitoring wells other than the **BGO**, **BGX**, **HMD**, and **BSE** well series and the **HSB** 85 cluster were added to the overall BGC groundwater monitoring program. These wells are **HSB** 142C, 142D, 151C, 151D and **FSS** 1D, 2D, 3D, and 4D. The **HSB** wells are routinely monitored in compliance with the H Area Seepage Basins RCRA Permit. The **FSS** wells are sampled as part of the EMS monitoring program or other program data needs. Data from four previous sampling events for these eight wells are presented on Tables D-4B and D-4C, Appendix D. However, the data presented does not contain all the constituents as identified for monitoring at the BGC wells and in some cases will not be sampled during the same quarters as the BGC well network. These wells were added to the BGC groundwater monitoring network because of the proximity of the wells to the BGC and the potential to monitor the more mobile contaminants (i.e., tritium and TCE).

During the fourth quarter sampling event, some of the BSE multi-level sampling zones were unable to be sampled before the end of December 1999 due to various reasons. However, these wells were sampled by the end of the first week in January 2000 and the data from all the multi-level sampling zones are present on Table D-4, Appendix D.

There are four distinct plumes emanating from the BGC (Figure 2, Appendix A). They are the SWP, NWP, NEP, and SEP. These plumes originate from multiple sources within the BGC and their orientation is influenced by varying groundwater flow paths, oscillation of the groundwater divide with respect to seasonal fluctuations, and contaminant movement through the subsurface. Each of these plume areas is being addressed separately under the current RCRA Permit. The source of groundwater contamination in the SWP and SEP is primarily from ORWBG, while groundwater contamination in the NEP is primarily from the MMWF/LLRWDF. However, groundwater contamination in the NWP is from the ORWBG and MWMF/LLRWDF units.

Quality assurance (QA) samples were collected from wells at the BGC during second and fourth quarters. During second quarter, groundwater monitoring wells BGO 14AR, 15D, 20B, 39C, and 52C were selected for QA analyses while during fourth quarter, groundwater monitoring wells BGO 6A, 8C, 10AR, 16AR, 18A, 20AA, 35C, 37C, and 47A were selected. The data from these QA sampling events are presented in Table D-5A, Appendix D. Laboratory duplicates are presented on Table D-5B, Appendix D. The laboratory duplicates were performed as part of the laboratory's routine QA/QC procedures.

Results for analytes that exceeded the PDWS in downgradient groundwater monitoring wells during the second and fourth quarters are summarized in Table D-6, Appendix D. Overall, 1,1-dichloroethylene, carbon-14, chromium, gross alpha, lead, lithium, radium-226, tetrachloroethylene, trichloroethylene, tritium, and vinyl chloride exceeded the final or interim (radionuclides only) PDWS in one or more groundwater monitoring wells. There are no constituents that exceeded the PDWS in the background wells.

During fourth quarter, 20% of the POC wells were selected for an expanded analyte list as shown on Table 4. The groundwater monitoring wells selected were **BGO** 1D, 6C, 7D, 12DR, 14AR, 26A, 28D, 31C, 34D, 37C, 39D, and **HSB** 85A. Since the majority of the results are either below detection or "R", "J", or "L" qualified, a summary table of the results above detection is depicted on Table D-7, Appendix D. Overall, eight VOC constituents were determined to have exceeded the PDWS or Practical Quantitation Limit (PQL) if the constituent did not have a PDWS. All eight VOC constituents are analyzed as part of the routine monitored constituents as noted in Appendix III-E-A, sections II and III of the RCRA Permit. No specific radionuclides exceeded detection limits.

To depict the overall extent of groundwater contamination, isoconcentration maps of tritium and TCE for each aquifer are depicted on Maps 7, 8, 9, 10, 11, and 12, Appendix I. These maps are plotted at 1-inch = 400 feet for clarity. These maps are larger in scale for clarity than as stated in the Permit due the coverage area depicted. Also, the plume maps were developed utilizing fourth quarter data because there are data limitations associated with the second quarter data. However, second quarter data is depicted at each well along with fourth quarter data for comparison, where applicable.

Tritium activities in the UAZ-UTRA are depicted on Map 7, Appendix I. The plume area with the highest tritium activities is shown to be in the SWP, which extends to Fourmile Branch. However, the highest tritium activities in a single groundwater monitoring wells are exhibited in the area between the NWP and NEP at BGO 11DR. Lower tritium activities are exhibited at the NWP, NEP, and SEP. As for the LAZ-UTRA, tritium isoconcentrations are depicted on Map 8, Appendix I. The NEP is the largest areal extent of tritium activities above the PDWS while the SEP exhibits the largest tritium activities at well BGO 37C. The SWP also exhibits a large tritium plume emanating from the ORWBG. In the Gordon Aquifer, there are three areas that exhibit elevated levels of tritium above the PDWS, which is consistent with previous

trends. These areas are around specific monitoring wells as depicted on Map 9, Appendix I. Only BGO 3A is a POC well while the others are assessment wells. The tritium activities in this well have been consistently above the PDWS since the well was installed in 1994.

TCE concentrations in the UAZ-UTRA are depicted on Map 10, Appendix I. The highest levels of TCE in the UAZ-UTRA are exhibited in the SWP while there are also elevated levels of TCE at the NWP, NEP, and at well BGO 3DR. There are no TCE values that exceed the PDWS at the SEP in the UAZ-UTRA. TCE concentrations for the LAZ-UTRA depict elevated levels of TCE at the SEP, SWP, and NWP plumes (Map 11, Appendix I). The SEP exhibits the highest levels of TCE concentrations in the LAZ-UTRA. Elevated levels of TCE are also exhibited in the SWP and NWP. TCE concentrations in the Gordon Aquifer are only exhibited in BGO 26A slightly above the PDWS (Map 12, Appendix I).

Three regional cross sections across the BGC are used to depict tritium activities and TCE concentrations in cross section (Figure 11, Appendix A). These cross sections are C-C', D-D', and E-E'. Cross section C-C' has an east-west orientation and cross sections D-D' and E-E' have a north-south orientation. Cross section C-C' is south of and parallels the ORWBG. Cross sections D-D' and E-E' are west and east of the BGC, respectively. These cross sections are also included in the revision 0 MWMF RCRA Part B Post Closure Permit Application. Both second and fourth quarter 1999 data are presented on the cross sections. As with the planar plume maps, only the fourth quarter data are contoured because these data represent the most detail concerning the extent and concentrations of contaminants in the groundwater.

Tritium activities are depicted on cross sections C-C', D-D', and E-E' (13, 15, and 17, Appendix J). Cross section C-C' (Map 13, Appendix J) depicts tritium activities from the SWP to the SEP. Generally, this cross section is perpendicular to groundwater flow. Tritium activities in the SWP are exhibited throughout the UAZ- and upper portions of the LAZ-UTRA, while at the SEP, tritium activities are concentrated in the LAZ-UTRA at well BGO 37C. Cross section D-D' (Map 15, Appendix J) depicts tritium activities from the SWP and outer edges of the NEP. At the SWP, the cross section is parallel to groundwater flow while towards the north the cross section is perpendicular to flow. The NWP is not depicted on the cross section since the cross section does not intersect the estimated extent of the tritium plume. Well cluster BGO 50 is the intersection for cross sections C-C' and D-D'. As with SWP on cross section C-C', tritium activities are exhibited in the UAZ- and upper portions of the LAZ-UTRA. At the NEP, a small portion of the tritium plume is shown on the cross section. Cross section E-E' (Map 17, Appendix J) depicts tritium activities from the SEP to the NEP. Well cluster BGO 37 is the intersection for cross sections C-C' and E-E'. The presence of tritium in the UAZ- and LAZ-UTRA at the SEP can be attributed to the long-term migration of tritium from the ORWBG and the continual injection of tritium from the groundwater treatment unit at the H Area Seepage Basins. As shown on the cross sections, most of the tritium activities are exhibited in the UAZ- and LAZ-UTRA. However, there are tritium activities in exceedance of the PDWS in the Gordon Aquifer.

TCE concentrations are also depicted on cross sections C-C', D-D', and E-E' (Maps 14, 16 and 18, Appendix J). In most cases, TCE is shown to be consistent with the presence of tritium on the same cross sections. TCE is primarily exhibited in the UAZ- and LAZ-UTRA.

The potential for contaminants to enter into deep aquifers from overlying contaminated aquifers can be caused by many complex factors such as facies changes within the subsurface, thinning or absence of regional confining beds, horizontal and vertical migration of groundwater, and/or offsets of confining zones.

Tritium Activities

The highest tritium activities in the UAZ- and LAZ-UTRA during fourth quarter were exhibited in wells BGO 11DR (114,000 pCi/mL) (NWP) and BGO 37C (98,600 pCi/mL) (SEP), respectively. These wells have consistently exhibited elevated tritium levels. Tritium activities have been increasing in BGO 11DR since 1990 but only recently have tritium activities begun to increase drastically. From late in 1992 to 1996, tritium activities have been in the low 1,000 pCi/mL range until late in 1996 when tritium activities increased an order of magnitude to over 100,000 pCi/mL. Well clusters BGO 10 and 12, which are to the east and west of BGO 11DR, respectively, do not exhibit an increase of tritium and exhibit tritium activities below the PDWS. Therefore, there is a narrow band of elevated tritium emanating from the northern side of the MWMF/LLRWDF at BGO 11DR. This is depicted on Map 7, Appendix I. Additionally, there are no UAZ-UTRA groundwater monitoring wells immediately downgradient of BGO 11DR to provide additional information on the activity levels extending distally from the BGC.

Groundwater monitoring well BGO 37C has historically exhibited elevated levels of tritium above the PDWS (Appendix G). This well exhibited elevated levels of tritium consistently over 10,000 pCi/mL and then increased to over 100,000 pCi/mL. The nearest downgradient LAZ-UTRA well, BGO 35C, does not exhibit an increase in tritium activities. Therefore, the SEP tritium activities are centered on a narrow area, as shown on Map 8, Appendix I. Elevated levels of tritium activities above the PDWS were exhibited in Gordon Aquifer well BGO 3A (129 pCi/mL).

Tritium activities from the 1996 groundwater investigation at the SEP were reviewed in comparison to tritium activities measured in the BSE wells series. Overall, tritium activities have been increasing as evident in the UAZ-UTRA. This can be attributed to the injection of treated tritiated contaminated groundwater from the H-Area groundwater treatment unit and the migration of tritium from the ORWBG. Prior to startup of the H-Area groundwater treatment unit, tritium activities in the SEP were determined not to be widespread and primarily concentrated in the LAZ-UTRA. The furthest 1996 groundwater sampling location (BGT-59) did not exhibit tritium activities above 50 pCi/mL in any of the samples collected. Multi-level groundwater monitoring well BSE 03 was installed just south of this previous groundwater sampling location to monitor the migration of groundwater contaminants. Fourth quarter 1999 data show tritium activities in this well cluster have increased since the startup of the H-Area groundwater treatment unit. Therefore, the presence in tritium activities in this well cluster is most likely attributed to the H-Area groundwater treatment unit. At the BSE 01 well cluster, tritium activities have increased an order of magnitude since the 1998 sampling event. The BSE 01 well cluster is approximately 300 feet south of the BGO 37 well cluster that exhibits tritium activities greater than 100,000 pCi/mL in the LAZ-UTRA. However, in the UAZ-UTRA, tritium activities in well BGO 37D are near the PDWS while downgradient, the BSE wells series exhibit elevated tritium activities above the PDWS. The presence of tritium in these wells is primarily from the groundwater treatment unit at the H-Area Seepage Basins. There are insufficient data to make a determination on tritium activities at the BSE 02 well cluster.

Additionally, as discussed in the groundwater flow direction section, the movement of groundwater contaminants in the SEP from the ORWBG to the South has changed due to the presence of the mound in the groundwater from the injection well field. This mound will dissect the movement of the SEP groundwater contaminants towards the west until the effects of the mound are no longer present.

Table 5 summarizes an overall trend in tritium activities for the BGC wells except for those groundwater monitoring wells which historically depict no changes (stagnant activities) and are below the PDWS. A note is provided for those wells that have exhibited recent changes in activities from the overall trend.

Table 5. Summary of Tritium Trends at the BGC Well Network

<u>Well</u>	<u>Trend</u>	<u>Well</u>	<u>Trend</u>
BGO 3A	↓	BGO 33C	↑
BGO 3DR ⁽¹⁾	↓	BGO 35C	↑
BGO 5C	↑	BGO 37C	↑
BGO 5D ⁽²⁾	↑	BGO 44D	↓
BGO 8C	↑	BGO 44B	↓
BGO 8D ⁽³⁾	↓	BGO 45D	↓
BGO 9D ⁽⁴⁾	↓	BGO 46C	↑
BGO 10DR	↓	BGO 50C	↑
BGO 11DR	↑	BGO 53C	↑
BGO 14CR	↑	BGX 1A	↓
BGO 14DR	↑	BGX 1C	↑
BGO 15D	↓	BGX 1D	↓
BGO 28D	↓	BGX 3D	↓
BGO 29C	↑	BGX 6D	↑
BGO 30C	↑	BGX 7D	↓
BGO 30D	↓	BGX 8DR ⁽⁶⁾	↑
BGO 31C	↑	HSB 151C	↓
BGO 31D	↓	HSB 151D	↓
BGO 32D ⁽⁵⁾	↓		
<p>(1) Up to 1996, tritium activities have been increasing. Since 1998, tritium levels have been decreasing.</p> <p>(2) Historically below PDWS until 4Q95 when tritium activities increased to over 1,000 pCi/mL and have fluctuated to up to 10,000 pCi/mL</p> <p>(3) Historically below PDWS until 3Q94 when tritium activities increased to over 200 pCi/mL and are consistently maintaining these levels.</p> <p>(4) Historically below PDWS until 3Q92 when tritium activities increased to over 500 pCi/mL but are decreasing.</p> <p>(5) Overall trend of decreasing tritium activities, but last four sampling events have shown an increasing trend.</p> <p>(6) Historically exhibited activities around 1,000 pCi/mL until 2Q96 with an increase to 5,000 pCi/mL over the next 4 years. 4Q98 and 4Q99 results show tritium to be decreasing.</p>			

Thirty-seven of the 158 wells at the BGC are presented to have exhibited changes in tritium activities. Of these 37 wells listed on Table 5, 16 are UAZ-UTRA wells, 19 are LAZ-UTRA wells, and two are Gordon Aquifer wells. Of the 16 UAZ-UTRA wells, 12 are POC and the remaining four are assessment wells. Of the 19 LAZ-UTRA wells, eight are POC and 11 are assessment wells. In the Gordon Aquifer, one well is a POC and other is an assessment well.

Overall, tritium activities in the UAZ-UTRA have been decreasing except in three POC wells (BGO 5D, 11DR, and 14DR) located along the MWMF boundary. Conversely, tritium activities in the LAZ-UTRA have been increasing in the POC and assessment wells around the BGC. Tritium activities in the two Gordon Aquifer wells have been decreasing over time.

The reduction of tritium activities in the UAZ-UTRA can be attributed to the presence of the RCRA caps over the MWMF and LLRWDF and the low permeability native soil cover over the ORWBG which have mitigated the infiltration of rainfall into the buried wastes. Additionally, these covers have influenced groundwater flow rates beneath the BGC. However, in the LAZ-UTRA tritium activities have been increasing which is most likely due to overlying tritium activities in the UAZ-UTRA migrating vertically into the LAZ-UTRA beneath the BGC.

Trichloroethylene Concentrations

The highest TCE concentrations in the UAZ- and LAZ UTRA during fourth quarter 1999 are exhibited in BGO 6D (177 µg/L) (NEP) and 37C (482 µg/L) (SEP), respectively. BGO 6D has consistently exhibited elevated levels of TCE and the trend shows the concentrations have been increasing over time. Well BGO 5D to the east does not exhibit TCE concentrations above the PDWS. In contrast, well BGO 7D to the west shows elevated concentrations of TCE above the PDWS.

Well BGO 37C has consistently exhibited the highest TCE concentrations in the LAZ-UTRA. Previously, the TCE concentrations in this well exceeded 1 mg/L during fourth quarter 1997. Overall the TCE concentrations have been decreasing. As previously discussed this well also exhibits the highest levels of tritium within this aquifer zone.

Downgradient of this well, TCE concentrations are exhibited above the PDWS in the BSE 1 (maximum 13.3 µg/L) and 2 (maximum 8.98 µg/L) well clusters. TCE concentrations in the BSE 3 well cluster are below detection. All four of the BSE 1C well screens exhibit TCE concentrations above the PDWS, however, three of the four well screens at well BSE 2C are below detection. Because the groundwater treatment unit at the H Area Seepage Basins does not inject VOCs, TCE concentrations are an excellent indicator of what is occurring hydrologically in the area versus tritium since tritium is being injected and is present in the BGC SEP. The TCE data show that the mound does have an effect on contaminant flow paths because of the low concentrations of TCE in the BSE well series downgradient of well BGC 37C. Table 6 summarizes an overall trend in TCE concentrations for the BGC wells except for those groundwater monitoring wells which historically depict no changes (stagnant activities) and are below the PDWS. A note is provided for those wells that have exhibited recent changes in concentrations from the overall trend.

Table 6. Summary of TCE Trends at the BGC Well Network

<u>Well</u>	<u>Trend</u>	<u>Well</u>	<u>Trend</u>
BGO 3DR ⁽¹⁾	↑	BGO 32D ⁽³⁾	↑
BGO 6D	↑	BGO 37C	↓
BGO 7D ⁽²⁾	↑	BGO 42C	↑
BGO 12CX	↑	BGO 47D	↓
BGO 26A	↓	BGO 48C	↑
BGO 26D	↓	BGX 2D	↑
<p>(1) The original BGO 3D well exhibited decreasing TCE concentrations to below the PDWS and then in 4Q97 the TCE concentrations increased to over 100 µg/L. Since then the TCE concentrations have decreased over the last four sampling events.</p> <p>(2) Historically, TCE concentrations have been above 100 µg/L. In 3Q94, TCE concentrations were on the decline and then in 2Q98 the concentrations have been increasing.</p> <p>(3) Historically, TCE concentrations have decreased to below the PDWS but the last two sampling events have shown an increase.</p>			

Planned Permit Activity Submittals (III.E.H.11.b.xii)

Year 2000 Permit activities include the submittal of the SEP and NWP Groundwater Protection Standard (GWPS) lists for the MWMF in October and December 2000, respectively. These submittals are identified in the revision 0 MWMF Permit issued October 1999 and in the revision 0 2000 MWMF RCRA Part B Post Closure Permit Application submitted in March 2000.

Southwest Plume Area

The SWP is the area to the south of the western section of the ORWBG. This plume area extends from the ORWBG to Fourmile Branch with the primary contaminants consisting of tritium and TCE. Both of these groundwater contaminants are currently discharging in a natural seepage area north of Fourmile Branch; commonly referred to as the Old F-Area Effluent Ditch (OFED).

Prior to the late 1970's, runoff and process discharges from F Area and the ORWBG were routed down a natural ravine. Over the course of 30 years, the runoff eroded and increased the depth of the natural ravine. Eventually, contaminated groundwater was intercepted. Early surface water sampling of the newly exposed groundwater discharges indicated the presence of tritium. At the time there were no known viable processes to remediate or remove the tritium from the groundwater; as is true today. The natural ravine was backfilled and an engineered ditch was constructed to allow F Area process and runoff water to flow to Fourmile Branch without further impacting the area. The purpose of backfilling was to increase the travel time of tritium in the groundwater whereby tritium would decay naturally to lesser activities before discharging at Fourmile Branch. In the early 1990s, sampling was conducted on seeps

south of the original seeps. This sampling event indicated the presence of tritium and TCE above the PDWS. These seeps have been sampled since 1994 with new locations recently added to the program.

The SWP is the first of the four plume areas to be addressed for corrective action under the current RCRA Permit for the MWMF. In agreements with SCDHEC, each of the four plume areas will be addressed under separate corrective actions as outlined in the Permit.

In March 2000, a revision 0 to the MWMF RCRA Part B Post Closure Permit Application was submitted to SCDHEC with a corrective action plan for the SWP and a proposed corrective action schedule for the remaining plume areas. Also included in the Permit Application, are the results from the groundwater investigation for the other plume areas.

Tritium and TCE are two of the 7 constituents that are to be remediated. The others are lead, carbon tetrachloride, 1,1-dichloroethylene, tetrachloroethylene, and gross alpha all of which are listed on Appendix IIIE-A, section I of the Permit.

In 1999 an IMP was submitted to SCDHEC, while the MWMF was operated under Interim Status, which outlined an innovative approach to managing tritiated contaminated surface water from entering Fourmile Branch. This approach involves the construction of a sheet pile dam to contain surface discharge of tritium contaminated groundwater and to pump this water to an irrigation system which would apply the water to naturally forested areas that are composed of pines and hardwoods within the SWP. This approach to managing the tritium has a two-fold purpose. The first is to reduce the discharge of tritium contaminated surface water to Fourmile. This will be accomplished with the installation of a sheet pile dam. The second is to utilize the evapotranspiration mechanism of the existing population of trees to transpire tritium into the air; commonly referred to as phytoremediation. Calculations have been performed to determine the potential impact to the environment and the public. Overall, there is a negligible increase in tritium activities in the air and there is little risk to the exposure of tritium in the air. This is partly due to the diluted tritiated surface water being applied to approximately 25 acres.

Another aspect of the IMP is to design, construct, and install an In-situ VOC remediation system within the "hot spots" of the TCE plume. The purpose of this remediation system is to remediate the "hot spot" thereby reducing overall TCE concentrations in the groundwater. Eventually, this effort would reduce TCE concentrations at the seeps.

The SWP groundwater is monitored by 36 of the 158 BGC groundwater monitoring wells (Table 7 and Figure 12, Appendix A). There are 18 wells in the UAZ-UTRA, 14 wells in the LAZ-UTRA, and 4 in the Gordon Aquifer. These groundwater monitoring wells will be used to evaluate the effectiveness of corrective action in the SWP. As described earlier, there are 16 multi-level wells that have been installed and are currently being developed. Eight of the wells are each installed in the UAZ- and LAZ-UTRA. These groundwater monitoring wells will provide valuable information on the contaminants concentrations and movement in the groundwater at depth-discrete intervals.

Table 7. SWP Corrective Action Groundwater Monitoring Network

Monitoring Location (Wells)	Aquifer	Well Assignment
BGO 27D	UAZ-UTRA	POC
BGO 28D	UAZ-UTRA	POC
BGO 29D	UAZ-UTRA	ASSESSMENT
BGO 30D	UAZ-UTRA	POC
BGO 31D	UAZ-UTRA	POC
BGO 32D	UAZ-UTRA	POC
BGO 33D	UAZ-UTRA	POC
BGO 45D	UAZ-UTRA	ASSESSMENT
BGO 46D	UAZ-UTRA	ASSESSMENT
BGO 47D	UAZ-UTRA	ASSESSMENT
BGO 48D	UAZ-UTRA	ASSESSMENT
BGO 50D	UAZ-UTRA	ASSESSMENT
HSB 142D	UAZ-UTRA	ASSESSMENT
HSB 151D	UAZ-UTRA	ASSESSMENT
FSS 1D	UAZ-UTRA	ASSESSMENT
FSS 2D	UAZ-UTRA	ASSESSMENT
FSS 3D	UAZ-UTRA	ASSESSMENT
FSS 4D	UAZ-UTRA	ASSESSMENT
BGO 27C	LAZ-UTRA	POC
BGO 29C	LAZ-UTRA	ASSESSMENT
BGO 30C	LAZ-UTRA	POC
BGO 31C	LAZ-UTRA	POC
BGO 33C	LAZ-UTRA	POC
BGO 45B	LAZ-UTRA	ASSESSMENT
BGO 45C	LAZ-UTRA	ASSESSMENT
BGO 46B	LAZ-UTRA	ASSESSMENT
BGO 46C	LAZ-UTRA	ASSESSMENT
BGO 47C	LAZ-UTRA	ASSESSMENT
BGO 48C	LAZ-UTRA	ASSESSMENT
BGO 50C	LAZ-UTRA	ASSESSMENT
HSB 142C	LAZ-UTRA	ASSESSMENT
HSB 151C	LAZ-UTRA	ASSESSMENT
BGO 29A	Gordon Aquifer	ASSESSMENT
BGO 45A	Gordon Aquifer	ASSESSMENT
BGO 47A	Gordon Aquifer	ASSESSMENT
BGO 50A	Gordon Aquifer	ASSESSMENT

Groundwater Velocity and Direction (III.E.H.11.b.v)

The SWP is south of the groundwater divide; therefore, contaminants originating from the ORWBG will travel towards Fourmile Branch and the OFED in the UTRA. Using SRS coordinates, groundwater flow direction in the UAZ- and LAZ-UTRA is to the southwest towards Fourmile Branch (Maps 1 through 4, Appendix I). Groundwater flow in the Gordon Aquifer is to the northwest towards Upper Three Runs Creek. (Maps 5 and 6, Appendix I).

Groundwater velocity was calculated using the previously discussed equation, hydraulic conductivities, and porosity for each aquifer. Groundwater flow direction and rate for each aquifer at the SWP are depicted on Maps 1 through 6, Appendix I. Table 8 summarizes the flow rates at the SWP.

Table 8. Estimated Horizontal Groundwater Flow Rates (ft/year) in the Hydrostratigraphic Units beneath the SWP

Unit	<u>1Q99</u>	<u>2Q99</u>	<u>3Q99</u>	<u>4Q99</u>
UAZ-UTRA	–	730	–	701
LAZ-UTRA	–	50	–	40
Gordon Aquifer	–	--	–	--

To demonstrate groundwater flow rates in the SWP, flow rates were calculated along the same regional BGC flow path but originating at the ORWBG boundary rather than upgradient of the BGC. The flow path has been highlighted on Maps 1 through 6, Appendix I. Groundwater flow rates in the UAZ- and LAZ-UTRA at the SWP are higher than calculated over the entire BGC as earlier discussed. This is due to an increase in gradient from the ORWBG towards Fourmile Branch. This increase in gradient is demonstrated by the closely spaced potentiometric contours. Groundwater flow rates were not calculated for the Gordon Aquifer due to insufficient data points in the SWP.

Groundwater in the UAZ-UTRA discharges in the OFED seep area north of Fourmile Branch. The OFED influences the movement of groundwater. The OFED is topographically lower than the surrounding area where it intersects the groundwater in the UAZ-UTRA thereby creating a natural discharge point. This seep area acts like a local interceptor trench where groundwater near the area prefers to discharge at this point due to a lower hydraulic head.

Water Levels (III.E.H.11.b.ix)

Hydrographs for the SWP corrective action monitoring (CAM) wells are provided in Appendix F. Average water elevations for all the wells in each of the three hydrostratigraphic units beneath the BGC for the past four quarters are shown on Table 9.

During fourth quarter 1999, the water level in UAZ-UTRA declined an average of 1.56 ft compared to second quarter 1999, the water level in LAZ-UTRA declined an average of 0.48 ft, and the water level in Gordon Aquifer declined an average of 0.67 ft. The decline in water levels at the SWP is consistent with the overall water level trend at the BGC.

At the SWP, a consistent vertical head relationship exists among the hydrostratigraphic units monitored in this area. There is a prominent downward flow from UAZ-UTRA to LAZ-UTRA and downward from LAZ-UTRA to Gordon Aquifer. This relationship exists at all the wells in the SWP as well as at the BGC.

Table 9. Average Water Elevations (ft msl) in the Hydrostratigraphic Units beneath the SWP

Unit	1Q99	2Q99	3Q99	4Q99
UAZ-UTRA	—	221.45	—	219.89
LAZ-UTRA	—	217.41	—	216.93
Gordon Aquifer	—	160.60	—	159.93

Groundwater Data Evaluation (III.E.H.11.b.vii, viii, and xii)

The extent and magnitude of contaminant concentrations in the SWP was defined in 1994-1995 as an outcome of the BGC Field Investigations. Cone Penetrometer and Hydropunch II™ were utilized in characterizing the groundwater at depth-discrete intervals. It was determined that tritium and TCE were prevalent in high concentrations that extended from the ORWBG to the OFED and Fourmile Branch. Revision 0 MWMF RCRA Part B Post Closure Permit Application contains a summary of the groundwater investigation at the SWP. Since that time, the focus is to begin corrective action to mitigate the discharge of tritium to surface water and to remediate hazardous constituents.

For the purpose of evaluating groundwater contamination at the SWP, a subset of BGC groundwater monitoring network was selected. Groundwater sampling was conducted at 36 CAM wells during second and fourth quarters of 1999. These 36 CAM wells are part of the overall BGC groundwater monitoring network. As with the BGC well network, the POC wells were sampled during second and fourth quarters 1999 while the assessment wells were sampled only during fourth quarter 1999.

Eight of the 36 CAM wells are used to monitor the groundwater pertaining to other waste units. For instance, the **FSS** well series are installed around the F Area Sewage Sludge Application Site and the **HSB** 142 and 151 well clusters are part of the H Area Seepage Basins groundwater network. However, due to the proximity of these wells to the SWP, these wells are also monitored to provide additional information on those contaminants particular to the SWP (i.e., tritium and TCE). These eight wells are sampled and analyzed for the same constituents as listed in Table 4. However, the two **HSB** well clusters were only sampled first quarter of 1999 for an extensive analyte list that pertains to the H Area Seepage Basins Permit and during the other three quarters, only tritium, gross alpha, and nonvolatile beta were analyzed. Most of the analytes that are of concern in the SWP are included as part of the routine sampling conducted at these well clusters. For 2000, the analyte list and sampling frequency as identified in the MWMF RCRA Permit have been added to the **HSB** well clusters.

The data tables for the SWP CAM wells are included in tables D-2 (POC wells), D-3 (background), and D-4a (assessment wells) in Appendix D. However, data tables for the **HSB** 142 and 151 well clusters and the **FSS** well series are included on tables D-4B and D-4C in Appendix D, respectively. The last four consecutive sampling events for these wells are included on the tables for comparison.

Tritium and TCE are the most prevalent groundwater contaminants at the SWP above the PDWS. Other contaminants that were detected above the final and interim (radionuclides only) PDWS at one or more of

the CAM wells at the SWP include carbon-14, chromium, gross alpha, tetrachloroethylene, radium-226, and vinyl chloride. All of these constituents are analyzed for as described in Appendix IIIE-A, sections II and III in the Permit.

Tritium activities above the PDWS at the SWP were exhibited in 13 (72%) of the 18 CAM wells in the UAZ-UTRA, seven (50%) of the 14 CAM wells in the LAZ-UTRA, and one (25%) of the four CAM wells in the Gordon Aquifer. The highest tritium activities exhibited in the UAZ- and LAZ-UTRA and Gordon Aquifer at the SWP were BGO 48D (94,600 pCi/mL), BGO 31C (6,680 pCi/mL), and BGO 45A (21.5 pCi/mL), respectively. TCE concentrations were exhibited above the PDWS at the SWP in six (33%) of the 18 CAM wells in the UAZ-UTRA, five (36%) of the 14 CAM wells in the LAZ-UTRA, and one (25%) of the four CAM wells in the Gordon Aquifer. The highest TCE concentrations in the UAZ- and LAZ-UTRA and Gordon Aquifers at the SWP were BGO 28D (146 µg/L), BGO 46C (31.3 µg/L), and BGO 26A (6.14 µg/L).

Surface Water Data Evaluation (III.E.H.11.b.vii, viii, and xii)

Two separate monitoring programs are being implemented to monitor tritium activities in surface water at the SWP. The first monitoring program involves the collection of surface water samples on Fourmile Branch, the ED, and OFED streams. The second monitoring program involves the collection of surface water from seeps within the OFED and along Fourmile Branch (Figure 13, Appendix A).

Surface water samples collected from the three streams are analyzed for tritium. Seep samples from the OFED and along Fourmile Branch are also analyzed for tritium but also VOCs, RCRA metals, and certain radionuclides.

Tritium activities and TCE concentrations in the groundwater extend from the ORWBG to the OFED seeps and Fourmile Branch. These contaminants are currently discharging in exceedance of the PDWS primarily in the OFED seeps. Tritium and TCE data are posted at stream surface water and seepage locations on Maps 7 and 11, Appendix I, respectively. The tritium data from the stream surface water and seepage locations are not included with the contouring of the groundwater well data. The data are posted for reference to demonstrate the relationship of groundwater contamination to the seeps along the reaches of the ED, the OFED, and Fourmile Branch.

Fourmile Branch, Engineered Ditch and Old F Area Effluent Ditch Stream Surface Water Data

As stated in the Permit, three Fourmile Branch, one ED, and one OFED surface water location are to be sampled and monitored for tritium activities. Table 10 lists the locations that are monitored and Figure 13, Appendix A depicts those locations in the SWP. Surface water sampling locations "A" and "B", as noted in the Permit, have been assigned sampling identifications ED01 and OFD02, respectively. These identifications will be referenced throughout the CAR. Surface water locations ED01 and OFD02 monitor tritium activities from the ED and OFED surface water streams, respectively. Surface water in the ED originates from the discharge of F Area process water and stormwater runoff. Surface water in the OFED is comprised of many braided streams that originate from numerous groundwater seep locations that combine to form a single stream.

Table 10. Surface Water Sampling Locations as stated in Permit

Location ID	Location	Stream
FM 2B	Upstream in Fourmile Branch before the confluence of the ED and OFED surface water streams enter Fourmile Branch	Fourmile Branch
FM 3A	Downstream of the convergence of the ED and OFED surface water streams before entering Fourmile Branch	ED/OFED
FMC001H (2H)	Downstream in Fourmile Branch after the confluence of the ED and OFED surface water streams enter Fourmile Branch	Fourmile Branch
"A" (ED01)	ED surface water location	ED
"B" (OFD02)	OFED surface water location	OFED

In the Permit, reference is made to stream surface water sampling location FMC001H. This location should be FMC002H. Sampling location FMC001H is located at the corner of SRS 4-Road and Fourmile Branch, which is East of the H Area Seepage Basins. Sampling location FMC002H is located on Fourmile Branch downstream of the confluence of the ED and OFED streams entering Fourmile Branch. However, this CAR will present the data from both locations.

Additional stream surface water sampling locations are being or will be used to assist in evaluating tritium activities in Fourmile Branch, the ED, and OFED along with those listed on Table 10. Table 11 lists those locations and Figure 13, Appendix A depicts the relative locations on each of the streams.

Table 11. Additional Surface Water Stream Locations

Location ID	Location	Stream
OFD01	Upstream of OFD02	OFED
FHB012	Upstream of OFD01	OFED
FHB024	Upstream of ED01	ED
FHB026	Upstream of OFD02	OFED
FHB030	Downstream of FM3A	ED/OFED
FM2D	Upstream of FM2B on Fourmile Branch	Fourmile Branch
FMC002HD	Downstream of FMC002H on Fourmile Branch	Fourmile Branch
FM2U	Fourmile Branch background location	Fourmile Branch

Most of the surface water stream locations have been sampled twice a month for tritium since July 1999 except for FHB012, FHB024, FHB026, and FHB030. These four locations are sampled on the same frequency as the OFED seep locations (Table 12). The twice a month sampling is being conducted to develop a baseline for tritium activities prior to implementation of the interim measures and corrective action at the SWP. Locations FM2D, FM2U, and FMC002HD are new locations on Fourmile Branch and sampling will be conducted in 2000. Again, as with the groundwater monitoring network, requirements for sampling frequency and the list of analytes as stated in the Permit is being implemented in 2000.

Tritium time trend plots for these locations are presented in Appendix G. Tritium activities in the ED have been measured consistently above the PDWS with the highest activity measured at 90.90 pCi/mL. Tritium activities in the OFED are monitored at three locations. The highest tritium activity measured in 1999 was at 16,900 pCi/mL at FHB012 during third quarter 1999. The time series plots for the three locations in the OFED are similar in trend to each other except the tritium activities are different. Stream surface water location FM3A monitors surface water after the confluence of the ED and OFED streams merge to form a single stream that enters Fourmile Branch. The highest tritium activity exhibited at this location in 1999 was 1,690 pCi/mL while the average flow rate during 1999 was 1.9 Million gallons per day (Mgd) (2.19 cubic feet per second (cfs)). Three locations on Fourmile Branch were monitored during 1999. The first location, FMC001H, is located at the intersection of SRS 4-Road and Fourmile Branch at the H Area Seepage Basins. The tritium activities at this location are primarily influenced by groundwater seeps from the H Area Seepage Basins and process water discharges from H Area along with other upgradient sources. The maximum tritium activity in 1999 at this location was 34.7 pCi/mL. Tritium activities at this location are consistently around the PDWS. The second location, FM2B, is located just upstream of the confluence of the ED/OFED stream that enters Fourmile Branch. During 1999, the highest tritium activity was 73.5 pCi/mL with an average flow rate of 5.05Mgd (7.82 cfs). The last location, FMC002H, is downstream of the confluence of the ED/OFED stream that enters Fourmile Branch. The maximum tritium activity exhibited at this location was 953 pCi/mL.

Old F Area Effluent Ditch and Fourmile Branch Seepline Data

During 1999, seepline locations within the OFED and along Fourmile Branch were sampled. Sampling locations within the OFED were sampled during second and third quarters. Seepline sampling locations along Fourmile Branch within the SWP were sampled during third quarter. The seepline sampling locations along Fourmile Branch are newly identified seepline sampling locations. These new seepline sampling locations were identified to provide data to determine if tritium is discharging along the Fourmile Branch seepline.

In previous years, only the seepline locations within the OFED were sampled. These locations have been sampled inconsistently since 1994. However, future sampling events have been changed to be similar to that of the BGC groundwater monitoring wells. The new Fourmile Branch seepline locations will also be sampled on the same frequency. There are 12 seepline locations within the OFED and 16 seepline locations along Fourmile Branch (Table 12). In previous years, only nine locations were sampled within the OFED.

Table 12. Seepage Sampling Locations

Location ID	Location	Location ID	Location
FHB003	OFED Seeps	HSP103	Fourmile Branch Seeps
FHB004	OFED Seeps	FSP060	Fourmile Branch Seeps
FHB005	OFED Seeps	FSP061	Fourmile Branch Seeps
FHB008	OFED Seeps	FSP062	Fourmile Branch Seeps
<i>FHB013</i>	OFED Seeps	FSP063	Fourmile Branch Seeps
<i>FHB014</i>	OFED Seeps	FSP064	Fourmile Branch Seeps
<i>FHB016</i>	OFED Seeps	FSP065	Fourmile Branch Seeps
<i>FHB017</i>	OFED Seeps	FSP066	Fourmile Branch Seeps
<i>FHB018</i>	OFED Seeps	FSP067	Fourmile Branch Seeps
<i>FHB019</i>	OFED Seeps	FSP068	Fourmile Branch Seeps
<i>FHB020</i>	OFED Seeps	FSP069	Fourmile Branch Seeps
<i>FHB022</i>	OFED Seeps	FSP070	Fourmile Branch Seeps
HSP071	Fourmile Branch Seeps	FSP071	Fourmile Branch Seeps
HSP097	Fourmile Branch Seeps	FSP072	Fourmile Branch Seeps
Note: Historically sampled locations are italicized and bolded.			

The data collected from these locations during 1999 are presented in Appendix E. Tritium and TCE are consistently exhibited above the PDWS in the OFED seepage locations. Third quarter 1999 data will be evaluated since all locations were sampled. The highest tritium activity in the OFED was exhibited at FHB022 (11,000 pCi/mL). Tritium activities were exhibited above the PDWS in nine (90%) of the 10 OFED locations sampled during third quarter 1999. Two locations were dry and were not sampled. Along the Fourmile seeps, five (33%) of the 15 locations sampled exhibited tritium activities above the PDWS. Two of the five locations [HSP071 (9,760 pCi/mL) and HSP097 (2,100 pCi/mL)] exhibited the highest tritium activities. One of the Fourmile Branch seeps locations was dry. Overall, tritium activities are decreasing at most of the OFED seepage sampling locations. There are insufficient data to determine an overall trend at the Fourmile seep sampling locations.

TCE concentrations were also exhibited above the PDWS. At the OFED seepage locations, one (10%) of the 10 locations exhibited TCE concentrations above the PDWS. Along the Fourmile Branch seepage, one (7%) of the 15 locations exhibited TCE concentrations above the PDWS. In previous years, higher TCE concentrations were exhibited in more of the OFED seepage sampling locations than in third quarter 1999. Overall, TCE concentrations have been decreasing in the OFED seeps.

Tritium and TCE trend series plots for the seepage locations are presented in Appendices G and H, respectively.

Statistical Evaluation (III.E.H.11.b.ix)

This section does not apply at this time since there are no active groundwater corrective actions. Subsequent CARs will provide a statistical evaluation on the SWP groundwater data to determine the presence of new contaminants and to evaluate the effectiveness of the corrective action in remediating contaminants from the groundwater. No statistical plots are provided in Appendix K.

Rainfall and Recharge (III.E.H.11.b.x)

Precipitation measurements for 1999 are provided in Table 13 below. For comparison, the historical averages are also provided.

Table 13. Precipitation Data for 1999

	Monthly Precipitation (in.)	Historical Average 1952–1999 (in.)
January	5.71	4.39
February	2.75	4.46
March	2.55	4.85
April	1.66	3.33
May	2.82	3.74
June	5.21	4.55
July	4.97	5.20
August	3.86	4.93
September	5.02	4.02
October	2.38	3.03
November	1.04	2.63
December	1.47	3.55
Annual- total	39.44	Average total: 48.68

As in 1998, annual precipitation in 1999 was several inches below the historical average. Concurrently, recharge rates would also be expected to be below the historical average. A reduction in recharge rates may be reflected in a decreasing trend in water elevations measured in shallow aquifers. Hydrographs showing water-elevation changes are provided in Appendix F.

Planned Permit Activity Submittals (III.E.H.11.b.xii)

There are no planned Permit submittals for the SWP.

System Modifications (III.E.H.11.b.xi)

This section does not apply since there is no active groundwater corrective action. Subsequent CARs will provide information on any planned system modifications to meet groundwater protection standards for groundwater cleanup, increase system efficiency, and to meet Regulatory requirements, as appropriate.

Conclusions

The MWMF operated under Interim Status most of 1999 until the effective date of the RCRA Permit in October 1999. An IMP was developed and submitted to SCDHEC for approval, which was received in January 2000. The IMP outlines a strategy to managing tritium contaminated surface water and remediating VOCs in the southwest plume groundwater.

The routine groundwater monitoring was conducted at 152 single screened and six multi-level screened wells installed in the uppermost aquifer at the BGC. The POC wells were sampled during second and fourth 1999 quarters and the assessment wells were sampled during fourth quarter 1999. Twenty percent of the POC wells were sampled and analyzed for an extended analyte list of Appendix IX, Gamma PHA, and specific analyses for alpha and beta emitters. The BGC groundwater monitoring network has been changed to comply with sampling frequency and analytes as stated in the Permit. However, this was not implemented until 2000 because at the time of the effective date of the Permit, sampling had already begun.

New multi-level groundwater monitoring wells have been installed in the SWP. Sampling will begin upon completion of well development. These wells were installed to support the Interim Measures and to provide long-term monitoring of groundwater contaminants at depth-discrete intervals.

As in previous MWMF Groundwater Quality Assessment Reports, tritium and TCE are the most prevalent and extensive groundwater contaminants exhibited in the BGC groundwater monitoring network. Other contaminants have also been exhibited above the PDWS but in fewer wells and at lesser concentrations. Overall, tritium activities and TCE concentrations are decreasing.

Surface water stream sampling was conducted on a twice a month frequency since July 1999 at locations on the ED, OFED, and Fourmile Branch. Tritium is exhibited above the PDWS at all sampling locations. The highest activity levels are found on the OFED stream. Fourmile Branch sampling locations depict an increase in tritium activities after the ED and OFED stream enters Fourmile Branch compared to FMB upstream locations. These locations will continue to be monitored in 2000.

Seepline sampling was conducted during second and third quarters 1999 at the OFED and along Fourmile Branch. Additional seepline locations were identified and monitored during third quarter 1999. Tritium activities are higher in the seeps within the OFED, however, two of the Fourmile Branch seepline locations exhibit elevated levels over 2,000 pCi/mL. These seepline locations will continue to be monitored in 2000.

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Errata and Revisions

There are no errata to report.

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Appendix A

Figures

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Figure 1. Location of the Burial Ground Complex

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Figure 2. Generalized Plume Map at the Burial Ground Complex

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Figure 3. Location of Well Clusters at the Burial Ground Complex

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Figure 4. Location of Wells in the Upper Aquifer Zone of the Upper Three Runs Aquifer at the Burial Ground Complex

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Mixed Waste Management Facility

Figure 5. Location of Wells in the Lower Aquifer Zone of the Upper Three Runs Aquifer at the Burial Ground Complex

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Figure 6. Location of Wells
in the Gordon Aquifer
at the Burial Ground Complex

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Figure 7. Location of Recently Installed Well Clusters at the Southwest Plume Area

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BSE 01 WELL CLUSTER HYDROGRAPH

Figure 8. Well Cluster BSE 1 Hydrograph

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BSE 02 WELL CLUSTER HYDROGRAPH

Figure 9. Well Cluster BSE 2 Hydrograph

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BSE 03 WELL CLUSTER HYDROGRAPH

Figure 10. Well Cluster BSE 3 Hydrograph

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Figure 11. Location of
Hydrostratigraphic Cross Sections
at the Burial Ground Complex

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Figure 12. Location of Well Clusters at the Southwest Plume Area

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Figure 13. Location of
Surface Water and Seepage
Sampling Locations
at the Southwest Plume Area

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Historical Rainfall

Figure 14. Historical Rainfall

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Appendix B

Final Primary Drinking Water Standards and Flagging Criteria

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Flagging Criteria

Analytes in the data tables are assigned flagging levels (0, 1, or 2) depending on their concentrations in a groundwater sample. The flagging levels dictate the scheduling and frequency of groundwater sampling. Beginning first quarter 1992, flagging criteria were established for all of the constituents currently being analyzed as part of the EPD/EMS Groundwater Monitoring Program, except for certain aesthetic constituents, indicator parameters, major cations, and common laboratory contaminants and cleaners, which can be analyzed by special request. The flagging criteria in table 2 were determined as follows:

Flag 0: Analytical results below Flag 1 and constituents having no flagging criteria were classified as Flag 0.

Flag 1: The Flag 1 criterion for a constituent was set as one-half of the EPA final primary drinking water standard, the EPA proposed primary drinking water standard, or the EPA secondary drinking water standard for that constituent. If a constituent did not have an EPA drinking water standard, the Flag 1 criterion was set as five times a recently published 90th percentile detection limit obtained by one of the primary laboratories.

Flag 2: The Flag 2 criterion for a constituent was set as the EPA final primary drinking water standard, the EPA proposed primary drinking water standard, or the EPA secondary drinking water standard for that constituent. If a constituent did not have a drinking water standard, the Flag 2 criterion was set as 10 times a recently published 90th percentile detection limit obtained by one of the primary laboratories.

The following acronyms are used as abbreviated sources in the flagging criteria table. Complete information concerning documents cited can be found in the **References** section of this report.

APHA — American Public Health Association.

APHA Method — A specific analytical method for testing constituent levels in a sample as established by the APHA, American Water Works Association, and Water Pollution Control Federation. See American Public Health Association et al. in **References**.

EPA — U.S. Environmental Protection Agency.

EPA Method — A specific analytical method for testing constituent levels. Descriptions of these methods can be found in the EPA publications *Methods for Chemical Analysis of Water and Wastes* (1983) and *Test Methods for Evaluating Solid Waste* (1986b) and in the 1991 *Code of Federal Regulations*, Title 40, Part 136. See Environmental Protection Agency in **References**.

EPD/EMS — The Environmental Protection Department/Environmental Monitoring Section at the Savannah River Site.

PDWS — Primary Drinking Water Standards.

SCDHEC — South Carolina Department of Health and Environmental Control.

SDWS — Secondary Drinking Water Standards.

Flagging Criteria

Analyte	Unit	Flag 1	Flag 2	Source†
Acenaphthene	µg/L	5.1	10.2	EPA Method 8270
Acenaphthylene	µg/L	5.1	10.2	EPA Method 8270
Acetone	µg/L	500	1,000	Set by EPD/EMS
Acetonitrile (Methyl cyanide)	µg/L	50	100	EPA Method 8240
Acetophenone	µg/L	85	170	EPA Method 8270
2-Acetylaminofluorene	µg/L	81	162	EPA Method 8270
Acrolein	µg/L	166.5	333	EPA Method 8240
Acrylonitrile	µg/L	250	500	EPA Method 8240
Actinium-228	µCi/mL	1.64E-06	3.27E-06	Proposed PDWS (EPA, 1991c)
Alachlor	µg/L	1.0	2.0	Final PDWS (EPA, 1998a)
Aldicarb	µg/L	1.5	3.0	Final PDWS (EPA, 1998a)
Aldicarb sulfone	µg/L	1.0	2.0	Final PDWS (EPA, 1998a)
Aldicarb sulfoxide	µg/L	2.0	4.0	Final PDWS (EPA, 1998a)
Aldrin	µg/L	0.4	0.8	EPA Method 8080
Alkalinity (as CaCO ₃)		No flag	No flag	Set by EPD/EMS
Allyl chloride	µg/L	416.5	833	EPA Method 8240
Aluminum	µg/L	25	50	SDWS (EPA, 1998b)
Aluminum, dissolved	µg/L	25	50	SDWS (EPA, 1998b)
Aluminum, total recoverable	µg/L	25	50	SDWS (EPA, 1998b)
Americium-241	µCi/mL	3.17E-09	6.34E-09	Proposed PDWS (EPA, 1991c)
Americium-243	µCi/mL	3.19E-09	6.37E-09	Proposed PDWS (EPA, 1991c)
4-Aminobiphenyl	µg/L	81	162	EPA Method 8270
Ammonia	µg/L	250	500	APHA Method 417B
Ammonia nitrogen	µg/L	500	1,000	EPA Method 350.1
Aniline	µg/L	81	162	EPA Method 8270
Anthracene	µg/L	5.1	10.2	EPA Method 8270
Antimony	µg/L	3.0	6.0	Final PDWS (EPA, 1998a)
Antimony, dissolved	µg/L	3.0	6.0	Final PDWS (EPA, 1998a)
Antimony, total recoverable	µg/L	3.0	6.0	Final PDWS (EPA, 1998a)
Antimony-124	µCi/mL	3.0E-08	6.0E-08	Interim Final PDWS (EPA, 1977)
Antimony-125	µCi/mL	1.5E-07	3.0E-07	Interim Final PDWS (EPA, 1977)
Aramite	µg/L	81	162	EPA Method 8270
Arsenic	µg/L	25	50	Final PDWS (EPA, 1998a)
Arsenic, dissolved	µg/L	25	50	Final PDWS (EPA, 1998a)
Arsenic, total recoverable	µg/L	25	50	Final PDWS (EPA, 1998a)
Asbestos	Fibers/L	3,500,000	7,000,000	Final PDWS (EPA, 1998a)
Atrazine	µg/L	1.5	3.0	Final PDWS (EPA, 1998a)
Azobenzene	µg/L	50	100	EPA Method 625
Barium	µg/L	1,000	2,000	Final PDWS (EPA, 1998a)
Barium, dissolved	µg/L	1,000	2,000	Final PDWS (EPA, 1998a)
Barium, total recoverable	µg/L	1,000	2,000	Final PDWS (EPA, 1998a)
Barium-133	µCi/mL	7.60E-07	1.52E-06	Proposed PDWS (EPA, 1991c)
Barium-140	µCi/mL	4.5E-08	9.0E-08	Interim Final PDWS (EPA, 1977)
Benzene	µg/L	2.5	5.0	Final PDWS (EPA, 1998a)
alpha-Benzene hexachloride	µg/L	0.15	0.3	EPA Method 8080
beta-Benzene hexachloride	µg/L	0.25	0.5	EPA Method 8080
delta-Benzene hexachloride	µg/L	0.25	0.5	EPA Method 8080
Benzidine	µg/L	83.5	167	EPA Method 8270
Benzo[a]anthracene	µg/L	0.05	0.1	Proposed PDWS (EPA, 1990)
Benzo[b]fluoranthene	µg/L	0.1	0.2	Proposed PDWS (EPA, 1990)
Benzo[k]fluoranthene	µg/L	0.1	0.2	Proposed PDWS (EPA, 1990)
Benzoic acid	µg/L	5.0	10	PA Method 8270
Benzo[g,h,i]perylene	µg/L	5.1	10.2	EPA Method 8270
Benzo[a]pyrene	µg/L	0.1	0.2	Final PDWS (EPA, 1998a)

Analyte	Unit	Flag 1	Flag 2	Source†
1,4-Benzoquinone	µg/L	50	100	EPA Method 8270
Benzyl alcohol	µg/L	5.0	10	EPA Method 8270
Beryllium	µg/L	2.0	4.0	Final PDWS (EPA, 1998a)
Beryllium, dissolved	µg/L	2.0	4.0	Final PDWS (EPA, 1998a)
Beryllium, total recoverable	µg/L	2.0	4.0	Final PDWS (EPA, 1998a)
Beryllium-7	µCi/mL	3.0E-06	6.0E-06	Interim Final PDWS (EPA, 1977)
5-day Biochemical oxygen demand		No flag	No flag	Set by EPD/EMS
Bis(2-chloroethoxy) methane	µg/L	5.1	10.2	EPA Method 8270
Bis(2-chloroethyl) ether	µg/L	5.1	10.2	EPA Method 8270
Bis(2-chloroisopropyl) ether	µg/L	100	200	EPA Method 8270
Bis(chloromethyl) ether	µg/L	50	100	EPA Method 8270
Bis(2-ethylhexyl) phthalate	µg/L	3.0	6.0	Final PDWS (EPA, 1998a)
Bismuth-214	µCi/mL	9.4E-06	1.89E-05	Proposed PDWS (EPA, 1991c)
Boron	µg/L	2,500	5,000	EPA Method 6010
Boron, dissolved	µg/L	2,500	5,000	EPA Method 6010
Boron, total recoverable	µg/L	2,500	5,000	EPA Method 6010
Bromide	µg/L	5,000	10,000	EPA Method 300.0
Bromobenzene	µg/L	25	50	EPA Method 8260
Bromochloromethane	µg/L	5	10	EPA Method 8260
Bromodichloromethane	µg/L	50	100	Final PDWS (EPA, 1998a)
Bromoform	µg/L	50	100	Final PDWS (EPA, 1998a)
Bromomethane	µg/L	10	20	EPA Method 8240
4-Bromophenyl phenyl ether	µg/L	5.1	10.2	EPA Method 8270
2-sec-Butyl-4,6-dinitrophenol	g/L	3.5	7.0	Final PDWS (EPA, 1998a)
n-Butylbenzene	µg/L	5	10	EPA Method 8260
sec-Butylbenzene	µg/L	5	10	EPA Method 8260
tert-Butylbenzene	µg/L	5	10	EPA Method 8260
Butylbenzyl phthalate		No flag	No flag	Set by EPD/EMS
Cadmium	µg/L	2.5	5.0	Final PDWS (EPA, 1998a)
Cadmium, dissolved	µg/L	2.5	5.0	Final PDWS (EPA, 1998a)
Cadmium, total recoverable	µg/L	2.5	5.0	Final PDWS (EPA, 1998a)
Calcium		No flag	No flag	Set by EPD/EMS
Calcium, dissolved		No flag	No flag	Set by EPD/EMS
Calcium, total recoverable		No flag	No flag	Set by EPD/EMS
Carbofuran	µg/L	20	40	Final PDWS (EPA, 1998a)
Carbon disulfide	µg/L	25	50	EPA Method 8240
Carbon tetrachloride	µg/L	2.5	5.0	Final PDWS (EPA, 1998a)
Carbon-14	µCi/mL	1.0E-06	2.0E-06	Interim Final PDWS (EPA, 1977)
Carbonate		No flag	No flag	Set by EPD/EMS
Cerium-141♦	µCi/mL	1.5E-07	3.0E-07	Interim Final PDWS (EPA, 1977)
Cerium-144	µCi/mL	1.31E-07	2.61E-07	Proposed PDWS (EPA, 1991c)
Cesium-134♦	µCi/mL	4.07E-08	8.13E-08	Proposed PDWS (EPA, 1991c)
Cesium-137	µCi/mL	1.0E-07	2.0E-07	Interim Final PDWS (EPA, 1977)
Chemical Oxygen Demand		No flag	No flag	Set by EPD/EMS
Chlordane	µg/L	1.0	2.0	Final PDWS (EPA, 1998a)
alpha-Chlordane	µg/L	0.25	0.5	EPA Method 8080
gamma-Chlordane	µg/L	0.25	0.5	EPA Method 8080
Chloride	µg/L	125,000	250,000	SDWS (EPA, 1998b)
4-Chloroaniline	µg/L	5.0	10	EPA Method 8270
Chlorobenzene	µg/L	50	100	Final PDWS (EPA, 1998a)
Chlorobenzilate	µg/L	81	162	EPA Method 8270
Chloroethane	µg/L	10	20	EPA Method 8240
Chloroethene (Vinyl chloride)	µg/L	1.0	2.0	Final PDWS (EPA, 1998a)
Chloroethyl vinyl ether	µg/L	5.0	10	EPA Method 8240
2-Chloroethyl vinyl ether	µg/L	50	100	EPA Method 8240
Chloroform	µg/L	50	100	Final PDWS (EPA, 1998a)

Analyte	Unit	Flag 1	Flag 2	Source†
4-Chloro-m-cresol	µg/L	5.1	10.2	EPA Method 8270
Chloromethane	µg/L	10	20	EPA Method 8240
2-Chloronaphthalene	µg/L	5.1	10.2	EPA Method 8240
2-Chlorophenol	µg/L	5.1	10.2	EPA Method 8270
4-Chlorophenyl phenyl ether	µg/L	5.1	10.2	EPA Method 8270
Chloroprene	µg/L	1,665	3,330	EPA Method 8240
2-Chlorotoluene	µg/L	25	50	EPA Method 8260
4-Chlorotoluene	µg/L	5	10	EPA Method 8260
Chromium	µg/L	50	100	Final PDWS (EPA, 1998a)
Chromium, dissolved	µg/L	50	100	Final PDWS (EPA, 1998a)
Chromium, total recoverable	µg/L	50	100	Final PDWS (EPA, 1998a)
Chromium-51❖	µCi/mL	3.0E-06	6.0E-06	Interim Final PDWS (EPA, 1977)
Chrysene	µg/L	0.1	0.2	Proposed PDWS (EPA, 1990)
Cobalt	µg/L	50	100	EPA Method 6010
Cobalt, dissolved	µg/L	50	100	EPA Method 6010
Cobalt, total recoverable	µg/L	50	100	EPA Method 6010
Cobalt-57	µCi/mL	5.0E-07	1.0E-06	Interim Final PDWS (EPA, 1977)
Cobalt-58	µCi/mL	4.5E-06	9.0E-06	Interim Final PDWS (EPA, 1977)
Cobalt-60	µCi/mL	5.0E-08	1.0E-07	Interim Final PDWS (EPA, 1977)
Color		No flag	No flag	Set by EPD/EMS
Copper	µg/L	500	1,000	Final PDWS (SCDHEC, 1981)
Copper, dissolved	µg/L	500	1,000	Final PDWS (SCDHEC, 1981)
Copper, total recoverable	µg/L	500	1,000	Final PDWS (SCDHEC, 1981)
Corrosivity		No flag	No flag	Set by EPD/EMS
m-Cresol (3-Methylphenol)	µg/L	50	100	EPA Method 8270
o-Cresol (2-Methylphenol)	µg/L	5.0	10	EPA Method 8270
p-Cresol (4-Methylphenol)	µg/L	60	120	EPA Method 8270
Curium-242	µCi/mL	6.65E-08	1.33E-07	Proposed PDWS (EPA, 1991c)
Curium-243	µCi/mL	4.15E-09	8.30E-09	Proposed PDWS (EPA, 1991c)
Curium-243/244❖	µCi/mL	4.15E-09	8.30E-09	Proposed PDWS (EPA, 1991c)
Curium-244	µCi/mL	4.92E-09	9.84E-09	Proposed PDWS (EPA, 1991c)
Curium-245/246❖	µCi/mL	3.12E-09	6.23E-09	Proposed PDWS (EPA, 1991c)
Curium-246	Ci/mL	3.14E-09	6.27E-09	Proposed PDWS (EPA, 1991c)
Cyanide	µg/L	100	200	Final PDWS (EPA, 1998a)
Dalapon	g/L	100	200	Final PDWS (EPA, 1998a)
p,p'-DDD	µg/L	0.55	1.1	EPA Method 8080
p,p'-DDE	µg/L	0.25	0.5	EPA Method 8080
p,p'-DDT	g/L	0.85	1.7	EPA Method 8080
Diallate	µg/L	81	162	EPA Method 8270
Dibenz[<i>a,h</i>]anthracene	µg/L	0.15	0.3	Proposed PDWS (EPA, 1990)
Dibenzofuran	µg/L	5.0	10	EPA Method 8270
Dibromochloromethane	µg/L	50	100	Final PDWS (EPA, 1998a)
1,2-Dibromo-3-chloropropane	µg/L	0.1	0.2	Final PDWS (EPA, 1998a)
1,2-Dibromoethane	µg/L	0.025	0.05	Final PDWS (EPA, 1998a)
Dibromomethane	g/L	10	20	EPA Method 8240
Di-n-butyl phthalate		No flag	No flag	Set by EPD/EMS
1,2-Dichlorobenzene	µg/L	300	600	Final PDWS (EPA, 1998a)
1,3-Dichlorobenzene	µg/L	81	162	EPA Method 8270
1,4-Dichlorobenzene	µg/L	37.5	75	Final PDWS (EPA, 1998a)
3,3'-Dichlorobenzidine	µg/L	5.1	10.2	EPA Method 8270
trans-1,4-Dichloro-2-butene	µg/L	250	500	EPA Method 8240
Dichlorodifluoromethane	µg/L	10	20	EPA Method 8240
1,1-Dichloroethane	µg/L	10	20	EPA Method 8240
1,2-Dichloroethane	µg/L	2.5	5.0	Final PDWS (EPA, 1998a)
cis-1,2-Dichloroethylene	µg/L	35	70	Final PDWS (EPA, 1998a)
1,1-Dichloroethylene	µg/L	3.5	7.0	Final PDWS (EPA, 1998a)

Analyte	Unit	Flag 1	Flag 2	Source†
1,2-Dichloroethylene	µg/L	25	50	EPA Method 8240
trans-1,2-Dichloroethylene	µg/L	50	100	Final PDWS (EPA, 1998a)
Dichloromethane	µg/L	2.5	5.0	Final PDWS (EPA, 1998a)
2,4-Dichlorophenol	µg/L	5.1	10.2	EPA Method 8270
2,6-Dichlorophenol	µg/L	83.5	167	EPA Method 8270
2,4-Dichlorophenoxyacetic acid	µg/L	35	70	Final PDWS (EPA, 1998a)
1,2-Dichloropropane	µg/L	2.5	5.0	Final PDWS (EPA, 1998a)
2,2-Dichloropropane	µg/L	5	10	EPA Method 8260
cis-1,3-Dichloropropene	µg/L	10	20	EPA Method 8240
trans-1,3-Dichloropropene	µg/L	10	20	EPA Method 8240
Dieldrin	µg/L	4.15	8.3	EPA Method 8080
Di(2-ethylhexyl) adipate	µg/L	200	400	Final PDWS (EPA, 1998a)
Diethyl phthalate		No flag	No flag	Set by EPD/EMS
Dimethoate	µg/L	81	162	EPA Method 8270
2,4-Dimethyl phenol	µg/L	5.1	10.2	EPA Method 8270
Dimethyl phthalate		No flag	No flag	Set by EPD/EMS
p-Dimethylaminoazobenzene	µg/L	81	162	EPA Method 8270
p-(Dimethylamino)ethylbenzene	µg/L	50	100	EPA Method 8270
7,12-Dimethylbenz[<i>a</i>]anthracene	µg/L	81	162	EPA Method 8270
3,3'-Dimethylbenzidine	µg/L	81	162	EPA Method 8270
a,a-Dimethylphenethylamine	µg/L	81	162	EPA Method 8270
1,3-Dinitrobenzene	µg/L	81	162	EPA Method 8270
2,4-Dinitrophenol	µg/L	51	102	EPA Method 8270
2,4-Dinitrotoluene	µg/L	0.5	1.0	EPA Method 8270
2,6-Dinitrotoluene	µg/L	0.5	1.0	EPA Method 8270
Di-n-octyl phthalate		No flag	No flag	Set by EPD/EMS
1,4-Dioxane	µg/L	500	1000	EPA Method 8270
Diphenylamine	µg/L	81	162	EPA Method 8270
1,2-Diphenylhydrazine	µg/L	83.5	167	EPA Method 8270
Diquat dibromide	µg/L	10	20	Final PDWS (EPA, 1998a)
Dissolved organic carbon	µg/L	10,500,000	21,000,000	EPA Method 9060
Disulfoton	µg/L	81	162	EPA Method 8270
Endosulfan I	µg/L	0.25	0.5	EPA Method 8080
Endosulfan II	µg/L	0.55	1.1	EPA Method 8080
Endosulfan sulfate	µg/L	0.55	1.1	EPA Method 8080
Endothall	µg/L	50	100	Final PDWS (EPA, 1998a)
Endrin	µg/L	1.0	2.0	Final PDWS (EPA, 1998a)
Endrin aldehyde	µg/L	0.85	1.7	EPA Method 8080
Endrin ketone		No flag	No flag	Set by EPD/EMS
Ethyl ether	µg/L	50	100	EPA Method 8260
Ethyl methacrylate	µg/L	2.5	5.0	EPA Method 8270
Ethyl methanesulfonate	µg/L	81	162	EPA Method 8270
Ethylbenzene	µg/L	350	700	Final PDWS (EPA, 1998a)
Europium-152	µCi/mL	3.0E-08	6.0E-08	Interim Final PDWS (EPA, 1977)
Europium-154	µCi/mL	1.0E-07	2.0E-07	Interim Final PDWS (EPA, 1977)
Europium-155	µCi/mL	3.0E-07	6.0E-07	Interim Final PDWS (EPA, 1977)
Famphur	µg/L	81	162	EPA Method 8270
Fluoranthene	µg/L	5.1	10.2	EPA Method 8270
Fluorene	µg/L	5.1	10.2	EPA Method 8270
Fluoride	µg/L	2,000	4,000	Final PDWS (EPA, 1998a)
Glyphosate	µg/L	350	700	Final PDWS (EPA, 1998a)
Gross alpha	µCi/mL	7.5E-09	1.5E-08	Final PDWS (EPA, 1998a)
Heptachlor	µg/L	0.2	0.4	Final PDWS (EPA, 1998a)
Heptachlor epoxide	µg/L	0.1	0.2	Final PDWS (EPA, 1998a)
Heptachlorodibenzo-p-dioxins	µg/L	0.007	0.014	EPA Method 8280
1,2,3,4,6,7,8-HPCDD	µg/L	0.007	0.014	EPA Method 8280
Heptachlorodibenzo-p-furans	µg/L	0.008	0.016	EPA Method 8280

Analyte	Unit	Flag 1	Flag 2	Source†
1,2,3,4,6,7,8-HPCDF	µg/L	0.008	0.016	EPA Method 8280
Hexachlorobenzene	µg/L	0.5	1.0	Final PDWS (EPA, 1998a)
Hexachlorobutadiene	µg/L	5.0	10	EPA Method 8270
Hexachlorocyclopentadiene	µg/L	25	50	Final PDWS (EPA, 1998a)
Hexachlorodibenzo-p-dioxins	µg/L	0.008	0.016	EPA Method 8280
1,2,3,4,7,8-HXCDD	µg/L	0.0105	0.021	EPA Method 8280
Hexachlorodibenzo-p-furans	µg/L	0.006	0.012	EPA Method 8280
1,2,3,4,7,8-HXCDF	µg/L	0.0085	0.017	EPA Method 8280
Hexachloroethane	µg/L	0.5	1.0	EPA Method 8270
Hexachlorophene	µg/L	83.5	167	EPA Method 8270
Hexachloropropene	µg/L	81	162	EPA Method 8270
2-Hexanone	µg/L	50	100	EPA Method 8240
Indeno[1,2,3-c,d]pyrene	µg/L	0.5	1.0	EPA Method 8270
Iodine	µg/L	250	500	APHA Method 415A
Iodine-129	µCi/mL	5.0E-10	1.0E-09	Interim Final PDWS (EPA, 1977)
Iodine-131❖	µCi/mL	1.5E-09	3.0E-09	Interim Final PDWS (EPA, 1977)
Iodomethane (Methyl iodide)	µg/L	125	250	EPA Method 8240
Iron	µg/L	150	300	SDWS (EPA, 1998b)
Iron, dissolved	µg/L	150	300	SDWS (EPA, 1998b)
Iron, total recoverable	µg/L	150	300	SDWS (EPA, 1998b)
Iron-55❖	µCi/mL	1.0E-06	2.0E-06	Interim Final PDWS (EPA, 1977)
Iron-59❖	µCi/mL	1.0E-07	2.0E-07	Interim Final PDWS (EPA, 1977)
Isobutyl alcohol	µg/L	834.5	1,669	EPA Method 8240
Isodrin	µg/L	81	162	EPA Method 8270
Isophorone	µg/L	5.1	10.2	EPA Method 8270
Isopropylbenzene	µg/L	5	10	EPA Method 8260
p-Isopropylbenzene	µg/L	5	10	EPA Method 8260
Isosafrole	µg/L	81	162	EPA Method 8270
Kepone	µg/L	81	162	EPA Method 8270
Lanthanum-140❖	µCi/mL	3.0E-08	6.0E-08	Interim Final PDWS (EPA, 1977)
Lead	µg/L	25	50	Final PDWS (SCDHEC, 1981)
Lead, dissolved	µg/L	25	50	Final PDWS (SCDHEC, 1981)
Lead, total recoverable	µg/L	25	50	Final PDWS (SCDHEC, 1981)
Lead-212	µCi/mL	6.20E-08	1.23E-07	Proposed PDWS (EPA, 1991c)
Lindane	µg/L	0.1	0.2	Final PDWS (EPA, 1998a)
Lithium	µg/L	125	250	EPA Method 6010
Lithium, dissolved	µg/L	125	250	EPA Method 6010
Lithium, total recoverable	µg/L	125	250	EPA Method 6010
Magnesium		No flag	No flag	Set by EPD/EMS
Magnesium, dissolved		No flag	No flag	Set by EPD/EMS
Magnesium, total recoverable		No flag	No flag	Set by EPD/EMS
Manganese	µg/L	25	50	SDWS (EPA, 1998b)
Manganese, dissolved	µg/L	25	50	SDWS (EPA, 1998b)
Manganese, total recoverable	µg/L	25	50	SDWS (EPA, 1998b)
Manganese-54	µCi/mL	1.5E-07	3.0E-07	Interim Final PDWS (EPA, 1977)
Mercury	µg/L	1.0	2.0	Final PDWS (EPA, 1998a)
Mercury, dissolved	µg/L	1.0	2.0	Final PDWS (EPA, 1998a)
Mercury, total recoverable	µg/L	1.0	2.0	Final PDWS (EPA, 1998a)
Methacrylonitrile	µg/L	416.5	833	EPA Method 8240
Methapyrilene	µg/L	81	162	EPA Method 8270
Methoxychlor	µg/L	20	40	Final PDWS (EPA, 1998a)
Methyl ethyl ketone		No flag	No flag	Set by EPD/EMS
Methyl isobutyl ketone		No flag	No flag	Set by EPD/EMS
Methyl methacrylate	µg/L	50	100	EPA Method 8270

Analyte	Unit	Flag 1	Flag 2	Source†
Methyl methanesulfonate	µg/L	81	162	EPA Method 8270
Methyl tert-butyl ether	µg/L	5.0	10	EPA Method 8260
3-Methylcholanthrene	µg/L	81	162	EPA Method 8270
2-Methyl-4,6-dinitrophenol	µg/L	51	102	EPA Method 8270
2-Methylnaphthalene	µg/L	5.0	10	EPA Method 8270
Molybdenum	µg/L	250	500	EPA Method 6010
Molybdenum, dissolved	µg/L	250	500	EPA Method 6010
Molybdenum, total recoverable	µg/L	250	500	EPA Method 6010
Naphthalene	µg/L	83.5	167	EPA Method 8270
1,4-Naphthoquinone	µg/L	81	162	EPA Method 8270
1-Naphthylamine	µg/L	81	162	EPA Method 8270
2-Naphthylamine	µg/L	81	162	EPA Method 8270
Neptunium-237	µCi/mL	3.53E-09	7.06E-09	Proposed PDWS (EPA, 1991c)
Neptunium-239	µCi/mL	8.40E-07	1.68E-06	Proposed PDWS (EPA, 1991c)
Nickel	µg/L	50	100	Final PDWS (EPA, 1998a)
Nickel, dissolved	µg/L	50	100	Final PDWS (EPA, 1998a)
Nickel, total recoverable	µg/L	50	100	Final PDWS (EPA, 1998a)
Nickel-59	µCi/mL	1.5E-07	3.0E-07	Interim Final PDWS (EPA, 1977)
Nickel-63	µCi/mL	2.5E-08	5.0E-08	Interim Final PDWS (EPA, 1977)
Niobium-95❖	µCi/mL	1.5E-07	3.0E-07	Interim Final PDWS (EPA, 1977)
Nitrate as nitrogen	µg/L	5,000	10,000	Final PDWS (EPA, 1998a)
Nitrate-nitrite as nitrogen	µg/L	5,000	10,000	Final PDWS (EPA, 1998a)
Nitrite as nitrogen	µg/L	500	1,000	Final PDWS (EPA, 1998a)
m-Nitroaniline	µg/L	5.0	10	EPA Method 8270
o-Nitroaniline	µg/L	5.0	10	EPA Method 8270
p-Nitroaniline	µg/L	5.0	10	EPA Method 8270
Nitrobenzene	µg/L	5.1	10.2	EPA Method 8270
Nitrogen by Kjeldahl method	µg/L	500	1,000	EPA Method 351.2
2-Nitrophenol	g/L	5.1	10.2	EPA Method 8270
4-Nitrophenol	µg/L	5.1	10.2	EPA Method 8270
4-Nitroquinoline-1-oxide	µg/L	81	162	EPA Method 8270
N-Nitrosodi-n-butylamine	µg/L	81	162	EPA Method 8270
N-Nitrosodiethylamine	µg/L	81	162	EPA Method 8270
N-Nitrosodimethylamine	µg/L	83.5	167	EPA Method 8270
N-Nitrosodiphenylamine	µg/L	5.1	10.2	EPA Method 8270
N-Nitrosodipropylamine	µg/L	5.1	10.2	EPA Method 8270
N-Nitrosomethylethylamine	µg/L	81	162	EPA Method 8270
N-Nitrosomorpholine	µg/L	81	162	EPA Method 8270
N-Nitrosopiperidine	µg/L	81	162	EPA Method 8270
N-Nitrosopyrrolidine	µg/L	81	162	EPA Method 8270
5-Nitro-o-toluidine	µg/L	81	162	EPA Method 8270
Nonvolatile beta	µCi/mL	2.5E-08	5.0E-08	Interim Final PDWS (EPA, 1977)
Octachlorodibenzo-p-dioxins	µg/L	0.0085	0.017	EPA Method 8280
Octachlorodibenzo-p-furans	µg/L	0.0065	0.013	EPA Method 8280
Odor		No flag	No flag	Set by EPD/EMS
Oil & grease	µg/L	8,350	16,700	EPA Method 413.1
Oxamyl	µg/L	100	200	Final PDWS (EPA, 1998a)
Parathion	µg/L	0.4	0.8	EPA Method 8080
Parathion methyl	µg/L	0.4	0.8	EPA Method 8080
PCB 1016	µg/L	0.25	0.5	Final PDWS (EPA, 1998a)
PCB 1221	µg/L	0.25	0.5	Final PDWS (EPA, 1998a)
PCB 1232	µg/L	0.25	0.5	Final PDWS (EPA, 1998a)
PCB 1242	µg/L	0.25	0.5	Final PDWS (EPA, 1998a)
PCB 1248	µg/L	0.25	0.5	Final PDWS (EPA, 1998a)
PCB 1254	µg/L	0.25	0.5	Final PDWS (EPA, 1998a)
PCB 1260	µg/L	0.25	0.5	Final PDWS (EPA, 1998a)

Analyte	Unit	Flag 1	Flag 2	Source†
PCB 1262	µg/L	0.25	0.5	Final PDWS (EPA, 1998a)
Pentachlorobenzene	µg/L	81	162	EPA Method 8270
Pentachlorodibenzo-p-dioxins	µg/L	0.008	0.016	EPA Method 8280
1,2,3,7,8-PCDD	µg/L	0.0075	0.015	EPA Method 8280
Pentachlorodibenzo-p-furans	µg/L	0.0085	0.017	EPA Method 8280
1,2,3,7,8-PCDF	µg/L	0.0085	0.017	EPA Method 8280
Pentachloroethane	µg/L	81	162	EPA Method 8270
Pentachloronitrobenzene	µg/L	81	162	EPA Method 8270
Pentachlorophenol	µg/L	0.5	1.0	Final PDWS (EPA, 1998a)
pH	pH	8.0	10	Set by EPD/EMS
pH	pH	4.0	3.0	Set by EPD/EMS
Phenacetin	g/L	81	162	EPA Method 8270
Phenanthrene	µg/L	5.1	10.2	EPA Method 8270
Phenol	µg/L	83.5	167	EPA Method 8270
Phenols	µg/L	50	100	EPA Method 420.1
p-Phenylenediamine	µg/L	81	162	EPA Method 8270
Phorate	µg/L	0.85	1.7	EPA Method 8080
Picloram	µg/L	250	500	Final PDWS (EPA, 1998a)
2-Picoline	µg/L	81	162	EPA Method 8270
Plutonium-238	µCi/mL	3.51E-09	7.02E-09	Proposed PDWS (EPA, 1991c)
Plutonium-239	µCi/mL	3.11E-08	6.21E-08	Proposed PDWS (EPA, 1991c)
Plutonium-239/240	µCi/mL	3.11E-08	6.21E-08	Proposed PDWS (EPA, 1991c)
Plutonium-240	µCi/mL	3.11E-08	6.22E-08	Proposed PDWS (EPA, 1991c)
Plutonium-241	Ci/mL	3.13E-08	6.26E-08	Proposed PDWS (EPA, 1991c)
Plutonium-242	µCi/mL	3.27E-08	6.54E-08	Proposed PDWS (EPA, 1991c)
Potassium		No flag	No flag	Set by EPD/EMS
Potassium, dissolved		No flag	No flag	Set by EPD/EMS
Potassium, total recoverable		No flag	No flag	Set by EPD/EMS
Potassium-40	µCi/mL	1.5E-07	3.0E-07	Proposed PDWS (EPA, 1986a)
Promethium-144	µCi/mL	5.0E-08	1.0E-07	EPA Method 901.1
Promethium-146	µCi/mL	5.0E-08	1.0E-07	EPA Method 901.1
Promethium-147	µCi/mL	2.62E-06	5.24E-06	Proposed PDWS (EPA, 1991c)
Pronamid	µg/L	81	162	EPA Method 8270
Propionitrile	µg/L	1,665	3,330	EPA Method 8240
n-Propylbenzene	µg/L	5	10	EPA Method 8260
Pyrene	µg/L	5.1	10.2	EPA Method 8270
Pyridine	µg/L	81	162	EPA Method 8270
Radium-226	µCi/mL	2.5E-09	5.0E-09	Interim Final PDWS (EPA, 1977)
Radium-228	µCi/mL	2.5E-09	5.0E-09	Interim Final PDWS (EPA, 1977)
Radon-222	µCi/mL	1.5E-07	3.0E-07	Proposed PDWS (EPA, 1991c)
Ruthenium-103	µCi/mL	1.0E-07	2.0E-07	Interim Final PDWS (EPA, 1977)
Ruthenium-106	µCi/mL	1.5E-08	3.0E-08	Interim Final PDWS (EPA, 1977)
Safrole	µg/L	81	162	EPA Method 8270
Selenium	µg/L	25	50	Final PDWS (EPA, 1998a)
Selenium, dissolved	µg/L	25	50	Final PDWS (EPA, 1998a)
Selenium, total recoverable	µg/L	25	50	Final PDWS (EPA, 1998a)
Silica		No flag	No flag	Set by EPD/EMS
Silica, dissolved		No flag	No flag	Set by EPD/EMS
Silica, total recoverable		No flag	No flag	Set by EPD/EMS
Silver	µg/L	50	100	SDWS (EPA, 1998b)
Silver, dissolved	µg/L	50	100	SDWS (EPA, 1998b)
Silver, total recoverable	µg/L	50	100	SDWS (EPA, 1998b)
Simazine	µg/L	2.0	4.0	Final PDWS (EPA, 1998a)
Sodium		No flag	No flag	Set by EPD/EMS
Sodium, dissolved		No flag	No flag	Set by EPD/EMS
Sodium, total recoverable		No flag	No flag	Set by EPD/EMS

Analyte	Unit	Flag 1	Flag 2	Source†
Sodium-22	µCi/mL	2.33E-07	4.66E-07	Proposed PDWS (EPA, 1991c)
Specific conductance	µS/cm	250	500	Set by EPD/EMS
Strontium-89	µCi/mL	1.0E-08	2.0E-08	Interim Final PDWS (EPA, 1977)
Strontium-89/90	µCi/mL	4.0E-09	8.0E-09	Final PDWS (EPA, 1998a)
Strontium-90	µCi/mL	4.0E-09	8.0E-09	Final PDWS (EPA, 1998a)
Styrene	µg/L	50	100	Final PDWS (EPA, 1998a)
Sulfate	µg/L	200,000	400,000	Proposed PDWS (EPA, 1990)
Sulfide	µg/L	8,350	16,700	EPA Method 9030
Sulfotep	µg/L	81	162	EPA Method 8270
Surfactants		No flag	No flag	Set by EPD/EMS
2,3,7,8-TCDD	µg/L	0.007	0.014	Final PDWS (EPA, 1998a)
2,3,7,8-TCDF	µg/L	0.00425	0.0085	EPA Method 8280
Technetium-99	µCi/mL	4.5E-07	9.0E-07	Interim Final PDWS (EPA, 1977)
1,2,4,5-Tetrachlorobenzene	µg/L	81	162	EPA Method 8270
Tetrachlorodibenzo-p-dioxins	µg/L	0.007	0.014	EPA Method 8280
Tetrachlorodibenzo-p-furans	µg/L	0.0055	0.011	EPA Method 8280
1,1,1,2-Tetrachloroethane	µg/L	10	20	EPA Method 8240
1,1,2,2-Tetrachloroethane	µg/L	50	100	EPA Method 8240
Tetrachloroethylene	µg/L	2.5	5.0	Final PDWS (EPA, 1998a)
2,3,4,6-Tetrachlorophenol	µg/L	83.5	167	EPA Method 8270
Thallium	µg/L	1.0	2.0	Final PDWS (EPA, 1998a)
Thallium, dissolved	µg/L	1.0	2.0	Final PDWS (EPA, 1998a)
Thallium, total recoverable	µg/L	1.0	2.0	Final PDWS (EPA, 1998a)
Thionazin	µg/L	81	162	EPA Method 8270
Thorium-228	µCi/mL	6.25E-08	1.25E-07	Proposed PDWS (EPA, 1991c)
Thorium-230	µCi/mL	3.96E-08	7.92E-08	Proposed PDWS (EPA, 1991c)
Thorium-232	µCi/mL	4.4E-08	8.8E-08	Proposed PDWS (EPA, 1991c)
Thorium-234	µCi/mL	2.0E-07	4.01E-07	Proposed PDWS (EPA, 1991c)
Tin	µg/L	250	500	EPA Method 282.2
Tin, dissolved	µg/L	250	500	EPA Method 282.2
Tin, total recoverable	µg/L	250	500	EPA Method 282.2
Tin-113	µCi/mL	1.5E-07	3.0E-07	Interim Final PDWS (EPA, 1977)
Toluene	µg/L	500	1,000	Final PDWS (EPA, 1998a)
o-Toluidine	µg/L	81	162	EPA Method 8270
Total alpha-emitting radium	µCi/mL	2.5E-09	5.0E-09	Interim Final PDWS (EPA, 1977)
Total carbon	µg/L	5,000	10,000	EPA Method 9060
Total coliform	N/A	0	0	Final PDWS (EPA, 1998a)
Total dissolved solids		No flag	No flag	Set by EPD/EMS
Total hydrocarbons	µg/L	5,000	10,000	EPA Method 418.1
Total inorganic carbon	µg/L	8,350	16,700	EPA Method 9060
Total organic carbon	µg/L	500,000	1,000,000	EPA Method 9060
Total organic halogens	µg/L	50	100	EPA Method 9020
Total organic nitrogen	µg/L	500	1,000	APHA Method 420
Total petroleum hydrocarbons	µg/L	8,350	16,700	EPA Method 418.1
Total phosphates (as P)		No flag	No flag	Set by EPD/EMS
Total phosphorus		No flag	No flag	Set by EPD/EMS
Toxaphene	µg/L	1.5	3.0	Final PDWS (EPA, 1998a)
2,4,5-TP (Silvex)	µg/L	25	50	Final PDWS (EPA, 1998a)
Tributyl phosphate	µg/L	86	172	EPA Method 8270
1,2,3-Trichlorobenzene	µg/L	5	10	EPA Method 8260
1,2,4-Trichlorobenzene	µg/L	35	70	Final PDWS (EPA, 1998a)
1,1,1-Trichloroethane	µg/L	100	200	Final PDWS (EPA, 1998a)
1,1,2-Trichloroethane	µg/L	2.5	5.0	Final PDWS (EPA, 1998a)
Trichloroethylene	µg/L	2.5	5.0	Final PDWS (EPA, 1998a)
Trichlorofluoromethane	µg/L	10	20	EPA Method 8240
2,4,5-Trichlorophenol	µg/L	5.0	10	EPA Method 8270

Analyte	Unit	Flag 1	Flag 2	Source†
2,4,6-Trichlorophenol	µg/L	0.5	1.0	EPA Method 8270
2,4,5-Trichlorophenoxyacetic acid	µg/L	0.25	0.5	EPA Method 8150
1,2,3-Trichloropropane	µg/L	10	20	EPA Method 8240
Trichlorotrifluoroethane	µg/L	50	100	EPA Method 8260
O,O,O-Triethyl phosphorothioate	µg/L	81	162	EPA Method 8270
1,2,4-Trimethylbenzene	µg/L	5	10	EPA Method 8260
1,3,5- Trimethylbenzene	µg/L	5	10	EPA Method 8260
1,3,5-Trinitrobenzene	µg/L	81	162	EPA Method 8270
Tritium	µCi/mL	1.0E-05	2.0E-05	Final PDWS (EPA, 1998a)
Turbidity‡		No flag	No flag	Set by EPD/EMS
Uranium	µg/L	10	20	Proposed PDWS (EPA, 1991c)
Uranium alpha activity	Ci/mL	1.5E-08	3.0E-08	Proposed PDWS (EPA, 1991c)
Uranium, dissolved	µg/L	10	20	Proposed PDWS (EPA, 1991c)
Uranium, total recoverable	µg/L	10	20	Proposed PDWS (EPA, 1991c)
Uranium-233/234⊛	µCi/mL	6.9E-09	1.38E-08	Proposed PDWS (EPA, 1991c)
Uranium-234	µCi/mL	6.95E-09	1.39E-08	Proposed PDWS (EPA, 1991c)
Uranium-235	µCi/mL	7.25E-09	1.45E-08	Proposed PDWS (EPA, 1991c)
Uranium-238	µCi/mL	7.3E-09	1.46E-08	Proposed PDWS (EPA, 1991c)
Vanadium	µg/L	66.5	133	EPA Method 6010
Vanadium, dissolved	µg/L	66.5	133	EPA Method 6010
Vanadium, total recoverable	µg/L	66.5	133	EPA Method 6010
Vinyl acetate	µg/L	50	100	EPA Method 8240
m/p-Xylene	µg/L	81	162	EPA Method 8260
o-Xylene	µg/L	5	10	EPA Method 8260
Xylenes	µg/L	5,000	10,000	Final PDWS (EPA, 1998a)
Yttrium-88	µCi/mL	5.0E-08	1.0E-07	EPA Method 901.1
Zinc	µg/L	2,500	5,000	SDWS (EPA, 1998b)
Zinc, dissolved	µg/L	2,500	5,000	SDWS (EPA, 1998b)
Zinc, total recoverable	µg/L	2,500	5,000	SDWS (EPA, 1998b)
Zinc-65	µCi/mL	1.5E-07	3.0E-07	Interim Final PDWS (EPA, 1977)
Zirconium-95	µCi/mL	1.0E-07	2.0E-07	Interim Final PDWS (EPA, 1977)
Zirconium/Niobium-95◆	µCi/mL	1.0E-07	2.0E-07	Interim Final PDWS (EPA, 1977)

† Analytical methods are discussed in the **Analytical Data Review** section of this document; references for dated sources are in the **References** section.

◆ EMS discontinued monitoring this radionuclide because it is inappropriate for the SRS Groundwater Monitoring Program.

❖ EPD/EMS set this flagging criterion using the 1991 proposed PDWS because the final PDWS in 1977 may have been in error.

⊛ When radionuclide analyses are combined, the lower DWS of the two isotopes is used for flagging.

‡ The primary maximum contaminant level range for turbidity is 1–5 NTU, which is inappropriate for the SRS Groundwater Monitoring Program.

Note: Beginning fourth quarter 1992, samples were no longer filtered at the wells. Therefore, the methods for analyzing metals now include a digestion step. Beginning fourth quarter 1993, the laboratories were required to report all metals as total recoverable metals. Flagging criteria remain unchanged.

Appendix C

MWMF Well Network

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Table C-1. Monitoring Wells and Well Clusters at the Burial Ground Complex

Background Wells		POC Wells		Assessment Wells	
BGO 01D (UAZ-UTRA)	BGO 03A (GA)	BGO 14C(R) (LAZ-UTRA)	BGO 09AA (GA)	BGO 44B (LAZ-UTRA)	BGO 53A (GA)
BGO 02D (UAZ-UTRA)	BGO 03C (LAZ-UTRA)	BGO 14D(R) (UAZ-UTRA)	BGO 10AA (GA)	BGO 44C (LAZ-UTRA)	BGO 53B (LAZ-UTRA)
HSB 85A (GA)	BGO 03D(R) (UAZ-UTRA)	BGO 15D (UAZ-UTRA)	BGO 10B (LAZ-UTRA)	BGO 44D (UAZ-UTRA)	BGO 53C (LAZ-UTRA)
HSB 85B (LAZ-UTRA)	BGO 04D (UAZ-UTRA)	BGO 26A (GA)	BGO 16A(R) (GA)	BGO 45A (GA)	BGO 53D (UAZ-UTRA)
HSB 85C (UAZ-UTRA)	BGO 05C (LAZ-UTRA)	BGO 26D (UAZ-UTRA)	BGO 16B (LAZ-UTRA)	BGO 45B (LAZ-UTRA)	BSE 01C (LAZ-UTRA)
	BGO 05D (UAZ-UTRA)	BGO 27C (LAZ-UTRA)	BGO 16D (UAZ-UTRA)	BGO 45C (LAZ-UTRA)	BSE 01D (UAZ-UTRA)
	BGO 06A (GA)	BGO 27D (UAZ-UTRA)	BGO 17D(R) (UAZ-UTRA)	BGO 45D (UAZ-UTRA)	BSE 02C (LAZ-UTRA)
	BGO 06B (LAZ-UTRA)	BGO 28D (UAZ-UTRA)	BGO 18A (GA)	BGO 46B (LAZ-UTRA)	BSE 02D (UAZ-UTRA)
	BGO 06C (LAZ-UTRA)	BGO 30C (LAZ-UTRA)	BGO 18D (UAZ-UTRA)	BGO 46C (LAZ-UTRA)	BSE 03C (LAZ-UTRA)
	BGO 06D (UAZ-UTRA)	BGO 30D (UAZ-UTRA)	BGO 19D(R) (UAZ-UTRA)	BGO 46D (UAZ-UTRA)	BSE 03D (UAZ-UTRA)
	BGO 07D (UAZ-UTRA)	BGO 31C (LAZ-UTRA)	BGO 20AA (GA)	BGO 47A (GA)	BGX 01A (GA)
	BGO 08A(R) (GA)	BGO 31D (UAZ-UTRA)	BGO 20A (GA)	BGO 47C (LAZ-UTRA)	BGX 01C (LAZ-UTRA)
	BGO 08C (LAZ-UTRA)	BGO 32D (UAZ-UTRA)	BGO 20B (LAZ-UTRA)	BGO 47D (UAZ-UTRA)	BGX 01D (LAZ-UTRA)
	BGO 08D (UAZ-UTRA)	BGO 33C (LAZ-UTRA)	BGO 20C (LAZ-UTRA)	BGO 48C (LAZ-UTRA)	BGX 02B (LAZ-UTRA)
	BGO 09D (UAZ-UTRA)	BGO 33D (UAZ-UTRA)	BGO 20D (UAZ-UTRA)	BGO 48D (UAZ-UTRA)	BGX 02D (LAZ-UTRA)
	BGO 10A(R) (GA)	BGO 34D (UAZ-UTRA)	BGO 21D (UAZ-UTRA)	BGO 49A (GA)	BGX 03D (LAZ-UTRA)
	BGO 10C (LAZ-UTRA)	BGO 35C (LAZ-UTRA)	BGO 22D(X) (UAZ-UTRA)	BGO 49C (LAZ-UTRA)	BGX 04A (GA)
	BGO 10D(R) (UAZ-UTRA)	BGO 35D (UAZ-UTRA)	BGO 23D (UAZ-UTRA)	BGO 49D (UAZ-UTRA)	BGX 04C (LAZ-UTRA)
	BGO 11D(R) (UAZ-UTRA)	BGO 36D (UAZ-UTRA)	BGO 24D (UAZ-UTRA)	BGO 50A (GA)	BGX 04D (LAZ-UTRA)
	BGO 12A(X) (GA)	BGO 37C (LAZ-UTRA)	BGO 25A (GA)	BGO 50C (LAZ-UTRA)	BGX 05D (LAZ-UTRA)
	BGO 12C(X) (LAZ-UTRA)	BGO 37D (UAZ-UTRA)	BGO 29A (GA)	BGO 50D (UAZ-UTRA)	BGX 06D (LAZ-UTRA)
	BGO 12D(R) (UAZ-UTRA)	BGO 38D (UAZ-UTRA)	BGO 29C (LAZ-UTRA)	BGO 51AA (GA)	BGX 07D (LAZ-UTRA)
	BGO 13D(R) (LAZ-UTRA)	BGO 39A (GA)	BGO 29D (UAZ-UTRA)	BGO 51A (GA)	BGX 08D(R) (LAZ-UTRA)
	BGO 14A(R) (GA)	BGO 39C (LAZ-UTRA)	BGO 40D (UAZ-UTRA)	BGO 51B (LAZ-UTRA)	BGX 09D (UAZ-UTRA)
		BGO 39D (UAZ-UTRA)	BGO 41A (GA)	BGO 51C (LAZ-UTRA)	BGX 10D (UAZ-UTRA)
			BGO 42C (LAZ-UTRA)	BGO 51D (UAZ-UTRA)	BGX 11D (UAZ-UTRA)
			BGO 43AA (GA)	BGO 52AA (GA)	BGX 12C (LAZ-UTRA)
			BGO 43A (GA)	BGO 52A (GA)	BGX 12D (UAZ-UTRA)
			BGO 43C(R) (LAZ-UTRA)	BGO 52B (LAZ-UTRA)	HMD 01D (LAZ-UTRA)
			BGO 43D (LAZ-UTRA)	BGO 52C (LAZ-UTRA)	HMD 02D (LAZ-UTRA)
			BGO 44AA (GA)	BGO 52D (UAZ-UTRA)	HMD 03D (LAZ-UTRA)
			BGO 44A (GA)	BGO 53AA (GA)	HMD 04D (LAZ-UTRA)
			HSB 142D (UAZ-UTRA)	HSB 151C (LAZ-UTRA)	FSS 3D (UAZ-UTRA)
			HSB 142C (LAZ-UTRA)	FSS 1D (UAZ-UTRA)	FSS 4D (UAZ-UTRA)
			HSB 151D (UAZ-UTRA)	FSS 2D (UAZ-UTRA)	

NOTES: POC Point of Compliance
 (R) indicates replacement well
 (X) indicates replacement of (R)
 *See following "BSE Well Series Identification" table

Number of wells/aquifer:

- Upper Aquifer Zone of the Upper Three Runs Aquifer (UAZ-UTRA): 63
- Lower Aquifer Zone of the Upper Three Runs Aquifer (LAZ-UTRA): 61
- Gordon Aquifer (GA): 34

***BSE Well Series Identification**

EMS Id	Actual Id	EMS Id	Actual Id	EMS Id	Actual Id
BSE 01C1	BSE 01C113	BSE 02C1	BSE 02C108	BSE 03C1	BSE 03C115
BSE 01C2	BSE 01C132	BSE 02C2	BSE 02C127	BSE 03C2	BSE 03C134
BSE 01C3	BSE 01C144	BSE 02C3	BSE 02C139	BSE 03C3	BSE 03C146
BSE 01C4	BSE 01C159	BSE 02C4	BSE 02C154	BSE 03C4	BSE 03C161
BSE 01D1	BSE 01D059	BSE 02D1	BSE 02D055	BSE 03D1	BSE 03D065
BSE 01D2	BSE 01D071	BSE 02D2	BSE 02D067	BSE 03D2	BSE 03D072
BSE 01D3	BSE 01D081	BSE 02D3	BSE 02D077	BSE 03D3	BSE 03D082
BSE 01D4	BSE 01D098	BSE 02D4	BSE 02D094	BSE 03D4	BSE 03D095

Stream Surface Water Locations (Fourmile Branch, Engineered Ditch, and Old F Area Effluent Ditch)	Seepage Sampling Locations (Fourmile Branch and Old F Area Effluent Ditch)
ED01 (A)	FHB003 - 005
OFD01	FHB008
OFD02 (B)	FHB013
FM3A	FHB014
FM2B	FHB016 – 020
FMC001H	FHB022
FMC002H	FSP060 – 072
FM2D	HSP071
FMC002HD	HSP097
FHB012	HSP103
FHB024	
FHB026	
FHB030	

Appendix D

Groundwater Monitoring Results Tables

Key to Reading the Tables

The following abbreviations may appear in the data tables:

Constituents

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

Laboratories

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

Nomenclature

AZ	Aquifer Zone
CBA	Crouch Branch AZ (previously Black Creek)
LL	Lower Lost Lake AZ (previously Lower Congaree)
M	M-Area AZ (previously Water Table)
MCBC	Middle Sand AZ of the CBCU (previously Ellenton Sand)
UL	Upper Lost Lake AZ (previously Upper Congaree)

Sampling Codes

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

X	equipment failure; water-level measurements were obtained 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	<i>dilution factor</i> column in data tables
E	exponential notation (e.g., $1.1\text{E}-09 = 1.1 \times 10^{-9} = 0.0000000011$)
GWPS	groundwater protection standard
H	<i>holding time</i> column in data tables
MCS	monitoring constituents standard
Mod	<i>modifier</i> column in data tables
PDWS	primary drinking water standard
PVC	polyvinyl chloride
ST	<i>exceeded the GWPS or MCS</i> column in data tables
TOC	top of casing

Results below Detection

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

Holding Times

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

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

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

Data Rounding

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

Data Qualification

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

Modifiers

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

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

Table D-1. Synchronous Water Elevations 1999

<u>Well Name</u>	<u>2Q99 (ft msl)</u>	<u>4Q99 (ft msl)</u>	<u>Aquifer</u>
BGO 4D			Upper Aquifer Zone-Upper Three Runs Aquifer
BGO 5D	229.45	228.84	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO 6D	230.06	229.46	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO 7D	230.57	229.78	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO 8D	230.71	229.99	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO 9D	228.41	227.67	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO10DR	230.58	229.61	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO11DR	230.37	229.15	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO12DR	219.75	218.59	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO14DR	229.43	228.31	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO15D	228.93	227.85	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO16D	229.81	228.82	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO17DR	230.45	229.50	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO18D	230.92	230.00	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO19DR	230.90	230.03	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO20D	232.25	231.68	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO21D	233.20	232.72	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO22DX	233.75	233.37	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO23D	234.85	234.54	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO24D	236.20	235.95	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO26D	226.51	225.61	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO27D	225.98	225.12	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO28D	224.64	223.78	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO29D	224.62	223.74	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO30D	224.03	223.20	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO31D	224.85	224.12	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO32D	227.95	224.93	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO33D	228.76		Upper Aquifer Zone-Upper Three Runs Aquifer
BGO34D	230.82	229.49	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO35D	232.90	231.90	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO36D	235.72	235.72	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO37D	238.30	238.98	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO38D	236.85	237.82	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO39D	235.80	235.50	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO3DR	231.20	230.64	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO40D	221.12	220.08	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO44D	230.90	230.31	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO45D	225.99	225.22	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO46D	223.45	222.65	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO47D	224.20	223.51	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO48D	224.55	223.89	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO49D	231.60		Upper Aquifer Zone-Upper Three Runs Aquifer
BGO50D	223.29	222.51	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO51D	234.65	234.50	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO52D	232.65	232.18	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO53D	228.96	228.02	Upper Aquifer Zone-Upper Three Runs Aquifer
BGX 1D	228.35	227.73	Upper Aquifer Zone-Upper Three Runs Aquifer
BGX 9D	225.68	225.39	Upper Aquifer Zone-Upper Three Runs Aquifer

<u>Well Name</u>	<u>2Q99 (ft msl)</u>	<u>4Q99 (ft msl)</u>	<u>Aquifer</u>
BGX10D	224.58	224.22	Upper Aquifer Zone-Upper Three Runs Aquifer
BGX11D	232.93	232.92	Upper Aquifer Zone-Upper Three Runs Aquifer
BGX12D	236.29	236.08	Upper Aquifer Zone-Upper Three Runs Aquifer
BSE1D059	236.02		Upper Aquifer Zone-Upper Three Runs Aquifer
BSE1D059	236.02		Upper Aquifer Zone-Upper Three Runs Aquifer
BSE1D059	236.08		Upper Aquifer Zone-Upper Three Runs Aquifer
BSE1D059	236.02		Upper Aquifer Zone-Upper Three Runs Aquifer
BSE1D071			Upper Aquifer Zone-Upper Three Runs Aquifer
BSE1D081			Upper Aquifer Zone-Upper Three Runs Aquifer
BSE1D098	233.91		Upper Aquifer Zone-Upper Three Runs Aquifer
BSE1D098	233.82		Upper Aquifer Zone-Upper Three Runs Aquifer
BSE1D098	234.07		Upper Aquifer Zone-Upper Three Runs Aquifer
BSE1D098	234.22		Upper Aquifer Zone-Upper Three Runs Aquifer
BSE2D055	234.82		Upper Aquifer Zone-Upper Three Runs Aquifer
BSE2D055	234.92		Upper Aquifer Zone-Upper Three Runs Aquifer
BSE2D055	235.08		Upper Aquifer Zone-Upper Three Runs Aquifer
BSE2D055	235.31		Upper Aquifer Zone-Upper Three Runs Aquifer
BSE2D067			Upper Aquifer Zone-Upper Three Runs Aquifer
BSE2D077			Upper Aquifer Zone-Upper Three Runs Aquifer
BSE2D094	230.73		Upper Aquifer Zone-Upper Three Runs Aquifer
BSE2D094	231.01		Upper Aquifer Zone-Upper Three Runs Aquifer
BSE2D094	231.16		Upper Aquifer Zone-Upper Three Runs Aquifer
BSE2D094	231.06		Upper Aquifer Zone-Upper Three Runs Aquifer
BSE3D065			Upper Aquifer Zone-Upper Three Runs Aquifer
BSE3D072			Upper Aquifer Zone-Upper Three Runs Aquifer
BSE3D082			Upper Aquifer Zone-Upper Three Runs Aquifer
BSE3D095	230.64		Upper Aquifer Zone-Upper Three Runs Aquifer
BSE3D095	230.32		Upper Aquifer Zone-Upper Three Runs Aquifer
BSE3D095	230.70		Upper Aquifer Zone-Upper Three Runs Aquifer
BSE3D095	230.85		Upper Aquifer Zone-Upper Three Runs Aquifer
FSS1D	222.17	221.51	Upper Aquifer Zone-Upper Three Runs Aquifer
FSS2D	221.50	214.88	Upper Aquifer Zone-Upper Three Runs Aquifer
FSS3D	219.38	218.77	Upper Aquifer Zone-Upper Three Runs Aquifer
FSS4D	218.69	218.00	Upper Aquifer Zone-Upper Three Runs Aquifer
HSB142D	196.69	197.02	Upper Aquifer Zone-Upper Three Runs Aquifer
HSB151D	205.28	205.32	Upper Aquifer Zone-Upper Three Runs Aquifer
BGO 3C	224.75	224.21	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO 5C	214.18	213.51	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO 6B	217.75	217.00	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO 6C	218.87	218.09	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO 8C	222.11	221.16	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO10B	218.49	217.24	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO10C	219.47	218.27	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO12CX	230.27	228.93	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO13DR	230.10	228.78	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO14CR	222.43	221.39	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO16B	217.30	216.50	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO20B	227.10	226.60	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO20C	228.53	228.01	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO27C	218.75		Lower Aquifer Zone-Upper Three Runs Aquifer

<u>Well Name</u>	<u>2Q99 (ft msl)</u>	<u>4Q99 (ft msl)</u>	<u>Aquifer</u>
BGO29C	221.49	220.39	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO30C	218.23	217.41	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO31C	223.85	223.00	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO33C	223.60	222.94	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO35C	228.74	228.38	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO37C	231.88	231.50	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO39C	232.20	231.47	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO42C	222.08	221.01	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO43CR	224.07	222.34	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO43D	230.39	229.07	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO44B	219.86	218.85	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO44C	219.65	218.60	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO45B	217.92	216.92	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO45C	221.69	220.72	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO46B	216.60	215.85	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO46C	218.00	217.30	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO47C	221.26	220.58	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO48C	221.95	221.30	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO49C	227.86	227.01	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO50C	217.35	216.64	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO51B	230.38	230.03	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO51C	231.17	230.85	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO52B	228.07	227.55	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO52C	229.25	228.80	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO53B	220.65	219.79	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO53C	221.95	221.07	Lower Aquifer Zone-Upper Three Runs Aquifer
BGX 1C	214.28	213.41	Lower Aquifer Zone-Upper Three Runs Aquifer
BGX 2B	211.31	209.72	Lower Aquifer Zone-Upper Three Runs Aquifer
BGX 2D	213.93	212.78	Lower Aquifer Zone-Upper Three Runs Aquifer
BGX 3D	213.66	212.38	Lower Aquifer Zone-Upper Three Runs Aquifer
BGX 4C	212.98	211.53	Lower Aquifer Zone-Upper Three Runs Aquifer
BGX 4D	214.22	212.72	Lower Aquifer Zone-Upper Three Runs Aquifer
BGX 5D	207.35	206.17	Lower Aquifer Zone-Upper Three Runs Aquifer
BGX 6D	204.22	203.30	Lower Aquifer Zone-Upper Three Runs Aquifer
BGX 7D	204.17	203.32	Lower Aquifer Zone-Upper Three Runs Aquifer
BGX 8DR			Lower Aquifer Zone-Upper Three Runs Aquifer
BGX12C	233.34	233.05	Lower Aquifer Zone-Upper Three Runs Aquifer
BSE1C113	230.25		Lower Aquifer Zone-Upper Three Runs Aquifer
BSE1C113	230.36		Lower Aquifer Zone-Upper Three Runs Aquifer
BSE1C113	230.57		Lower Aquifer Zone-Upper Three Runs Aquifer
BSE1C113	230.65		Lower Aquifer Zone-Upper Three Runs Aquifer
BSE1C132			Lower Aquifer Zone-Upper Three Runs Aquifer
BSE1C144			Lower Aquifer Zone-Upper Three Runs Aquifer
BSE1C159	230.13		Lower Aquifer Zone-Upper Three Runs Aquifer
BSE1C159	230.23		Lower Aquifer Zone-Upper Three Runs Aquifer
BSE1C159	230.44		Lower Aquifer Zone-Upper Three Runs Aquifer
BSE1C159	230.50		Lower Aquifer Zone-Upper Three Runs Aquifer
BSE2C108	228.88		Lower Aquifer Zone-Upper Three Runs Aquifer
BSE2C108	229.29		Lower Aquifer Zone-Upper Three Runs Aquifer
BSE2C108	229.42		Lower Aquifer Zone-Upper Three Runs Aquifer

<u>Well Name</u>	<u>2Q99 (ft msl)</u>	<u>4Q99 (ft msl)</u>	<u>Aquifer</u>
BSE2C108	229.13		Lower Aquifer Zone-Upper Three Runs Aquifer
BSE2C127			Lower Aquifer Zone-Upper Three Runs Aquifer
BSE2C139			Lower Aquifer Zone-Upper Three Runs Aquifer
BSE2C154	229.48		Lower Aquifer Zone-Upper Three Runs Aquifer
BSE2C154	229.76		Lower Aquifer Zone-Upper Three Runs Aquifer
BSE2C154	230.04		Lower Aquifer Zone-Upper Three Runs Aquifer
BSE2C154	229.97		Lower Aquifer Zone-Upper Three Runs Aquifer
BSE3C115	228.49		Lower Aquifer Zone-Upper Three Runs Aquifer
BSE3C115	228.28		Lower Aquifer Zone-Upper Three Runs Aquifer
BSE3C115	228.51		Lower Aquifer Zone-Upper Three Runs Aquifer
BSE3C115	228.58		Lower Aquifer Zone-Upper Three Runs Aquifer
BSE3C134			Lower Aquifer Zone-Upper Three Runs Aquifer
BSE3C146			Lower Aquifer Zone-Upper Three Runs Aquifer
BSE3C161	222.99		Lower Aquifer Zone-Upper Three Runs Aquifer
BSE3C161	223.10		Lower Aquifer Zone-Upper Three Runs Aquifer
BSE3C161	223.17		Lower Aquifer Zone-Upper Three Runs Aquifer
BSE3C161	223.02		Lower Aquifer Zone-Upper Three Runs Aquifer
HMD1D	207.50	206.44	Lower Aquifer Zone-Upper Three Runs Aquifer
HMD1D	207.52	206.44	Lower Aquifer Zone-Upper Three Runs Aquifer
HMD2D	198.76	198.10	Lower Aquifer Zone-Upper Three Runs Aquifer
HMD2D	198.70	198.10	Lower Aquifer Zone-Upper Three Runs Aquifer
HMD3D	198.19	197.69	Lower Aquifer Zone-Upper Three Runs Aquifer
HMD3D	198.19	197.69	Lower Aquifer Zone-Upper Three Runs Aquifer
HMD4D	198.78	198.18	Lower Aquifer Zone-Upper Three Runs Aquifer
HMD4D	198.75	198.18	Lower Aquifer Zone-Upper Three Runs Aquifer
HSB142C	197.93	198.02	Lower Aquifer Zone-Upper Three Runs Aquifer
HSB151C	206.14	206.13	Lower Aquifer Zone-Upper Three Runs Aquifer
BGO 3A	162.75	162.22	Gordon Aquifer Unit
BGO 6A	159.15	158.68	Gordon Aquifer Unit
BGO 8AR	158.97	158.94	Gordon Aquifer Unit
BGO 9AA	157.15	157.14	Gordon Aquifer Unit
BGO10AA	157.53	156.92	Gordon Aquifer Unit
BGO10AR	158.15	157.50	Gordon Aquifer Unit
BGO12AX	157.22	156.56	Gordon Aquifer Unit
BGO14AR	158.64	157.97	Gordon Aquifer Unit
BGO16AR	160.83	160.21	Gordon Aquifer Unit
BGO18A	161.15	160.51	Gordon Aquifer Unit
BGO20A	162.69	162.08	Gordon Aquifer Unit
BGO20AA	161.29	160.71	Gordon Aquifer Unit
BGO25A	161.05	159.82	Gordon Aquifer Unit
BGO26A	159.05	157.93	Gordon Aquifer Unit
BGO29A	159.64	158.83	Gordon Aquifer Unit
BGO39A	167.35	166.52	Gordon Aquifer Unit
BGO41A	159.26	158.86	Gordon Aquifer Unit
BGO43A	156.95	157.31	Gordon Aquifer Unit
BGO43AA	156.29	155.67	Gordon Aquifer Unit
BGO44A	158.35	157.75	Gordon Aquifer Unit
BGO44AA	158.35	157.86	Gordon Aquifer Unit
BGO45A	160.45	159.69	Gordon Aquifer Unit
BGO47A	162.05	161.51	Gordon Aquifer Unit

<u>Well Name</u>	<u>2Q99 (ft msl)</u>	<u>4Q99 (ft msl)</u>	<u>Aquifer</u>
BGO49A	165.18	164.33	Gordon Aquifer Unit
BGO50A	160.24	159.70	Gordon Aquifer Unit
BGO51A	165.54	164.84	Gordon Aquifer Unit
BGO51AA	168.09	167.29	Gordon Aquifer Unit
BGO52A	163.60	162.92	Gordon Aquifer Unit
BGO52AA	162.85	162.19	Gordon Aquifer Unit
BGO53A	158.86	158.25	Gordon Aquifer Unit
BGO53AA			Gordon Aquifer Unit
BGX 1A	157.77	157.28	Gordon Aquifer Unit
BGX 4A	154.95	154.36	Gordon Aquifer Unit

Notes:

- a - Second quarter synchronous measurements were collected between 6/2/99 to 6/30/99
- b - Fourth quarter synchronous measurements were collected between 12/6/99 to 12/30/99

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Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 3A**

<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>
N 75561.7 E 58806.8	33.28884 Deg N -81.6587 Deg W	113.7 - 103.7 ft msl	291.9 ft msl	2 " PVC	V	GA

<u>SAMPLE DATE</u>	05/18/99	11/03/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	162.95	162.02	ft msl
pH	6.6	6.7	pH
Sp. Conductance	120	124	uS/cm
Water temperature	21.9	20	deg. C
Total Alkalinity as CaCO ₃	38	40	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity	.2	.5	NTU
Volumes purged	2.88	2.51	well volume
Sampling code			
Synchronous water level	162.8 (06/24/99)	162.2 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	80.1	< 2000		72.7	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	3	NDD	J	2.5	NDD	J	1	ug/L	WA
		Copper, total recoverable	2.4	NDD	J	1.8	NDD	J	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	<3	< EQL	U	2.6	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	2.6	NDD	J	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	1.2	NDD	J	<5	< EQL	U	1	ug/L	WA
		Sulfate	5420	< 400000		5500	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	81000	NDD	J	104000			1	ug/L	WA
		Zinc, total recoverable	<53	< EQL	U	<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<23.9	< EQL	U	<5.35	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	572	NDD	J	286	NDD	J	1	ug/L	WA
		Total organic halogens	<120	< EQL	U	24.1	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 3A

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	1.6	NDD	J	1.15	NDD	J	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	1.37	< EQL	U	-1.97	< EQL	U	1	pCi/L	GP
		Gross alpha	1.37	NDD	J	1.81	NDD	J	1	pCi/L	GP
		Nonvolatile beta	1.18	< EQL	U	2.62	NDD	J	1	pCi/L	GP
		Radium-226				.26	< EQL	U	1	pCi/L	GP
		Radium-228				.818	< EQL	U	1	pCi/L	GP
		Strontium-90	-.235	< EQL	U	.733	< EQL	U	1	pCi/L	GP
+		Tritium	151	> 20		129	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 3C**

<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>
N 75550.4 E 58806.4	33.28882 Deg N -81.6587 Deg W	188.7 - 178.7 ft msl	291.9 ft msl	2 " PVC	V	LAZ_UTRA

<u>SAMPLE DATE</u>	05/19/99	11/03/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	224.75	224.4	ft msl
pH	8.6	7.4	pH
Sp. Conductance	27	26	uS/cm
Water temperature	19.5	20.2	deg. C
Total Alkalinity as CaCO ₃	10	6	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity	2.8	.9	NTU
Volumes purged	.265	2.27	well volume
Sampling code	X		
Synchronous water level	224.8 (06/24/99)	224.2 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	8.8	< 2000		6.6	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	41	NDD	J	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	4.6	NDD	J	3.1	NDD	J	1	ug/L	WA
		Copper, total recoverable	3.6	NDD	J	8.9	NDD	J	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	<1.9	< EQL	U	1.6	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	3.7	NDD	J	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<1	< EQL	JU	1	ug/L	WA
		Sulfate	1020	< 400000		993	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	27000	NDD	J	38000	NDD	J	1	ug/L	WA
		Zinc, total recoverable	5.3	NDD	J	6.9	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<5	< EQL	U	<5.3	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	<1000	< EQL	U	414	NDD	J	1	ug/L	WA
		Total organic halogens	<120	< EQL	U	<120	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 3C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	-1.19	< EQL	JU	-4.12	< EQL	U	1	pCi/L	GP
		Gross alpha	.312	< EQL	U	.321	< EQL	U	1	pCi/L	GP
		Nonvolatile beta	.916	< EQL	U	.724	< EQL	U	1	pCi/L	GP
		Radium-226				.272	< EQL	U	1	pCi/L	GP
		Radium-228				.6	< EQL	U	1	pCi/L	GP
		Strontium-90	.279	< EQL	JU	.247	< EQL	U	1	pCi/L	GP
		Tritium	8.79	NDD	J	10.5	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 3DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 75512.3 E 58820	33.28876 Deg N -81.6586 Deg W	237.6 - 217.5 ft msl	291.5 ft msl	2 " PVC	V	UAZ_UTRA

SAMPLE DATE	05/24/99	11/18/99
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FIELD DATA

Parameter	2Q99	4Q99	Unit
Water Elevation	231.44	230.53	ft msl
pH	4.6	4.2	pH
Sp. Conductance	32	30	uS/cm
Water temperature	23	18.5	deg. C
Total Alkalinity as CaCO ₃		0	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity	.9	.8	NTU
Volumes purged	10.7	12.0	well volume
Sampling code			
Synchronous water level	231.2 (06/24/99)	230.6 (12/09/99)	ft msl

ANALYTICAL DATA

H	ST	Parameter	2Q99	Filt	Mod	4Q99	Filt	Mod	DF	Unit	Lab
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<4.5	< EQL	U	1	ug/L	WA
		Barium, total recoverable	14.1	< 2000		14.7	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	2.3	NDD	J	1.9	NDD	J	1	ug/L	WA
		Copper, total recoverable	<12.8	< EQL	U	26.8	< 1000		1	ug/L	WA
		Lead, total recoverable	10	NDD	J	5.8	NDD	J	1	ug/L	WA
		Lithium, total recoverable	.41	NDD	J	1.5	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	<26	< EQL	U	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	383	< 400000		375	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	25000	NDD	J	38000			1	ug/L	WA
		Zinc, total recoverable	9.4	NDD	J	20.6	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<5.09	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	1720	< 1000000		258	NDD	J	1	ug/L	WA
		Total organic halogens	57.9	NDD	J	37	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 3DR

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene	56	> 5		26.7	> 5		1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	2.33	< EQL	U	4.3	< EQL	U	1	pCi/L	GP
		Gross alpha	2.05	NDD	J	2.88	NDD	J	1	pCi/L	GP
		Nonvolatile beta	1.87	NDD	J	2.47	NDD	J	1	pCi/L	GP
		Radium-226				2.59	NDD	J	1	pCi/L	GP
		Radium-228				-.0172	< EQL	U	1	pCi/L	GP
		Strontium-90	.814	< EQL	U	-.0736	< EQL	JU	1	pCi/L	GP
+		Tritium	2070	> 20		1180	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 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>
N 76150.1 E 58803.7	33.29014 Deg N -81.6599 Deg W	240.6 - 220.6 ft msl	297.5 ft msl	4 " PVC	S	UAZ_UTRA

<u>SAMPLE DATE</u>	05/18/99	11/03/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	230.5	Not Available	ft msl
pH	5.6	5.5	pH
Sp. Conductance	24	29	uS/cm
Water temperature	20.4	18.6	deg. C
Total Alkalinity as CaCO ₃		3	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity	4.1	8.1	NTU
Volumes purged	.154		well volume
Sampling code	X	NX	
Synchronous water level			ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<4	< EQL	JU	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	7.9	< 2000		7.3	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	14.9	< 100		13.3	< 100		1	ug/L	WA
		Copper, total recoverable	7	NDD	J	5.3	NDD	J	1	ug/L	WA
		Lead, total recoverable	13.9	NDD	J	10.6	NDD	J	1	ug/L	WA
		Lithium, total recoverable	<1.1	< EQL	U	.86	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	9.3	NDD	J	8.3	NDD	J	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	809	< 400000		699	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	27000	NDD	J	48000	NDD	J	1	ug/L	WA
		Zinc, total recoverable	18.9	NDD	J	20.1	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<12.3	< EQL	U	<5.08	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	637	NDD	J	265	NDD	J	1	ug/L	WA
		Total organic halogens	<120	< EQL	U	<120	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 4D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	3.46	< EQL	U	-3.86	< EQL	U	1	pCi/L	GP
		Gross alpha	2.71	< 15		2.35	< 15		1	pCi/L	GP
		Nonvolatile beta	2.87	< 50		2.81	< 50		1	pCi/L	GP
		Radium-226				1.18	< EQL	U	1	pCi/L	GP
		Radium-228				.967	< EQL	U	1	pCi/L	GP
		Strontium-90	-.231	< EQL	U	.537	< EQL	U	1	pCi/L	GP
+		Tritium	223	> 20		206	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 5C**

<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>
N 76476.9 E 58794.5	33.29085 Deg N -81.6605 Deg W	193.2 - 183.2 ft msl	296.1 ft msl	4 " PVC	S	LAZ_UTRA

<u>SAMPLE DATE</u>	05/18/99	11/03/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	214.42	213.82	ft msl
pH	6.2	5.9	pH
Sp. Conductance	34	38	uS/cm
Water temperature	21.9	20.4	deg. C
Total Alkalinity as CaCO ₃	8	6	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity	4.7	2.4	NTU
Volumes purged	.293	0	well volume
Sampling code	X	NX	
Synchronous water level	214.2 (06/24/99)	213.5 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	17.1	< 2000		10.2	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	44.8	NDD	J	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	8.5	< 100		6.9	NDD	J	1	ug/L	WA
		Copper, total recoverable	6.6	NDD	J	2.1	NDD	J	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	13.9	NDD	J	1	ug/L	WA
		Lithium, total recoverable	<1.6	< EQL	U	1.8	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	2.6	NDD	J	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	587	< 400000		562	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	54000	NDD	J	59000			1	ug/L	WA
		Zinc, total recoverable	18.5	NDD	J	15.4	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<14.2	< EQL	U	<5.51	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	877	NDD	J	1220	< 1000000		1	ug/L	WA
		Total organic halogens	<120	< EQL	U	<120	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 5C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	-1.03	< EQL	U	-1.59	< EQL	U	1	pCi/L	GP
		Gross alpha	-.0365	< EQL	U	.468	< EQL	U	1	pCi/L	GP
		Nonvolatile beta	.662	< EQL	U	.815	< EQL	U	1	pCi/L	GP
		Radium-226				.694	< EQL	U	1	pCi/L	GP
		Radium-228				-.153	< EQL	U	1	pCi/L	GP
		Strontium-90	-.188	< EQL	U	-.0912	< EQL	U	1	pCi/L	GP
+		Tritium	54.9	> 20		68.1	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 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>
N 76477.5 E 58784.8	33.29083 Deg N -81.6606 Deg W	239.3 - 219.3 ft msl	296.3 ft msl	4 " PVC	S	UAZ_UTRA

<u>SAMPLE DATE</u>	<u>05/24/99</u>	<u>11/30/99</u>
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	229.65	228.4	ft msl
pH	4.7	4.1	pH
Sp. Conductance	44	41	uS/cm
Water temperature	23.1	23.1	deg. C
Total Alkalinity as CaCO3	0	0	mg/L
Phenolphthalein Alkalinity as CaCO3	0	0	mg/L
Turbidity	5.1	7.8	NTU
Volumes purged	.147	1.17	well volume
Sampling code	X	NX	
Synchronous water level	229.5 (06/24/99)	228.8 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	46.9	< 2000		42.4	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	27	NDD	J	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	7.3	< 100		<2.7	< EQL	U	1	ug/L	WA
		Copper, total recoverable	<38.3	< EQL	U	23.8	< 1000		1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	5.3	NDD	J	1	ug/L	WA
		Lithium, total recoverable	.4	NDD	J	.57	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	5.3	NDD	J	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<.54	< EQL	JU	1	ug/L	WA
		Sulfate	408	< 400000		349	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	54000	NDD	J	53000	NDD	J	1	ug/L	WA
		Zinc, total recoverable	14.1	NDD	J	18.1	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	2.72	NDD	J	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<4.68	< EQL	U	<4.86	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	3040	< 1000000		1590	NDD	J	1	ug/L	WA
		Total organic halogens	14.1	NDD	J	31.2	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 5D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	.915	NDD	J	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	1.32	< EQL	U	3.58	< EQL	U	1	pCi/L	GP
		Gross alpha	2.14	NDD	J	4.38	< 15		1	pCi/L	GP
		Nonvolatile beta	2.46	NDD	J	2.53	NDD	J	1	pCi/L	GP
		Radium-226				2.54	< EQL	U	1	pCi/L	GP
		Radium-228				1	NDD	J	1	pCi/L	GP
		Strontium-90	.0127	< EQL	U	-.274	< EQL	JU	1	pCi/L	GP
		Tritium	7680	> 20						pCi/mL	

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 6A**

<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>
N 76487.2 E 58316.8	33.29009 Deg N -81.6618 Deg W	117.5 - 107.5 ft msl	285.6 ft msl	4 " PVC	S	GA

SAMPLE DATE 11/17/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	158.8	ft msl
pH		7.2	pH
Sp. Conductance		296	uS/cm
Water temperature		18.8	deg. C
Total Alkalinity as CaCO ₃		144	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.4	NTU
Volumes purged		2.51	well volume
Sampling code			
Synchronous water level	159.2 (06/24/99)	158.7 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				42.6	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<7	< EQL	U	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				1.6	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				8900	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				206000			1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5.12	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				13700	< 1000000		1	ug/L	WA
		Total organic halogens				28.4	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 6A

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				38.4	< 2000		1	pCi/L	GP
		Gross alpha				.591	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				.563	< EQL	U	1	pCi/L	GP
		Radium-226				1.26	< EQL	U	1	pCi/L	GP
		Radium-228				.222	< EQL	U	1	pCi/L	GP
		Strontium-90				.147	< EQL	U	1	pCi/L	GP
		Tritium				.117	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 6B

<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>
N 76553.2 E 58346.5	33.29029 Deg N -81.6619 Deg W	149.7 - 139.7 ft msl	286.8 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE	05/19/99	11/03/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	217.11	217.25	ft msl
pH	11.2	10.9	pH
Sp. Conductance	420	439	uS/cm
Water temperature	20.5	18.8	deg. C
Total Alkalinity as CaCO3	85	103	mg/L
Phenolphthalein Alkalinity as CaCO3	77	85	mg/L
Turbidity	1.3	2.4	NTU
Volumes purged	.020	0	well volume
Sampling code	X	NX	
Synchronous water level	217.8 (06/24/99)	217 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	324	< 2000		67.5	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	2.7	NDD	J	2.8	NDD	J	1	ug/L	WA
		Copper, total recoverable	<15	< EQL	U	<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	194	< 250		16.3	< 250		1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	<26	< EQL	U	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	2210	< 400000		1860	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	60000	NDD	J	<126000	< EQL	U	1	ug/L	WA
		Zinc, total recoverable	18.6	NDD	J	14.1	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<5	< EQL	U	<5.26	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	2420	< 1000000		<326	< EQL	U	1	ug/L	WA
		Total organic halogens	<120	< EQL	U	13.2	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 6B

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	2.05	< EQL	JU	1.62	< EQL	U	1	pCi/L	GP
		Gross alpha	1.6	NDD	J	1.7	NDD	J	1	pCi/L	GP
		Nonvolatile beta	2.6	NDD	J	1.13	NDD	J	1	pCi/L	GP
		Radium-226				.708	< EQL	U	1	pCi/L	GP
		Radium-228				.0814	< EQL	U	1	pCi/L	GP
		Strontium-90	.438	< EQL	JU	.489	< EQL	U	1	pCi/L	GP
		Tritium	127	> 20	J	13.1	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 6C**

<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>
N 76487.1 E 58307	33.29008 Deg N -81.6618 Deg W	168 - 158 ft msl	285.6 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE	05/18/99	11/20/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	219.03	218.24	ft msl
pH	7.2	6.8	pH
Sp. Conductance	120	116	uS/cm
Water temperature	20	19.6	deg. C
Total Alkalinity as CaCO3	47	54	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity	.6	.4	NTU
Volumes purged	2.71	2.74	well volume
Sampling code			
Synchronous water level	218.9 (06/24/99)	218.1 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Flt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Flt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	9.6	< 2000		11.4	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	2.2	NDD	J	2.2	NDD	J	1	ug/L	WA
		Copper, total recoverable	2.1	NDD	J	<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	<.79	< EQL	U	.95	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	<26	< EQL	U	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	566	< 400000		<558	< EQL	U	1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	90000	NDD	J	<54000	< EQL	JU	1	ug/L	WA
		Zinc, total recoverable	<53	< EQL	U	<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U					ug/L	
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<13.4	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	1.43	NDD	J	1.82	NDD	J	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	1270	< 1000000		<249	< EQL	U	1	ug/L	WA
		Total organic halogens	14	NDD	J	18.7	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 6C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	3.5	NDD	J	4.15	NDD	J	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	6.88	< EQL	U	3.48	< EQL	U	1	pCi/L	GP
		Gross alpha	.501	< EQL	U	.638	< EQL	U	1	pCi/L	GP
		Nonvolatile beta	.628	< EQL	U	.365	< EQL	U	1	pCi/L	GP
		Radium-226				.993	NDD	J	1	pCi/L	GP
		Radium-228				.0398	< EQL	U	1	pCi/L	GP
		Strontium-90	.338	< EQL	U	-.238	< EQL	U	1	pCi/L	GP
+		Tritium	686	> 20		678	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 6D

<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>
N 76487.3 E 58297.1	33.29006 Deg N -81.6619 Deg W	237.2 - 217.2 ft msl	285.5 ft msl	4 " PVC	S	UAZ_UTRA

SAMPLE DATE	05/24/99	11/18/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	230.25	229.32	ft msl
pH	5.9	5.6	pH
Sp. Conductance	160	64	uS/cm
Water temperature	24.9	21.5	deg. C
Total Alkalinity as CaCO3	40	25	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity	12.5	2.1	NTU
Volumes purged	.593	2.56	well volume
Sampling code	X		
Synchronous water level	230.1 (06/24/99)	229.5 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	24.8	< 2000		17.5	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	1.9	NDD	J	1.3	NDD	J	1	ug/L	WA
		Copper, total recoverable	<9.4	< EQL	U	3	NDD	J	1	ug/L	WA
		Lead, total recoverable	11	NDD	J	5.9	NDD	J	1	ug/L	WA
		Lithium, total recoverable	.37	NDD	J	.84	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	<26	< EQL	U	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	843	< 400000		<408	< EQL	U	1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	67000	NDD	J	<51000	< EQL	JU	1	ug/L	WA
		Zinc, total recoverable	22	NDD	J	20	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	1.37	NDD	J	1.28	NDD	J	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	5.88	< 20		6.83	< 20		1	ug/L	WA
+		1,1-Dichloroethylene	8.54	> 7		9.88	> 7		1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	1.46	NDD	J	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	4.81	NDD	J	<4.99	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<4.82	< EQL	U	<9.1	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
+		Tetrachloroethylene	19.7	> 5		22.4	> 5		1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	1670	< 1000000		<262	< EQL	U	1	ug/L	WA
+		Total organic halogens	211	> 100		228	> 100		1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 6D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene	185	> 5		177	> 5		1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	6.74	< EQL	U	-1.03	< EQL	U	1	pCi/L	GP
		Gross alpha	.935	< EQL	U	.636	< EQL	U	1	pCi/L	GP
		Nonvolatile beta	.942	< EQL	U	.426	< EQL	U	1	pCi/L	GP
		Radium-226				.306	< EQL	U	1	pCi/L	GP
		Radium-228				.225	< EQL	U	1	pCi/L	GP
		Strontium-90	-.865	< EQL	U	.334	< EQL	U	1	pCi/L	GP
+		Tritium	1090	> 20		1220	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 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>
N 76494.5 E 57197.2	33.28946 Deg N -81.6629 Deg W	240.2 - 220.2 ft msl	287 ft msl	4 " PVC	S	UAZ_UTRA

<u>SAMPLE DATE</u>	05/25/99	11/15/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	230.65	230.03	ft msl
pH	4.8	4.9	pH
Sp. Conductance	28	25	uS/cm
Water temperature	20	20.8	deg. C
Total Alkalinity as CaCO ₃		1	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity	.6	.3	NTU
Volumes purged	9.52	3.17	well volume
Sampling code			
Synchronous water level	230.6 (06/25/99)	229.8 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	6.6	< 2000		6.3	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	<7	< EQL	U	<7	< EQL	U	1	ug/L	WA
		Copper, total recoverable	<15	< EQL	U	2	NDD	J	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	.72	NDD	J	1.2	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	<26	< EQL	U	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<.61	< EQL	JU	1	ug/L	WA
		Sulfate	935	< 400000		1110	NDD	J	1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	9000	NDD	J	14000	NDD	J	1	ug/L	WA
		Zinc, total recoverable	<53	< EQL	U	<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U					ug/L	
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	1.66	NDD	J	<1.06	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<4.54	< EQL	U	<4.85	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	5.73	> 5		4.02	NDD	J	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	423	NDD	J	545	NDD	J	1	ug/L	WA
		Total organic halogens	76.1	NDD	J	65	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in Italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 7D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene	65.4	> 5		40.8	> 5		1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	-.77	< EQL	U	3.94	< EQL	U	1	pCi/L	GP
		Gross alpha	1.43	NDD	J	1.17	NDD	J	1	pCi/L	GP
		Nonvolatile beta	1.19	< EQL	U	.809	< EQL	U	1	pCi/L	GP
		Radium-226				2.79	NDD	J	1	pCi/L	GP
		Radium-228				.74	< EQL	U	1	pCi/L	GP
		Strontium-90	.482	< EQL	U	-.125	< EQL	U	1	pCi/L	GP
+		Tritium	199	> 20	J	227	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 8C**

<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>
N 76579.2 E 57618.7	33.28916 Deg N -81.6638 Deg W	184.3 - 174.3 ft msl	287.9 ft msl	4 " PVC	S	LAZ_UTRA

<u>SAMPLE DATE</u>	<u>05/18/99</u>	<u>11/20/99</u>
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	222.4	221.35	ft msl
pH	5.8	6.8	pH
Sp. Conductance	84	87	uS/cm
Water temperature	21	20	deg. C
Total Alkalinity as CaCO3	40	36	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity	.6	.8	NTU
Volumes purged	2.99	5.23	well volume
Sampling code			
Synchronous water level	222.1 (06/25/99)	221.2 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<2.7	< EQL	JU	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<4.1	< EQL	U	1	ug/L	WA
		Barium, total recoverable	6.8	< 2000		6.7	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	3.3	NDD	J	2.6	NDD	J	1	ug/L	WA
		Copper, total recoverable	14.5	NDD	J	6.4	NDD	J	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	<2.8	< EQL	U	3	< 250		1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	2.9	NDD	J	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<.97	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Sulfate	1050	< 400000		946	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	76000	NDD	J	<45000	< EQL	JU	1	ug/L	WA
		Zinc, total recoverable	30.2	NDD	J	21.9	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,1,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<14.2	< EQL	U	<8.06	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	43.4	Rejected	R	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	382	NDD	J	<395	< EQL	U	1	ug/L	WA
		Total organic halogens	<120	< EQL	U	14.1	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 8C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	14.3	NDD	J	10.2	NDD	J	1	pCi/L	GP
		Gross alpha	.84	NDD	J	.182	< EQL	U	1	pCi/L	GP
		Nonvolatile beta	.709	< EQL	U	.784	< EQL	U	1	pCi/L	GP
		Radium-226				.495	< EQL	U	1	pCi/L	GP
		Radium-228				.176	< EQL	U	1	pCi/L	GP
		Strontium-90	.276	< EQL	U	-.484	< EQL	U	1	pCi/L	GP
+		Tritium	37	> 20		51.6	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 8D**

<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>
N 76588.8 E 57617.8	33.28918 Deg N -81.6639 Deg W	240.6 - 220.6 ft msl	287.8 ft msl	4 " PVC	S	UAZ_UTRA

SAMPLE DATE	05/18/99	11/03/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	230.9	230.13	ft msl
pH	4.2	5.5	pH
Sp. Conductance	26	26	uS/cm
Water temperature	21	19.2	deg. C
Total Alkalinity as CaCO3	3	10	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity	1	.3	NTU
Volumes purged	5.74	8.82	well volume
Sampling code			
Synchronous water level	230.7 (06/25/99)	230 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	12.1	< 2000		12.1	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	<7	< EQL	U	1.3	NDD	J	1	ug/L	WA
		Copper, total recoverable	8.3	NDD	J	<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	<.4	< EQL	U	.32	NDD	J	1	ug/L	WA
		Mercury, total recoverable	.15	NDD	J	.16	NDD	J	1	ug/L	WA
		Nickel, total recoverable	<26	< EQL	U	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<.88	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Sulfate	946	< 400000		863	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	48000	NDD	J	<41000	< EQL	U	1	ug/L	WA
		Zinc, total recoverable	<53	< EQL	U	<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	1	NDD	J	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<17.6	< EQL	U	<5.38	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	323	NDD	J	<542	< EQL	U	1	ug/L	WA
		Total organic halogens	<120	< EQL	U	22	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 8D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	18.7	< 20		12.9	< 20		1	ug/L	WA
Radionuclides											
		Carbon-14	48	< 2000		56.1	< 2000		1	pCi/L	GP
		Gross alpha	2.06	NDD	J	1.87	< 15		1	pCi/L	GP
		Nonvolatile beta	1.16	< EQL	U	1.64	NDD	J	1	pCi/L	GP
		Radium-226				.834	< EQL	U	1	pCi/L	GP
		Radium-228				.143	< EQL	U	1	pCi/L	GP
		Strontium-90	.138	< EQL	U	.611	< EQL	U	1	pCi/L	GP
+		Tritium	215	> 20		177	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 9D**

<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>
N 76811.6 E 57478.9	33.28944 Deg N -81.6647 Deg W	229.2 - 209.2 ft msl	285.1 ft msl	4 " PVC	S	UAZ_UTRA

<u>SAMPLE DATE</u>	<u>05/18/99</u>	<u>11/19/99</u>
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	228.62	230.32	ft msl
pH	4	8	pH
Sp. Conductance	24	20	uS/cm
Water temperature	24.9	22.5	deg. C
Total Alkalinity as CaCO3	1	3	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity	.5	3.4	NTU
Volumes purged	2.54	.073	well volume
Sampling code		NX	
Synchronous water level	228.4 (06/25/99)	227.7 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	7.8	< 2000		10.4	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	<7	< EQL	U	3.1	NDD	J	1	ug/L	WA
		Copper, total recoverable	4.8	NDD	J	25.4	< 1000		1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	<.36	< EQL	U	.52	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	<26	< EQL	U	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	567	< 400000		494	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	54000	NDD	J	39000	NDD	J	1	ug/L	WA
		Zinc, total recoverable	9.1	NDD	J	7.1	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<14	< EQL	U	<7.95	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	489	NDD	J	237	NDD	J	1	ug/L	WA
		Total organic halogens	<120	< EQL	U	15.8	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 9D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	20.2	NDD	J	2.52	< EQL	U	1	pCi/L	GP
		Gross alpha	1.62	NDD	J	1.99	NDD	J	1	pCi/L	GP
		Nonvolatile beta	.527	< EQL	U	.848	< EQL	U	1	pCi/L	GP
		Radium-226				.729	NDD	J	1	pCi/L	GP
		Radium-228				.127	< EQL	U	1	pCi/L	GP
		Strontium-90	.316	< EQL	U	-.274	< EQL	U	1	pCi/L	GP
+		Tritium	162	> 20		186	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 10AR**

<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>
N 76806	33.28875 Deg N	106.5 - 96.5 ft msl	300.5 ft msl	4 " PVC	S	GA
E 57063.8	-81.6657 Deg W					

<u>SAMPLE DATE</u>	<u>05/06/99</u>	<u>11/19/99</u>
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	158.49	157.58	ft msl
pH	7.2	7.4	pH
Sp. Conductance	200	224	uS/cm
Water temperature	20.4	19.2	deg. C
Total Alkalinity as CaCO ₃	98	101	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity	1	.4	NTU
Volumes purged	3.70	4.33	well volume
Sampling code			
Synchronous water level	158.2 (06/25/99)	157.5 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	20.2	< 2000		21.6	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	<7	< EQL	U	<7	< EQL	U	1	ug/L	WA
		Copper, total recoverable	1.9	NDD	J	<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	<7.3	< EQL	U	6.9	< 250		1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	<26	< EQL	U	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	7600	< 400000		7480	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	163000			176000			1	ug/L	WA
		Zinc, total recoverable	<53	< EQL	U	<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	JU	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	JU	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	JU	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	JU	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	JU	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<7.76	< EQL	JU	<4.72	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	4660	< 1000000		<744	< EQL	U	1	ug/L	WA
		Total organic halogens	<120	< EQL	U	33.3	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 10AR

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	8.06	< EQL	U	-1.07	< EQL	U	1	pCi/L	GP
		Gross alpha	1.4	NDD	J	.791	< EQL	U	1	pCi/L	GP
		Nonvolatile beta	1.64	NDD	J	1.47	NDD	J	1	pCi/L	GP
		Radium-226				2.74	NDD	J	1	pCi/L	GP
		Radium-228				.0968	< EQL	U	1	pCi/L	GP
		Strontium-90	.00493	< EQL	JU	.147	< EQL	U	1	pCi/L	GP
		Tritium	-.244	< EQL	U	-.195	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 10C

<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>
N 76805.2 E 57041.1	33.28871 Deg N -81.6658 Deg W	167.3 - 157.3 ft msl	301.3 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE	05/17/99	11/03/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	219.53	218.84	ft msl
pH	7	7	pH
Sp. Conductance	220	217	uS/cm
Water temperature	23.5	21.8	deg. C
Total Alkalinity as CaCO3	107	15	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity	6.4	6.3	NTU
Volumes purged	.147	.025	well volume
Sampling code	NX	NX	
Synchronous water level	219.5 (06/25/99)	218.3 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	32.8	< 2000		29.1	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	52.5	NDD	J	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	7.6	< 100		6.3	NDD	J	1	ug/L	WA
		Copper, total recoverable	12.6	NDD	J	4.2	NDD	J	1	ug/L	WA
		Lead, total recoverable	7.2	NDD	J	<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	<1.2	< EQL	U	1.1	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	3.4	NDD	J	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<.79	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Sulfate	5440	< 400000		3670	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	143000			6150000			1	ug/L	WA
		Zinc, total recoverable	24.8	NDD	J	16.7	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<8.32	< EQL	U	<4.65	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	576	NDD	J	<524	< EQL	U	1	ug/L	WA
		Total organic halogens	<120	< EQL	U	<120	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 10C****ANALYTICAL DATA**

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	4.31	< EQL	U	-.283	< EQL	U	1	pCi/L	GP
		Gross alpha	1.52	NDD	J	2.33	NDD	J	1	pCi/L	GP
		Nonvolatile beta	.509	< EQL	U	1.53	NDD	J	1	pCi/L	GP
		Radium-226				.339	< EQL	U	1	pCi/L	GP
		Radium-228				-.0382	< EQL	U	1	pCi/L	GP
		Strontium-90	-.0718	< EQL	U	.277	< EQL	U	1	pCi/L	GP
		Tritium	-.088	< EQL	U	-.0844	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 10DR**

<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>
N 76804.8	33.28877 Deg N	238.3 - 218.3 ft msl	300.4 ft msl	4 " PVC	S	UAZ_UTRA
E 57073.7	-81.6657 Deg W					

SAMPLE DATE	05/06/99	11/03/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	230.83	229.65	ft msl
pH	6.6	6.1	pH
Sp. Conductance	66	71	uS/cm
Water temperature	21.6	19.5	deg. C
Total Alkalinity as CaCO ₃	26	5	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity	5.5	8.4	NTU
Volumes purged	.247	.137	well volume
Sampling code	X	NX	
Synchronous water level	230.6 (06/25/99)	229.6 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	42.3	< 2000		51.5	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	32.8	NDD	J	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	<7	< EQL	U	1.5	NDD	J	1	ug/L	WA
		Copper, total recoverable	30.2	< 1000		2.3	NDD	J	1	ug/L	WA
		Lead, total recoverable	10.5	NDD	J	6.9	NDD	J	1	ug/L	WA
		Lithium, total recoverable	12.5	< 250		12.7	< 250		1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	5.2	NDD	J	4.4	NDD	J	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	948	< 400000		1060	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	57000	< 77000		< 77000	< EQL	U	1	ug/L	WA
		Zinc, total recoverable	41.9	NDD	J	32.6	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	JU	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	JU	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	JU	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	JU	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	JU	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<8.88	< EQL	JU	<4.9	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	2520	< 1000000		3260	< 1000000		1	ug/L	WA
		Total organic halogens	13.3	NDD	J	<120	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 10DR

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	123	< 2000		214	< 2000		1	pCi/L	GP
		Gross alpha	3.12	< 15		3.17	< 15		1	pCi/L	GP
		Nonvolatile beta	1.83	NDD	J	2.11	NDD	J	1	pCi/L	GP
		Radium-226				0	< EQL	U	1	pCi/L	GP
		Radium-228				1.12	< EQL	U	1	pCi/L	GP
		Strontium-90	1.01	< EQL	JU	.259	< EQL	U	1	pCi/L	GP
		Tritium	11.9	< 20		15.2	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 11DR**

<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>
N 76849.3 E 56650.4	33.28817 Deg N -81.6669 Deg W	233 - 213.1 ft msl	305.2 ft msl	2 " PVC	V	UAZ_UTRA

<u>SAMPLE DATE</u>	<u>05/17/99</u>	<u>11/11/99</u>
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	231.2	229.52	ft msl
pH	4.6	4.6	pH
Sp. Conductance	54	34	uS/cm
Water temperature	23.6	20.5	deg. C
Total Alkalinity as CaCO3		0	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity	.4	.3	NTU
Volumes purged	14.4	11.3	well volume
Sampling code			
Synchronous water level	230.4 (06/25/99)	229.2 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	8.5	< 2000		7.5	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	<1	< EQL	JU	<.9	< EQL	JU	1	ug/L	WA
		Copper, total recoverable	<15	< EQL	U	<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	<.51	< EQL	U	.53	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	.12	NDD	J	1	ug/L	WA
		Nickel, total recoverable	<26	< EQL	U	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	391	< 400000		395	NDD	J	1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	27000	NDD	J	17000	NDD	J	1	ug/L	WA
		Zinc, total recoverable	<53	< EQL	U	<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	2.37	NDD	J	1.79	NDD	J	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	7.23	< 20		8.19	< 20		1	ug/L	WA
		1,1-Dichloroethylene	1.62	NDD	J	2.28	NDD	J	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<5	< EQL	U	<19.8	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	545	NDD	J	490	NDD	J	1	ug/L	WA
		Total organic halogens	74.1	NDD	J	65	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 11DR

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	22.2	Rejected	R	20.3	Rejected	R	1	pCi/L	GP
		Gross alpha	4.93	NDD	J	5.1	< 15		1	pCi/L	GP
		Nonvolatile beta	3.24	< 50		2.95	< 50		1	pCi/L	GP
		Radium-226				4.68	< 5		1	pCi/L	GP
		Radium-228				-.431	< EQL	U	1	pCi/L	GP
		Strontium-90	.846	NDD	J	.0355	< EQL	JU	1	pCi/L	GP
+		Tritium	117000	> 20	J	114000	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 12AX

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	-5.04	< EQL	U	-3.01	< EQL	U	1	pCi/L	GP
		Gross alpha	.842	NDD	J	.977	NDD	J	1	pCi/L	GP
		Nonvolatile beta	.975	< EQL	U	1.06	< EQL	U	1	pCi/L	GP
		Radium-226				.682	< EQL	U	1	pCi/L	GP
		Radium-228				.799	< EQL	U	1	pCi/L	GP
		Strontium-90	-.247	< EQL	U	-.0267	< EQL	U	1	pCi/L	GP
		Tritium	-.158	< EQL	U	-.149	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 12CX**

<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>
N 76834.5	33.28746 Deg N	151.2 - 141.2 ft msl	313.3 ft msl	2 " PVC	V	LAZ_UTRA
E 56230.4	-81.6680 Deg W					

<u>SAMPLE DATE</u>	<u>05/25/99</u>	<u>11/09/99</u>

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	230.35	229.24	ft msl
pH	6.1	5.8	pH
Sp. Conductance	56	38	uS/cm
Water temperature	23.9	19.4	deg. C
Total Alkalinity as CaCO3	10	7	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity	1.7	3.5	NTU
Volumes purged	2.06	.069	well volume
Sampling code		NX	
Synchronous water level	230.3 (06/25/99)	228.9 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	7.7	< 2000		8	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	6.4	NDD	J	2.2	NDD	J	1	ug/L	WA
		Copper, total recoverable	<15	< EQL	U	3.9	NDD	J	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	1	NDD	J	1.8	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	4.9	NDD	J	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<.81	< EQL	JU	<1.1	< EQL	JU	1	ug/L	WA
		Sulfate	974	< 400000		697	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	33000	NDD	J	6000	NDD	J	1	ug/L	WA
		Zinc, total recoverable	16	NDD	J	25.4	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<10	< EQL	U	2	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<10	< EQL	U	2	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<10	< EQL	U	2	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<10	< EQL	U	2	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<10	< EQL	U	2	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<10	< EQL	U	2	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<10	< EQL	U	2	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<20	< EQL	U	2	ug/L	WA
		Benzene	<5	< EQL	U	<10	< EQL	U	2	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<10	< EQL	U	2	ug/L	WA
		Bromoform	<5	< EQL	U	<10	< EQL	U	2	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<20	< EQL	U	2	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<10	< EQL	U	2	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<10	< EQL	U	2	ug/L	WA
		Chloroethane	<10	< EQL	U	<20	< EQL	U	2	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<20	< EQL	U	2	ug/L	WA
		Chloroform	<5	< EQL	U	<10	< EQL	U	2	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<20	< EQL	U	2	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<10	< EQL	U	2	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<10	< EQL	U	2	ug/L	WA
		Dichloromethane (Methylene chloride)	<4.32	< EQL	U	<48.9	< EQL	U	2	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<10	< EQL	U	2	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<10	< EQL	U	2	ug/L	WA
		Toluene	<5	< EQL	U	<10	< EQL	U	2	ug/L	WA
		Total organic carbon	375	NDD	J	176	NDD	J	1	ug/L	WA
		Total organic halogens	174	> 100		79.2	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<10	< EQL	U	2	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 12CX

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<10	< EQL	U	2	ug/L	WA
+		Trichloroethylene	231	> 5		87	> 5		2	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<10	< EQL	U	2	ug/L	WA
Radionuclides											
		Carbon-14	-1.21	< EQL	U	-3.5	< EQL	U	1	pCi/L	GP
		Gross alpha	.573	< EQL	U	.612	< EQL	U	1	pCi/L	GP
		Nonvolatile beta	1.57	NDD	J	1.36	NDD	J	1	pCi/L	GP
		Radium-226				.717	< EQL	U	1	pCi/L	GP
		Radium-228				.539	< EQL	U	1	pCi/L	GP
		Strontium-90	-.831	< EQL	U	.0624	< EQL	U	1	pCi/L	GP
		Tritium	25.6	> 20	J	6.16	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 12DR**

<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>
N 76834.6 E 56214.7	33.28743 Deg N -81.6680 Deg W	232.8 - 212.7 ft msl	313.6 ft msl	2 " PVC	V	UAZ_UTRA

SAMPLE DATE	05/17/99	11/18/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	219.87	218.64	ft msl
pH	10.8	10.8	pH
Sp. Conductance	800	713	uS/cm
Water temperature	23.3	20.4	deg. C
Total Alkalinity as CaCO ₃	199	183	mg/L
Phenolphthalein Alkalinity as CaCO ₃	199	153	mg/L
Turbidity	1.5	.6	NTU
Volumes purged	3.55	7.57	well volume
Sampling code			
Synchronous water level	219.8 (06/25/99)	218.6 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	4.7	NDD	J	1	ug/L	WA
		Barium, total recoverable	58.3	< 2000		54.4	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	2.1	NDD	J	1.7	NDD	J	1	ug/L	WA
		Copper, total recoverable	1.7	NDD	J	<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	20.9	< 250		12.7	< 250		1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	<26	< EQL	U	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	3.1	NDD	J	<5	< EQL	U	1	ug/L	WA
		Sulfate	17300	< 400000		17300	< 400000		2	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	213000			135000			1	ug/L	WA
		Zinc, total recoverable	<53	< EQL	U	<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U					ug/L	
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<9.71	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	517	NDD	J	402	NDD	J	1	ug/L	WA
		Total organic halogens	<120	< EQL	U	22.2	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 12DR

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	1.72	NDD	J	1.55	NDD	J	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	-.0958	< EQL	U	.453	< EQL	U	1	pCi/L	GP
		Gross alpha	.0698	< EQL	U	.495	< EQL	U	1	pCi/L	GP
		Nonvolatile beta	8.58	< 50		11.3	< 50		1	pCi/L	GP
		Radium-226				.876	< EQL	U	1	pCi/L	GP
		Radium-228				.328	< EQL	U	1	pCi/L	GP
		Strontium-90	-.429	< EQL	U	-.165	< EQL	U	1	pCi/L	GP
		Tritium	11.7	< 20		8.28	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

*= exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 13DR**

<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>
N 76824.7	33.28680 Deg N	220.3 - 210.3 ft msl	319.3 ft msl	4 " PVC	S	LAZ_UTRA
E 55840.4	-81.6690 Deg W					

SAMPLE DATE	05/20/99	11/05/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	230.2	229.01	ft msl
pH	6.2	6.5	pH
Sp. Conductance	57	73	uS/cm
Water temperature	22.6	20.2	deg. C
Total Alkalinity as CaCO ₃	18	29	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity	6.5	5.1	NTU
Volumes purged	.077	.082	well volume
Sampling code	X	NX	
Synchronous water level	230.1 (06/25/99)	228.8 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	44.4	< 2000		39.4	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	50.6	NDD	J	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	13.5	< 100		14.1	< 100		1	ug/L	WA
		Copper, total recoverable	9.9	NDD	J	4.6	NDD	J	1	ug/L	WA
		Lead, total recoverable	32.5	NDD	J	<19.2	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	44.4	< 250		24.4	< 250		1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	9.5	NDD	J	7.9	NDD	J	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	2160	< 400000		2200	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	81000			38000	NDD	J	1	ug/L	WA
		Zinc, total recoverable	40.7	NDD	J	21.5	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<6.61	< EQL	U	<6.02	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	772	NDD	J	1560	< 1000000		1	ug/L	WA
		Total organic halogens	32.5	NDD	J	<16.5	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in Italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 13DR

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	.859	< EQL	U	-2.4	< EQL	U	1	pCi/L	GP
		Gross alpha	1.3	NDD	J	1.48	NDD	J	1	pCi/L	GP
		Nonvolatile beta	1.18	< EQL	U	1.75	NDD	J	1	pCi/L	GP
		Radium-226				.161	< EQL	U	1	pCi/L	GP
		Radium-228				.455	< EQL	U	1	pCi/L	GP
		Strontium-90	.585	< EQL	JU	-.0448	< EQL	U	1	pCi/L	GP
		Tritium	17.9	NDD	J	8.25	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 14AR**

<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>
N 76351.8 E 55788.9	33.28567 Deg N -81.6682 Deg W	106.8 - 96.8 ft msl	300.7 ft msl	4 " PVC	S	GA

SAMPLE DATE 11/21/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	157.98	ft msl
pH		11.1	pH
Sp. Conductance		799	uS/cm
Water temperature		19.8	deg. C
Total Alkalinity as CaCO ₃		190	mg/L
Phenolphthalein Alkalinity as CaCO ₃		185	mg/L
Turbidity		1.2	NTU
Volumes purged		3.50	well volume
Sampling code			
Synchronous water level	158.6 (06/25/99)	158 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				117	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				3.3	NDD	J	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				41.8	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				2780	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				111000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether									
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				5.27	NDD	J	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				811	NDD	J	1	ug/L	WA
		Total organic halogens				18.9	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 14AR

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				1.27	NDD	J	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-5.5	< EQL	U	1	pCi/L	GP
		Gross alpha				.79	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				5.85	< 50		1	pCi/L	GP
		Radium-226				.607	NDD	J	1	pCi/L	GP
		Radium-228				.32	< EQL	U	1	pCi/L	GP
		Strontium-90				-.142	< EQL	U	1	pCi/L	GP
		Tritium				3.65	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 14CR**

<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>
N 76337.8 E 55789	33.28564 Deg N -81.6682 Deg W	200.1 - 190.1 ft msl	300.5 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE	05/25/99	11/08/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	222.59	221.7	ft msl
pH	6	5.4	pH
Sp. Conductance	50	30	uS/cm
Water temperature	21.7	19.9	deg. C
Total Alkalinity as CaCO3	15	1	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity	6	.9	NTU
Volumes purged	.047	2.62	well volume
Sampling code	X		
Synchronous water level	222.4 (06/25/99)	221.4 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	6.7	> 6	J	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	11.6	< 2000		7.8	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	44.9	NDD	J	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	7.6	< 100		<1.1	< EQL	U	1	ug/L	WA
		Copper, total recoverable	<3.8	< EQL	U	<15	< EQL	U	1	ug/L	WA
+		Lead, total recoverable	6	NDD	J	56	> 50		1	ug/L	WA
		Lithium, total recoverable	10.9	< 250		1.2	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	3.2	NDD	J	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	1740	< 400000		1420	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	33000	NDD	J	48000	NDD	J	1	ug/L	WA
		Zinc, total recoverable	120	< 5000		11.5	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<4.41	< EQL	U	<4.82	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	1.42	NDD	J	3.18	NDD	J	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	<1580	< EQL	U	488	NDD	J	1	ug/L	WA
		Total organic halogens	47	NDD	J	<55	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 14CR

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene	47.7	> 5		46.5	> 5		1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	.704	< EQL	U	.281	< EQL	U	1	pCi/L	GP
		Gross alpha	1.61	NDD	J	.821	< EQL	U	1	pCi/L	GP
		Nonvolatile beta	1.19	< EQL	U	.754	< EQL	U	1	pCi/L	GP
		Radium-226				.508	< EQL	U	1	pCi/L	GP
		Radium-228				.116	< EQL	U	1	pCi/L	GP
		Strontium-90	-.445	< EQL	U	.042	< EQL	U	1	pCi/L	GP
+		Tritium	303	> 20		541	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 14DR**

<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>
N 76322.1 E 55789.4	33.28560 Deg N -81.6681 Deg W	238.1 - 218.1 ft msl	300.3 ft msl	4 " PVC	S	UAZ_UTRA

SAMPLE DATE	05/25/99	11/08/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	229.5	228.55	ft msl
pH	5.3	5.4	pH
Sp. Conductance	34	31	uS/cm
Water temperature	20.6	20.7	deg. C
Total Alkalinity as CaCO3		4	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity	.5	1.2	NTU
Volumes purged	5.67	5.60	well volume
Sampling code			
Synchronous water level	229.4 (06/25/99)	228.3 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	4.8	< 2000		5.6	< 2000		1	ug/L	WA
		Boron, total recoverable	33.3	NDD	J	48.2	NDD	J	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	<1.1	< EQL	JU	<1.5	< EQL	U	1	ug/L	WA
		Copper, total recoverable	105	< 1000		115	< 1000		1	ug/L	WA
		Lead, total recoverable	14.7	NDD	J	<21.7	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	1.6	NDD	J	2.5	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	<26	< EQL	U	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	1770	< 400000		1490	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	21000	NDD	J	26000	NDD	J	1	ug/L	WA
		Zinc, total recoverable	139	< 5000		111	< 5000		1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<4.18	< EQL	U	<4.29	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	<473	< EQL	U	303	NDD	J	1	ug/L	WA
		+ Total organic halogens	40.6	NDD	J	127	> 100		1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 14DR

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene	37.2	> 5		129	> 5		1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	15.4	NDD	J	-4.39	< EQL	U	1	pCi/L	GP
		Gross alpha	5.54	< 15		3.59	< 15		1	pCi/L	GP
		Nonvolatile beta	4.48	NDD	J	4.53	< 50		1	pCi/L	GP
		Radium-226				1.87	< EQL	U	1	pCi/L	GP
		Radium-228				.709	< EQL	U	1	pCi/L	GP
		Strontium-90	-.011	< EQL	U	.0961	< EQL	U	1	pCi/L	GP
+		Tritium	101	> 20		295	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 15D**

<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>
N 75973.5 E 55859.1	33.28495 Deg N -81.6673 Deg W	238.7 - 218.7 ft msl	298.7 ft msl	4 " PVC	S	UAZ_UTRA

SAMPLE DATE	05/24/99	11/08/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	229.29	222.62	ft msl
pH	4.9	5.2	pH
Sp. Conductance	29	28	uS/cm
Water temperature	22.8	21.3	deg. C
Total Alkalinity as CaCO ₃		4	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity	2.4	2.7	NTU
Volumes purged	6.68	9.18	well volume
Sampling code			
Synchronous water level	228.9 (06/25/99)	227.9 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	20.3	< 2000		11.1	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	3.8	NDD	J	<7	< EQL	U	1	ug/L	WA
		Copper, total recoverable	<15	< EQL	U	1.7	NDD	J	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	.28	NDD	J	.52	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	<26	< EQL	U	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<.56	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Sulfate	412	< 400000		692	NDD	J	1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	31000	NDD	J	19000	NDD	J	1	ug/L	WA
		Zinc, total recoverable	<53	< EQL	U	<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<4.67	< EQL	U	<4.29	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	5.56	> 5		2.74	NDD	J	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	723	< 1000000		257	NDD	J	1	ug/L	WA
		Total organic halogens	163	> 100		<49	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene	2.41	NDD	J	1.48	NDD	J	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 15D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene	114	> 5		28.3	> 5		1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				7.3	< EQL	U	1	pCi/L	GP
		Gross alpha	1.66	NDD	J	6.49	< 15		1	pCi/L	GP
		Nonvolatile beta	1.94	NDD	J	4.87	< 50		1	pCi/L	GP
+		Radium-226				12.1	> 5		1	pCi/L	GP
		Radium-228				.421	< EQL	U	1	pCi/L	GP
		Strontium-90	1.78	< EQL	U	.197	< EQL	U	1	pCi/L	GP
+		Tritium	1442.91	> 20		741	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

*= exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 26A**

<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>
N 76144.6 E 55014.2	33.28395 Deg N -81.6698 Deg W	91 - 81 ft msl	287.2 ft msl	4 " PVC	S	GA

SAMPLE DATE 11/10/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	158.25	ft msl
pH		11.3	pH
Sp. Conductance		1252	uS/cm
Water temperature		20.2	deg. C
Total Alkalinity as CaCO3		284	mg/L
Phenolphthalein Alkalinity as CaCO3		267	mg/L
Turbidity		5.9	NTU
Volumes purged		.040	well volume
Sampling code		NX	
Synchronous water level	159.1 (06/25/99)	157.9 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				83.9	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				4.3	NDD	J	1	ug/L	WA
		Copper, total recoverable				8.7	NDD	J	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				38.8	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				4.1	NDD	J	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				7460	NDD	J	1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				311000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				12.1	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether									
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<7.39	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				521	NDD	J	1	ug/L	WA
		Total organic halogens				28.2	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 26A

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene				6.14	> 5		1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-1.04	< EQL	U	1	pCi/L	GP
		Gross alpha				1.07	NDD	J	1	pCi/L	GP
		Nonvolatile beta				.503	< EQL	U	1	pCi/L	GP
		Radium-226				.666	< EQL	U	1	pCi/L	GP
		Radium-228				.491	< EQL	U	1	pCi/L	GP
		Strontium-90				.309	< EQL	U	1	pCi/L	GP
		Tritium				.891	NDD	J	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 26D**

<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>
N 76128 E 55015.2	33.28391 Deg N -81.6698 Deg W	233.5 - 213.4 ft msl	285.5 ft msl	4 " PVC	S	UAZ_UTRA

SAMPLE DATE 11/10/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	225.74	ft msl
pH		7.5	pH
Sp. Conductance		24	uS/cm
Water temperature		21.4	deg. C
Total Alkalinity as CaCO ₃		1	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		5	NTU
Volumes purged		.251	well volume
Sampling code		NX	
Synchronous water level	226.5 (06/25/99)	225.6 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				7.1	< 2000		1	ug/L	WA
		Boron, total recoverable				33.9	NDD	J	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				1.8	NDD	J	1	ug/L	WA
		Copper, total recoverable				146	< 1000		1	ug/L	WA
		Lead, total recoverable				40.4	NDD	J	1	ug/L	WA
		Lithium, total recoverable				.71	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				750	NDD	J	1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				11000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				19.7	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5.39	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				8180	< 1000000		1	ug/L	WA
		Total organic halogens				25.8	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 26D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene				8.62	> 5		1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-.106	< EQL	U	1	pCi/L	GP
		Gross alpha				2.47	< 15		1	pCi/L	GP
		Nonvolatile beta				1.28	NDD	J	1	pCi/L	GP
+		Radium-226				5.41	> 5		1	pCi/L	GP
		Radium-228				.241	< EQL	U	1	pCi/L	GP
		Strontium-90				-.442	< EQL	U	1	pCi/L	GP
		Tritium				6.12	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 27C**

<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>
N 75666.3 E 54671.4	33.28233 Deg N -81.6698 Deg W	163.9 - 154.9 ft msl	276 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE 11/15/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	219.16	ft msl
pH		7.1	pH
Sp. Conductance		116	uS/cm
Water temperature		20	deg. C
Total Alkalinity as CaCO ₃		52	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		1	NTU
Volumes purged		2.43	well volume
Sampling code			
Synchronous water level		218.8 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<4.1	< EQL	JU	1	ug/L	WA
		Barium, total recoverable				7.3	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				2.1	NDD	J	1	ug/L	WA
		Copper, total recoverable				14.8	NDD	J	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				1.3	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				374	NDD	J	1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				13000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				6.5	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				465	NDD	J	1	ug/L	WA
		Total organic halogens				29.2	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 27C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene				27.4	> 5		1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-.513	< EQL	U	1	pCi/L	GP
		Gross alpha				.362	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				1.23	NDD	J	1	pCi/L	GP
		Radium-226				1.16	< EQL	U	1	pCi/L	GP
		Radium-228				.341	< EQL	U	1	pCi/L	GP
		Strontium-90				.203	< EQL	U	1	pCi/L	GP
+		Tritium				210	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 27D**

<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>
N 75677.3 E 54680.2	33.28237 Deg N -81.6698 Deg W	229.3 - 209.3 ft msl	276.3 ft msl	4 " PVC	S	UAZ_UTRA

SAMPLE DATE 11/29/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	225.23	ft msl
pH		4.3	pH
Sp. Conductance		30	uS/cm
Water temperature		21.7	deg. C
Total Alkalinity as CaCO ₃		0	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		14.1	NTU
Volumes purged		.585	well volume
Sampling code		NX	
Synchronous water level	226 (06/25/99)	225.1 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				13.6	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				2	NDD	J	1	ug/L	WA
		Copper, total recoverable				31.6	< 1000		1	ug/L	WA
		Lead, total recoverable				10.1	NDD	J	1	ug/L	WA
		Lithium, total recoverable				.42	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				3	NDD	J	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<1.4	< EQL	U	1	ug/L	WA
		Sulfate				349	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				34000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				13	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				<5000	< EQL	U	1	ug/L	WA
		Total organic halogens				<120	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 27D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-2.69	< EQL	U	1	pCi/L	GP
		Gross alpha				4.54	< 15		1	pCi/L	GP
		Nonvolatile beta				3.99	< 50		1	pCi/L	GP
		Radium-226				2.16	< EQL	U	1	pCi/L	GP
		Radium-228				1.05	NDD	J	1	pCi/L	GP
		Strontium-90				.13	< EQL	U	1	pCi/L	GP
+		Tritium				32.7	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

*= exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 28D**

<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>
N 75348.3 E 54457.9	33.28128 Deg N -81.6698 Deg W	230.1 - 210.1 ft msl	277.4 ft msl	4 " PVC	S	UAZ_UTRA

SAMPLE DATE 12/30/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	226.63	ft msl
pH		5	pH
Sp. Conductance		73	uS/cm
Water temperature		24.5	deg. C
Total Alkalinity as CaCO ₃		9	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		13	NTU
Volumes purged		0	well volume
Sampling code		NX	
Synchronous water level	224.6 (06/25/99)	223.8 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				28.6	< 2000		1	ug/L	WA
		Boron, total recoverable				40.7	NDD	J	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
+		Chromium, total recoverable				113	> 100		1	ug/L	WA
		Copper, total recoverable				8.5	NDD	J	1	ug/L	WA
		Lead, total recoverable				12.1	NDD	J	1	ug/L	WA
		Lithium, total recoverable				6.5	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				69.3	< 100		1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				7470	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				37000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				16.4	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				8.06	< 20		1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether									
		Benzene				1.48	NDD	J	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				3.76	NDD	J	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
+		Chloroethene (Vinyl chloride)				29	> 2		1	ug/L	WA
		Chloroform				1.17	NDD	J	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				2430	< 1000000		1	ug/L	WA
+		Total organic halogens				456	> 100		1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 28D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene				146	> 5		1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				72.3	NDD	J	1	pCi/L	GP
		Gross alpha				3.58	< 15		1	pCi/L	GP
		Nonvolatile beta				20.5	< 50		1	pCi/L	GP
		Radium-226				2.29	NDD	J	1	pCi/L	GP
		Radium-228				.863	< EQL	U	1	pCi/L	GP
		Strontium-90				7.48	< 8		1	pCi/L	GP
+		Tritium				8810	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 30C**

<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>
N 75181 E 54512.3	33.28099 Deg N -81.6693 Deg W	188.4 - 178.4 ft msl	274.5 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE 12/30/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	219.84	ft msl
pH		6.4	pH
Sp. Conductance		31	uS/cm
Water temperature		21.9	deg. C
Total Alkalinity as CaCO ₃		9	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		18.3	NTU
Volumes purged		0	well volume
Sampling code		NX	
Synchronous water level	218.2 (06/25/99)	217.4 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				17.9	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				7.3	< 100		1	ug/L	WA
		Copper, total recoverable				7.7	NDD	J	1	ug/L	WA
		Lead, total recoverable				10.7	NDD	J	1	ug/L	WA
		Lithium, total recoverable				4.7	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				7.4	NDD	J	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				1140	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				30000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				76.7	< 5000		1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				4.39	NDD	J	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				2900	< 1000000		1	ug/L	WA
		Total organic halogens				36.4	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in Italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 30C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene				10.9	> 5		1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				25.5	NDD	J	1	pCi/L	GP
		Gross alpha				1.16	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				1.05	< EQL	U	1	pCi/L	GP
		Radium-226				1.21	NDD	J	1	pCi/L	GP
		Radium-228				.235	< EQL	U	1	pCi/L	GP
		Strontium-90				4.58	< 8		1	pCi/L	GP
+		Tritium				607	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 30D**

<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>
N 75187.7 E 54499.2	33.28099 Deg N -81.6693 Deg W	227.8 - 207.8 ft msl	274.8 ft msl	4 " PVC	S	UAZ_UTRA

<u>SAMPLE DATE</u>
12/01/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	223.32	ft msl
pH		5.4	pH
Sp. Conductance		106	uS/cm
Water temperature		19.5	deg. C
Total Alkalinity as CaCO ₃		12	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.9	NTU
Volumes purged		2.89	well volume
Sampling code			
Synchronous water level	224 (06/25/99)	223.2 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				35	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<2	< EQL	U	1	ug/L	WA
		Copper, total recoverable				5.5	NDD	J	1	ug/L	WA
		Lead, total recoverable				11.2	NDD	J	1	ug/L	WA
		Lithium, total recoverable				3.1	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				3.6	NDD	J	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				2050	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				98000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				389	< 5000		1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				7.53	< 20		1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				6.8	> 2	J	1	ug/L	WA
		Chloroform				<1.13	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				6.03	NDD	J	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<4.32	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				<556	< EQL	U	1	ug/L	WA
+		Total organic halogens				430	> 100		1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 30D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene				13	> 5		1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				25.2	< 2000		1	pCi/L	GP
		Gross alpha				12	< 15		1	pCi/L	GP
		Nonvolatile beta				10.3	< 50		1	pCi/L	GP
		Radium-226				4.03	< EQL	U	1	pCi/L	GP
		Radium-228				1.99	< 5		1	pCi/L	GP
		Strontium-90				3.83	NDD	J	1	pCi/L	GP
+		Tritium				14500	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 31C**

<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>
N 74978 E 54816.2	33.28104 Deg N -81.6681 Deg W	186.4 - 176.4 ft msl	273.1 ft msl	4 " PVC	S	LAZ_UTRA

<u>SAMPLE DATE</u>	
12/01/99	

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	223.19	ft msl
pH		4.2	pH
Sp. Conductance		30	uS/cm
Water temperature		19.8	deg. C
Total Alkalinity as CaCO ₃		0	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		11.5	NTU
Volumes purged		.065	well volume
Sampling code		NX	
Synchronous water level	223.9 (06/25/99)	223 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable									
		Arsenic, total recoverable									
		Barium, total recoverable									
		Boron, total recoverable									
		Cadmium, total recoverable									
		Chromium, total recoverable									
		Copper, total recoverable									
		Lead, total recoverable									
		Lithium, total recoverable									
		Mercury, total recoverable									
		Nickel, total recoverable									
		Selenium, total recoverable									
		Silver, total recoverable									
		Sulfate				398	< 400000		1	ug/L	WA
		Tin, total recoverable									
		Total dissolved solids				35000	NDD	J	1	ug/L	WA
		Zinc, total recoverable									
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether									
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<14.7	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
+		Tetrachloroethylene				10.2	> 5		1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				6530	< 1000000		1	ug/L	WA
		Total organic halogens				49.4	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in Italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 31C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				1.76	NDD	J	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				12.3	NDD	J	1	pCi/L	GP
		Gross alpha				2.37	NDD	J	1	pCi/L	GP
		Nonvolatile beta				2.16	< EQL	U	1	pCi/L	GP
		Radium-226				4.65	< EQL	U	1	pCi/L	GP
		Radium-228				.746	< EQL	U	1	pCi/L	GP
		Strontium-90				-.478	< EQL	JU	1	pCi/L	GP
+		Tritium				6680	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 31D**

<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>
N 74985.3 E 54841.7	33.28110 Deg N -81.6680 Deg W	231.1 - 211.1 ft msl	273.7 ft msl	4 " PVC	S	UAZ_UTRA

SAMPLE DATE 11/29/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	224.25	ft msl
pH		4.4	pH
Sp. Conductance		29	uS/cm
Water temperature		21.5	deg. C
Total Alkalinity as CaCO3		0	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		12.6	NTU
Volumes purged		.353	well volume
Sampling code		NX	
Synchronous water level	224.9 (06/25/99)	224.1 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				5.3	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				1.3	NDD	J	1	ug/L	WA
		Copper, total recoverable				31.8	< 1000		1	ug/L	WA
		Lead, total recoverable				6.6	NDD	J	1	ug/L	WA
		Lithium, total recoverable				.29	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				350	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				20000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				24.1	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				1.1	NDD	J	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<14.4	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				<5000	< EQL	U	1	ug/L	WA
		Total organic halogens				29.4	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 31D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				.922	NDD	J	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-4.9	< EQL	U	1	pCi/L	GP
		Gross alpha				2.73	< 15		1	pCi/L	GP
		Nonvolatile beta				2.72	NDD	J	1	pCi/L	GP
+		Radium-226				13.8	> 5		1	pCi/L	GP
		Radium-228				.301	< EQL	U	1	pCi/L	GP
		Strontium-90				.609	< EQL	U	1	pCi/L	GP
+		Tritium				55.2	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 32D**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N 74727 E 55250.2	33.28119 Deg N -81.6665 Deg W	234.5 - 214.5 ft msl	281.7 ft msl	4 " PVC	S	UAZ_UTRA

<u>SAMPLE DATE</u>
11/30/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	225.08	ft msl
pH		4.2	pH
Sp. Conductance		101	uS/cm
Water temperature		24.2	deg. C
Total Alkalinity as CaCO ₃		0	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		32.6	NTU
Volumes purged		.881	well volume
Sampling code		NX	
Synchronous water level	228 (06/25/99)	224.9 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	1	ug/L	WA			
		Arsenic, total recoverable	<40	< EQL	U	1	ug/L	WA			
		Barium, total recoverable	362	< 2000		1	ug/L	WA			
		Boron, total recoverable	<266	< EQL	U	1	ug/L	WA			
		Cadmium, total recoverable	<4.7	< EQL	U	1	ug/L	WA			
		Chromium, total recoverable	5.9	NDD	J	1	ug/L	WA			
		Copper, total recoverable	87.1	< 1000		1	ug/L	WA			
		Lead, total recoverable	21.8	NDD	J	1	ug/L	WA			
		Lithium, total recoverable	.63	NDD	J	1	ug/L	WA			
		Mercury, total recoverable	<.7	< EQL	U	1	ug/L	WA			
		Nickel, total recoverable	4.2	NDD	J	1	ug/L	WA			
		Selenium, total recoverable	<66	< EQL	U	1	ug/L	WA			
		Silver, total recoverable	<5	< EQL	U	1	ug/L	WA			
		Sulfate	448	< 400000		1	ug/L	WA			
		Tin, total recoverable	<70	< EQL	U	1	ug/L	WA			
		Total dissolved solids	66000			1	ug/L	WA			
		Zinc, total recoverable	14	NDD	J	1	ug/L	WA			
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethylene	<5	< EQL	JU	1	ug/L	WA			
		1,2-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloropropane	<5	< EQL	U	1	ug/L	WA			
		2-Chloroethyl vinyl ether	<10	< EQL	U	1	ug/L	WA			
		Benzene	<5	< EQL	U	1	ug/L	WA			
		Bromodichloromethane	<5	< EQL	U	1	ug/L	WA			
		Bromoform	<5	< EQL	U	1	ug/L	WA			
		Bromomethane (Methyl bromide)	<10	< EQL	U	1	ug/L	WA			
		Carbon tetrachloride	<5	< EQL	U	1	ug/L	WA			
		Chlorobenzene	<5	< EQL	U	1	ug/L	WA			
		Chloroethane	<10	< EQL	U	1	ug/L	WA			
		Chloroethene (Vinyl chloride)	<10	< EQL	U	1	ug/L	WA			
		Chloroform	<1.39	< EQL	U	1	ug/L	WA			
		Chloromethane (Methyl chloride)	<10	< EQL	U	1	ug/L	WA			
		cis-1,3-Dichloropropene	<5	< EQL	U	1	ug/L	WA			
		Dibromochloromethane	<5	< EQL	U	1	ug/L	WA			
		Dichloromethane (Methylene chloride)	<9.12	< EQL	U	1	ug/L	WA			
		Ethylbenzene	<5	< EQL	U	1	ug/L	WA			
		Phenols	<37	< EQL	U	1	ug/L	WA			
		Tetrachloroethylene	2.38	NDD	J	1	ug/L	WA			
		Toluene	<5	< EQL	U	1	ug/L	WA			
		Total organic carbon	1040	< 1000000		1	ug/L	WA			
		Total organic halogens	67	NDD	J	1	ug/L	WA			
		trans-1,2-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 32D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene				14.4	> 5		1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				61.3	< 2000		1	pCi/L	GP
+		Gross alpha				20.6	> 15		1	pCi/L	GP
		Nonvolatile beta				14	< 50		1	pCi/L	GP
+		Radium-226				10.5	> 5		1	pCi/L	GP
		Radium-228				4.67	< 5		1	pCi/L	GP
		Strontium-90				.417	< EQL	U	1	pCi/L	GP
+		Tritium				723	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 33C

<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>
N 74479.7 E 55681.4	33.28135 Deg N -81.6649 Deg W	187.8 - 177.8 ft msl	279.4 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	<i>Not Available</i>	ft msl
pH			pH
Sp. Conductance			uS/cm
Water temperature			deg. C
Total Alkalinity as CaCO3			mg/L
Phenolphthalein Alkalinity as CaCO3			mg/L
Turbidity			NTU
Volumes purged			well volume
Sampling code			
Synchronous water level	223.6 (06/25/99)	222.9 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
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Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.
 * = exceeded holding time for Fourth Quarter 1999.
 + = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 33D**

<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>
N 74468.7	33.28135 Deg N	233.1 - 213.1 ft msl	280.3 ft msl	4 " PVC	S	UAZ_UTRA
E 55695.4	-81.6648 Deg W					

SAMPLE DATE 11/29/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	227.32	ft msl
pH		4	pH
Sp. Conductance		39	uS/cm
Water temperature		23.9	deg. C
Total Alkalinity as CaCO3		0	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		12	NTU
Volumes purged		.761	well volume
Sampling code		NX	
Synchronous water level	228.8 (06/25/99)		ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				13.3	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				2.1	NDD	J	1	ug/L	WA
		Copper, total recoverable				27.6	< 1000		1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				<2.7	< EQL	U	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				3.7	NDD	J	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				572	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				25000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				10.1	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				<5000	< EQL	U	1	ug/L	WA
		Total organic halogens				43.1	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 33D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-1.33	< EQL	U	1	pCi/L	GP
		Gross alpha				4.49	< 15		1	pCi/L	GP
		Nonvolatile beta				2.7	< 50		1	pCi/L	GP
		Radium-226				5.22	> 5		1	pCi/L	GP
		Radium-228				1.22	NDD	J	1	pCi/L	GP
		Strontium-90				.529	< EQL	U	1	pCi/L	GP
		Tritium				16.6	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 34D

<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>
N 74228.8 E 56082.6	33.28145 Deg N -81.6633 Deg W	232.7 - 212.7 ft msl	274.9 ft msl	4 " PVC	S	UAZ_UTRA

SAMPLE DATE 11/30/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	230.78	ft msl
pH		5.5	pH
Sp. Conductance		25	uS/cm
Water temperature		18.2	deg. C
Total Alkalinity as CaCO3		0	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		8.5	NTU
Volumes purged		.171	well volume
Sampling code		NX	
Synchronous water level	230.8 (06/25/99)	229.5 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				16.3	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				3.2	NDD	J	1	ug/L	WA
		Copper, total recoverable				10.7	NDD	J	1	ug/L	WA
		Lead, total recoverable				10.8	NDD	J	1	ug/L	WA
		Lithium, total recoverable				.69	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				197	NDD	J	1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				25000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				21.6	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether									
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<16.1	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				<5000	< EQL	U	1	ug/L	WA
		Total organic halogens				16.7	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 34D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-1.92	< EQL	U	1	pCi/L	GP
		Gross alpha				1.72	< 15		1	pCi/L	GP
		Nonvolatile beta				2.22	< 50		1	pCi/L	GP
		Radium-226				.446	< EQL	U	1	pCi/L	GP
		Radium-228				.472	< EQL	U	1	pCi/L	GP
		Strontium-90				.19	< EQL	U	1	pCi/L	GP
		Tritium				10.5	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 35C**

<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>
N 73953.9 E 56545.7	33.28160 Deg N -81.6616 Deg W	171.9 - 161.9 ft msl	273.4 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE 11/10/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	227.92	ft msl
pH		6.2	pH
Sp. Conductance		38	uS/cm
Water temperature		20.6	deg. C
Total Alkalinity as CaCO3		1	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		.5	NTU
Volumes purged		2.57	well volume
Sampling code			
Synchronous water level	228.7 (06/25/99)	228.4 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<3.7	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				16.5	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				15.2	< 100		1	ug/L	WA
		Copper, total recoverable				<2.1	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				1.3	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				8.1	NDD	J	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<.62	< EQL	JU	1	ug/L	WA
		Sulfate				317	NDD	J	1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				<41000	< EQL	JU	1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5.85	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				<270	< EQL	U	1	ug/L	WA
		Total organic halogens				33.7	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 35C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene				15	> 5		1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				2.8	< EQL	U	1	pCi/L	GP
		Gross alpha				.0392	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				.504	< EQL	U	1	pCi/L	GP
		Radium-226				1.66	< EQL	U	1	pCi/L	GP
		Radium-228				.318	< EQL	U	1	pCi/L	GP
		Strontium-90				.0209	< EQL	U	1	pCi/L	GP
+		Tritium				250	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 35D

<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>
N 73946 E 56556.5	33.28160 Deg N -81.6615 Deg W	239.4 - 219.4 ft msl	273.5 ft msl	4 " PVC	S	UAZ_UTRA

SAMPLE DATE 11/09/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	232.15	ft msl
pH		4.6	pH
Sp. Conductance		41	uS/cm
Water temperature		22.6	deg. C
Total Alkalinity as CaCO3		0	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		11.8	NTU
Volumes purged		0	well volume
Sampling code		NX	
Synchronous water level	232.9 (06/25/99)	231.9 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				16.4	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				3.2	NDD	J	1	ug/L	WA
		Copper, total recoverable				25.7	< 1000		1	ug/L	WA
		Lead, total recoverable				4.8	NDD	J	1	ug/L	WA
		Lithium, total recoverable				.53	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<.68	< EQL	JU	1	ug/L	WA
		Sulfate				376	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				<50000	< EQL	JU	1	ug/L	WA
		Zinc, total recoverable				11.1	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<4.11	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				<1150	< EQL	U	1	ug/L	WA
		Total organic halogens				25.6	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 35D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-3.83	< EQL	U	1	pCi/L	GP
		Gross alpha				2.24	< 15		1	pCi/L	GP
		Nonvolatile beta				1.53	NDD	J	1	pCi/L	GP
		Radium-226				.725	< EQL	U	1	pCi/L	GP
		Radium-228				.291	< EQL	U	1	pCi/L	GP
		Strontium-90				-.172	< EQL	U	1	pCi/L	GP
+		Tritium				43.4	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 36D**

<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>
N 73743.8 E 56888.1	33.28169 Deg N -81.6602 Deg W	243.3 - 223.3 ft msl	275.4 ft msl	4 " PVC	S	UAZ_UTRA

SAMPLE DATE

11/09/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	236.02	ft msl
pH		5	pH
Sp. Conductance		23	uS/cm
Water temperature		22.5	deg. C
Total Alkalinity as CaCO ₃		0	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		5.7	NTU
Volumes purged		0	well volume
Sampling code		NX	
Synchronous water level	235.7 (06/25/99)	235.7 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	1	ug/L	WA			
		Arsenic, total recoverable	<40	< EQL	U	1	ug/L	WA			
		Barium, total recoverable	14.8	< 2000		1	ug/L	WA			
		Boron, total recoverable	<266	< EQL	U	1	ug/L	WA			
		Cadmium, total recoverable	<4.7	< EQL	U	1	ug/L	WA			
		Chromium, total recoverable	<.88	< EQL	JU	1	ug/L	WA			
		Copper, total recoverable	56.5	< 1000		1	ug/L	WA			
		Lead, total recoverable	12.9	NDD	J	1	ug/L	WA			
		Lithium, total recoverable	.58	NDD	J	1	ug/L	WA			
		Mercury, total recoverable	<.7	< EQL	U	1	ug/L	WA			
		Nickel, total recoverable	<26	< EQL	U	1	ug/L	WA			
		Selenium, total recoverable	<66	< EQL	U	1	ug/L	WA			
		Silver, total recoverable	<5	< EQL	U	1	ug/L	WA			
		Sulfate	378	< 400000		1	ug/L	WA			
		Tin, total recoverable	<70	< EQL	U	1	ug/L	WA			
		Total dissolved solids	10000	NDD	J	1	ug/L	WA			
		Zinc, total recoverable	40.7	NDD	J	1	ug/L	WA			
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloropropane	<5	< EQL	U	1	ug/L	WA			
		2-Chloroethyl vinyl ether	<10	< EQL	U	1	ug/L	WA			
		Benzene	<5	< EQL	U	1	ug/L	WA			
		Bromodichloromethane	<5	< EQL	U	1	ug/L	WA			
		Bromoform	<5	< EQL	U	1	ug/L	WA			
		Bromomethane (Methyl bromide)	<10	< EQL	U	1	ug/L	WA			
		Carbon tetrachloride	<5	< EQL	U	1	ug/L	WA			
		Chlorobenzene	<5	< EQL	U	1	ug/L	WA			
		Chloroethane	<10	< EQL	U	1	ug/L	WA			
		Chloroethene (Vinyl chloride)	<10	< EQL	U	1	ug/L	WA			
		Chloroform	<5	< EQL	U	1	ug/L	WA			
		Chloromethane (Methyl chloride)	<10	< EQL	U	1	ug/L	WA			
		cis-1,3-Dichloropropene	<5	< EQL	U	1	ug/L	WA			
		Dibromochloromethane	<5	< EQL	U	1	ug/L	WA			
		Dichloromethane (Methylene chloride)	<4.39	< EQL	U	1	ug/L	WA			
		Ethylbenzene	<5	< EQL	U	1	ug/L	WA			
		Phenols	<37	< EQL	U	1	ug/L	WA			
		Tetrachloroethylene	<5	< EQL	U	1	ug/L	WA			
		Toluene	<5	< EQL	U	1	ug/L	WA			
		Total organic carbon	207	NDD	J	1	ug/L	WA			
		Total organic halogens	15.4	NDD	J	1	ug/L	WA			
		trans-1,2-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 36D****ANALYTICAL DATA**

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-1.15	< EQL	U	1	pCi/L	GP
		Gross alpha				3.77	< 15		1	pCi/L	GP
		Nonvolatile beta				2.51	NDD	J	1	pCi/L	GP
		Radium-226				.668	< EQL	U	1	pCi/L	GP
		Radium-228				.424	< EQL	U	1	pCi/L	GP
		Strontium-90				.0482	< EQL	U	1	pCi/L	GP
		Tritium				17.4	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 37C**

<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>
N 73498.2 E 57279.2	33.28179 Deg N -81.6587 Deg W	178.8 - 168.8 ft msl	286.3 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE 11/29/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	230.55	ft msl
pH		4.4	pH
Sp. Conductance		39	uS/cm
Water temperature		20.2	deg. C
Total Alkalinity as CaCO3		0	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		.4	NTU
Volumes purged		2.53	well volume
Sampling code			
Synchronous water level	231.9 (06/25/99)	231.5 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				8.9	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<7	< EQL	U	1	ug/L	WA
		Copper, total recoverable				15.9	< 1000		1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				.88	NDD	J	1	ug/L	WA
		Mercury, total recoverable				1.47	< 2		1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				497	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				<51000	< EQL	JU	1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<25	< EQL	U	5	ug/L	WA
		1,1,2,2-Tetrachloroethane				<25	< EQL	U	5	ug/L	WA
		1,1,2-Trichloroethane				<25	< EQL	U	5	ug/L	WA
	+	1,1-Dichloroethane				43.5	> 20		5	ug/L	WA
		1,1-Dichloroethylene				20.1	> 7	J	5	ug/L	WA
		1,2-Dichloroethane				<25	< EQL	U	5	ug/L	WA
		1,2-Dichloropropane				<25	< EQL	U	5	ug/L	WA
		2-Chloroethyl vinyl ether									
		Benzene				<25	< EQL	U	5	ug/L	WA
		Bromodichloromethane				<25	< EQL	U	5	ug/L	WA
		Bromoform				<25	< EQL	U	5	ug/L	WA
		Bromomethane (Methyl bromide)				<50	< EQL	U	5	ug/L	WA
		Carbon tetrachloride				<25	< EQL	U	5	ug/L	WA
		Chlorobenzene				<25	< EQL	U	5	ug/L	WA
		Chloroethane				<50	< EQL	U	5	ug/L	WA
		Chloroethene (Vinyl chloride)				<50	< EQL	U	5	ug/L	WA
		Chloroform				72.6	< 100		5	ug/L	WA
		Chloromethane (Methyl chloride)				<50	< EQL	U	5	ug/L	WA
		cis-1,3-Dichloropropene				<25	< EQL	U	5	ug/L	WA
		Dibromochloromethane				<25	< EQL	U	5	ug/L	WA
		Dichloromethane (Methylene chloride)				<25.4	< EQL	U	5	ug/L	WA
		Ethylbenzene				<25	< EQL	U	5	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				19.7	> 5	J	5	ug/L	WA
		Toluene				<25	< EQL	U	5	ug/L	WA
		Total organic carbon				760	NDD	J	1	ug/L	WA
	+	Total organic halogens				924	> 100		5	ug/L	WA
		trans-1,2-Dichloroethylene									

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 37C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<25	< EQL	U	5	ug/L	WA
+		Trichloroethylene				482	> 5		5	ug/L	WA
		Trichlorofluoromethane				<25	< EQL	U	5	ug/L	WA
Radionuclides											
		Carbon-14				28.4	< 2000		1	pCi/L	GP
		Gross alpha				1.61	NDD	J	1	pCi/L	GP
		Nonvolatile beta				1.58	< EQL	U	1	pCi/L	GP
		Radium-226				.667	< EQL	U	1	pCi/L	GP
		Radium-228				.448	< EQL	U	1	pCi/L	GP
		Strontium-90				.198	< EQL	U	1	pCi/L	GP
+		Tritium				98600	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 37D

<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>
N 73490.8 E 57292.9	33.28179 Deg N -81.6587 Deg W	246.1 - 226.1 ft msl	287.3 ft msl	4 " PVC	S	UAZ_UTRA

SAMPLE DATE 11/09/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	238.99	ft msl
pH		5.2	pH
Sp. Conductance		22	uS/cm
Water temperature		22.9	deg. C
Total Alkalinity as CaCO3		0	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		9.9	NTU
Volumes purged		0	well volume
Sampling code		NX	
Synchronous water level	238.3 (06/25/99)	239 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				8.4	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				1.9	NDD	J	1	ug/L	WA
		Copper, total recoverable				17.9	< 1000		1	ug/L	WA
		Lead, total recoverable				8.7	NDD	J	1	ug/L	WA
		Lithium, total recoverable				.29	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				259	NDD	J	1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				<8000	< EQL	JU	1	ug/L	WA
		Zinc, total recoverable				45	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<4.71	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				460	NDD	J	1	ug/L	WA
		Total organic halogens				<120	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 37D****ANALYTICAL DATA**

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				4.97	< EQL	U	1	pCi/L	GP
		Gross alpha				.947	NDD	J	1	pCi/L	GP
		Nonvolatile beta				.925	< EQL	U	1	pCi/L	GP
		Radium-226				.516	< EQL	U	1	pCi/L	GP
		Radium-228				2.01	NDD	J	1	pCi/L	GP
		Strontium-90				~.102	< EQL	U	1	pCi/L	GP
+		Tritium				22.2	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in *italics* are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 38D**

<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>
N 73329.3 E 57557.5	33.28187 Deg N -81.6577 Deg W	242.3 - 222.3 ft msl	291.6 ft msl	4 " PVC	S	UAZ_UTRA

SAMPLE DATE 11/16/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	236.9	ft msl
pH		4.5	pH
Sp. Conductance		42	uS/cm
Water temperature		15.2	deg. C
Total Alkalinity as CaCO3		0	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		3.1	NTU
Volumes purged		.106	well volume
Sampling code		NX	
Synchronous water level	236.9 (06/25/99)	237.8 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	1	ug/L	WA			
		Arsenic, total recoverable	<40	< EQL	U	1	ug/L	WA			
		Barium, total recoverable	17.3	< 2000		1	ug/L	WA			
		Boron, total recoverable	<266	< EQL	U	1	ug/L	WA			
		Cadmium, total recoverable	<4.7	< EQL	U	1	ug/L	WA			
		Chromium, total recoverable	1.3	NDD	J	1	ug/L	WA			
		Copper, total recoverable	8.7	NDD	J	1	ug/L	WA			
		Lead, total recoverable	<47	< EQL	U	1	ug/L	WA			
		Lithium, total recoverable	.8	NDD	J	1	ug/L	WA			
		Mercury, total recoverable	<.7	< EQL	U	1	ug/L	WA			
		Nickel, total recoverable	<26	< EQL	U	1	ug/L	WA			
		Selenium, total recoverable	<66	< EQL	U	1	ug/L	WA			
		Silver, total recoverable	<5	< EQL	U	1	ug/L	WA			
		Sulfate	281	NDD	J	1	ug/L	WA			
		Tin, total recoverable	<70	< EQL	U	1	ug/L	WA			
		Total dissolved solids	19000	NDD	J	1	ug/L	WA			
		Zinc, total recoverable	<53	< EQL	U	1	ug/L	WA			
Organics											
		1,1,1-Trichloroethane	<5	< EQL	JU	1	ug/L	WA			
		1,1,2,2-Tetrachloroethane	<5	< EQL	JU	1	ug/L	WA			
		1,1,2-Trichloroethane	<5	< EQL	JU	1	ug/L	WA			
		1,1-Dichloroethane	<5	< EQL	JU	1	ug/L	WA			
		1,1-Dichloroethylene	<5	< EQL	JU	1	ug/L	WA			
		1,2-Dichloroethane	<5	< EQL	JU	1	ug/L	WA			
		1,2-Dichloropropane	<5	< EQL	JU	1	ug/L	WA			
		2-Chloroethyl vinyl ether	<10	< EQL	JU	1	ug/L	WA			
		Benzene	<5	< EQL	JU	1	ug/L	WA			
		Bromodichloromethane	<5	< EQL	JU	1	ug/L	WA			
		Bromoform	<5	< EQL	JU	1	ug/L	WA			
		Bromomethane (Methyl bromide)	<10	< EQL	JU	1	ug/L	WA			
		Carbon tetrachloride	<5	< EQL	JU	1	ug/L	WA			
		Chlorobenzene	<5	< EQL	JU	1	ug/L	WA			
		Chloroethane	<10	< EQL	JU	1	ug/L	WA			
		Chloroethene (Vinyl chloride)	<10	< EQL	JU	1	ug/L	WA			
		Chloroform	<5	< EQL	JU	1	ug/L	WA			
		Chloromethane (Methyl chloride)	<10	< EQL	JU	1	ug/L	WA			
		cis-1,3-Dichloropropene	<5	< EQL	JU	1	ug/L	WA			
		Dibromochloromethane	<5	< EQL	JU	1	ug/L	WA			
		Dichloromethane (Methylene chloride)	<4.75	< EQL	JU	1	ug/L	WA			
		Ethylbenzene	<5	< EQL	JU	1	ug/L	WA			
		Phenols	<37	< EQL	U	1	ug/L	WA			
		Tetrachloroethylene	<5	< EQL	JU	1	ug/L	WA			
		Toluene	<5	< EQL	JU	1	ug/L	WA			
		Total organic carbon	396	NDD	J	1	ug/L	WA			
		Total organic halogens	20.3	NDD	J	1	ug/L	WA			
		trans-1,2-Dichloroethylene	<5	< EQL	JU	1	ug/L	WA			

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 38D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	JU	1	ug/L	WA
		Trichloroethylene				<5	< EQL	JU	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	JU	1	ug/L	WA
Radionuclides											
		Carbon-14				-1.61	< EQL	U	1	pCi/L	GP
		Gross alpha				1.87	< 15		1	pCi/L	GP
		Nonvolatile beta				1.7	NDD	J	1	pCi/L	GP
		Radium-226				3.37	< 5		1	pCi/L	GP
		Radium-228				1.02	< EQL	U	1	pCi/L	GP
		Strontium-90				.395	< EQL	U	1	pCi/L	GP
+		Tritium				20.4	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 39A**

<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>
N 73573.2 E 57821.9	33.28284 Deg N -81.6575 Deg W	94.8 - 84.8 ft msl	295.9 ft msl	2 " PVC	V	GA

SAMPLE DATE 11/09/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	166.62	ft msl
pH		7	pH
Sp. Conductance		216	uS/cm
Water temperature		19.7	deg. C
Total Alkalinity as CaCO3		90	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		.8	NTU
Volumes purged		3.52	well volume
Sampling code			
Synchronous water level	167.4 (06/25/99)	166.5 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				69.6	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<7	< EQL	U	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				80.4	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				9470	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				136000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<4.48	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				294	NDD	J	1	ug/L	WA
		Total organic halogens				24.7	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 39A

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				2.68	< EQL	U	1	pCi/L	GP
		Gross alpha				.992	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				8.1	< 50		1	pCi/L	GP
		Radium-226				.273	< EQL	U	1	pCi/L	GP
		Radium-228				1.98	NDD	J	1	pCi/L	GP
		Strontium-90				.102	< EQL	U	1	pCi/L	GP
		Tritium				-309	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold Italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in Italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 39C**

<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>
N 73563.3 E 57816.1	33.28281 Deg N -81.6575 Deg W	184.9 - 174.9 ft msl	296.4 ft msl	2 " PVC	V	LAZ_UTRA

SAMPLE DATE 11/09/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	232.05	ft msl
pH		6.1	pH
Sp. Conductance		53	uS/cm
Water temperature		20	deg. C
Total Alkalinity as CaCO3		23	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		.5	NTU
Volumes purged		3.34	well volume
Sampling code			
Synchronous water level	232.2 (06/25/99)	231.5 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				7.6	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<7	< EQL	U	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				.44	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				925	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				27000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<4.21	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				173	NDD	J	1	ug/L	WA
		Total organic halogens				<120	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF

WELL BGO 39C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				2.27	< EQL	U	1	pCi/L	GP
		Gross alpha				.847	NDD	J	1	pCi/L	GP
		Nonvolatile beta				1.03	< EQL	U	1	pCi/L	GP
		Radium-226				.0791	< EQL	U	1	pCi/L	GP
		Radium-228				.921	NDD	J	1	pCi/L	GP
		Strontium-90				.149	< EQL	U	1	pCi/L	GP
		Tritium				6.57	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF**WELL BGO 39D**

<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>
N 73583.5 E 57831	33.28288 Deg N -81.6575 Deg W	244.7 - 224.7 ft msl	295.7 ft msl	4 " PVC	S	UAZ_UTRA

SAMPLE DATE 12/01/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	235.8	ft msl
pH		3.7	pH
Sp. Conductance		34	uS/cm
Water temperature		19.3	deg. C
Total Alkalinity as CaCO3		0	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		11.7	NTU
Volumes purged		.140	well volume
Sampling code		NX	
Synchronous water level	235.8 (06/25/99)	235.5 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				5.5	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				1.4	NDD	J	1	ug/L	WA
		Copper, total recoverable				7.3	NDD	J	1	ug/L	WA
		Lead, total recoverable				5.2	NDD	J	1	ug/L	WA
		Lithium, total recoverable				.6	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				841	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				35000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				10.1	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether									
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<2.48	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				2.7	NDD	J	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				<5000	< EQL	U	1	ug/L	WA
		Total organic halogens				24.3	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene									

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-2. Groundwater Monitoring Results for Point-of-Compliance Wells, MWMF
WELL BGO 39D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				1.02	NDD	J	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				18.8	NDD	J	1	pCi/L	GP
		Gross alpha				3.51	< 15		1	pCi/L	GP
		Nonvolatile beta				3.62	NDD	J	1	pCi/L	GP
		Radium-226				.942	< EQL	U	1	pCi/L	GP
		Radium-228				1.15	NDD	J	1	pCi/L	GP
		Strontium-90				.447	< EQL	U	1	pCi/L	GP
+		Tritium				27.6	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.
* = exceeded holding time for Fourth Quarter 1999.
+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

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Table D-3. Groundwater Monitoring Results for Background Wells, MWMF**WELL BGO 1D**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N 73737.9 E 58779.3	33.28477 Deg N -81.6553 Deg W	245 - 225 ft msl	295.1 ft msl	4 " PVC	S	UAZ_UTRA

<u>SAMPLE DATE</u>	05/17/99	11/17/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	239.02	238.65	ft msl
pH	4.4	5	pH
Sp. Conductance	44	41	uS/cm
Water temperature	24.4	25.4	deg. C
Total Alkalinity as CaCO ₃		1	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity	8	12.8	NTU
Volumes purged	2.43	1.47	well volume
Sampling code		NX	
Synchronous water level	238.8 (06/24/99)	238.6 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	20.9	< 2000		9.2	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	4.1	NDD	J	6.4	NDD	J	1	ug/L	WA
		Copper, total recoverable	24.9	< 1000		29.2	< 1000		1	ug/L	WA
		Lead, total recoverable	7.3	NDD	J	7.1	NDD	J	1	ug/L	WA
		Lithium, total recoverable	<1.7	< EQL	U	1.5	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	3.4	NDD	J	5.4	NDD	J	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	<428	< EQL	U	324	NDD	J	1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	22000	NDD	J	54000			1	ug/L	WA
		Zinc, total recoverable	59.4	< 5000		85.5	< 5000		1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U					ug/L	
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<9.08	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	6010	< 1000000		892	NDD	J	1	ug/L	WA
		Total organic halogens	<120	< EQL	U	<120	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-3. Groundwater Monitoring Results for Background Wells, MWMF

WELL BGO 1D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	-14.9	< EQL	U	.262	< EQL	U	1	pCi/L	GP
		Gross alpha	2.07	NDD	J	2.84	< 15		1	pCi/L	GP
		Nonvolatile beta	1.47	NDD	J	1.7	NDD	J	1	pCi/L	GP
		Radium-226				2.57	NDD	J	1	pCi/L	GP
		Radium-228				.639	< EQL	U	1	pCi/L	GP
		Strontium-90	-.203	< EQL	U	-.327	< EQL	U	1	pCi/L	GP
		Tritium	10.9	< 20		10.6	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-3. Groundwater Monitoring Results for Background Wells, MWMF

WELL BGO 2D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 74552.9 E 58809.7	33.28662 Deg N -81.6568 Deg W	241.74 - 221.7 ft msl	299.42 ft msl	4 " PVC	V	UAZ_UTRA

SAMPLE DATE	06/21/99	11/03/99
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FIELD DATA

Parameter	2Q99	4Q99	Unit
Water Elevation	Not Available	Not Available	ft msl
pH	4.4	3.9	pH
Sp. Conductance	35	38	uS/cm
Water temperature	22.1	18.9	deg. C
Total Alkalinity as CaCO ₃		0	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity	.7	9.1	NTU
Volumes purged			well volume
Sampling code		NX	
Synchronous water level			ft msl

ANALYTICAL DATA

H	ST	Parameter	2Q99	Filt.	Mod	4Q99	Filt.	Mod	DF	Unit	Lab
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	10.6	> 6	J	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	19	< 2000		19.9	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	<.98	< EQL	JU	2.8	NDD	J	1	ug/L	WA
		Copper, total recoverable	2	NDD	J	<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	.59	NDD	J	.59	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	<26	< EQL	U	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	265	NDD	J	453	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	41.1	NDD	J	1	ug/L	WA
		Total dissolved solids	46000	NDD	J	38000	NDD	J	1	ug/L	WA
		Zinc, total recoverable	<53	< EQL	U	<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<5	< EQL	U	<4.76	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	276	NDD	J	269	NDD	J	1	ug/L	WA
		Total organic halogens	<120	< EQL	U	17.5	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-3. Groundwater Monitoring Results for Background Wells, MWMF

WELL BGO 2D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	-1.1	< EQL	U	-4.67	< EQL	U	1	pCi/L	GP
		Gross alpha	2.21	< 15		1.94	NDD	J	1	pCi/L	GP
		Nonvolatile beta	2.05	NDD	J	2.76	< 50		1	pCi/L	GP
		Radium-226				.846	< EQL	U	1	pCi/L	GP
		Radium-228				.572	< EQL	U	1	pCi/L	GP
		Strontium-90	.191	< EQL	U	.92	< EQL	U	1	pCi/L	GP
		Tritium	18.3	< 20		16.4	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-3. Groundwater Monitoring Results for Background Wells, MWMF

WELL HSB 85A

<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>
N 73791.9 E 58943.4	33.28515 Deg N -81.6549 Deg W	71.1 - 61.1 ft msl	294.4 ft msl	4 " PVC	S	GA

<u>SAMPLE DATE</u>	<u>04/21/99</u>	<u>11/19/99</u>
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	169.3	168.56	ft msl
pH	6.6	6.6	pH
Sp. Conductance	180	179	uS/cm
Water temperature	19.8	19.9	deg. C
Total Alkalinity as CaCO ₃	71	81	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity	.4	.3	NTU
Volumes purged	2.34	3.95	well volume
Sampling code			
Synchronous water level	168.9 (06/19/99)	168.2 (12/06/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	29.5	< 2000		28.9	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	<.88	< EQL	JU	<1.1	< EQL	JU	1	ug/L	WA
		Copper, total recoverable	1.6	NDD	J	2.7	NDD	J	1	ug/L	WA
		Lead, total recoverable	.631	NDD	J	<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	3.9	< 250		3.6	< 250		1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	<26	< EQL	U	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	5960	< 400000		5780	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	106000			140000			1	ug/L	WA
		Zinc, total recoverable	<53	< EQL	U	<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<6.06	< EQL	U	<5.13	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	1960	< 1000000		191	NDD	J	1	ug/L	WA
		Total organic halogens	<120	< EQL	U	30	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-3. Groundwater Monitoring Results for Background Wells, MWMF

WELL HSB 85A

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	1.09	< EQL	U	-3.56	< EQL	U	1	pCi/L	GP
		Gross alpha	3.88	< 15		.533	< EQL	U	1	pCi/L	GP
		Nonvolatile beta	921	> 50		1.33	NDD	J	1	pCi/L	GP
		Radium-226				.616	NDD	J	1	pCi/L	GP
		Radium-228				.584	< EQL	U	1	pCi/L	GP
		Strontium-90	.276	< EQL	JU	-.385	< EQL	U	1	pCi/L	GP
		Tritium	-.173	< EQL	U	-.0891	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-3. Groundwater Monitoring Results for Background Wells, MWMF**WELL HSB 85B**

<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>
N 73789.3 E 58953.3	33.28516 Deg N -81.6549 Deg W	143.2 - 133.2 ft msl	294.5 ft msl	4 " PVC	S	LAZ_UTRA

<u>SAMPLE DATE</u>	<u>04/21/99</u>	<u>11/19/99</u>
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	232.92	233.11	ft msl
pH	11.2	10.3	pH
Sp. Conductance	500	204	uS/cm
Water temperature	19.7	22.4	deg. C
Total Alkalinity as CaCO3	108	46	mg/L
Phenolphthalein Alkalinity as CaCO3	82	46	mg/L
Turbidity	.5	.8	NTU
Volumes purged	.015	.015	well volume
Sampling code	X	NX	
Synchronous water level	232.9 (06/19/99)	232.8 (12/06/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	28.5	< 2000		28.6	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	3.2	NDD	J	3.6	NDD	J	1	ug/L	WA
		Copper, total recoverable	<15	< EQL	U	<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	5.2	< 250		5.4	< 250		1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	<26	< EQL	U	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<.53	< EQL	JU	1	ug/L	WA
		Sulfate	1900	< 400000		972	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	101000			122000			1	ug/L	WA
		Zinc, total recoverable	<53	< EQL	U	5.8	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	JU					ug/L	
		Benzene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	JU	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	JU	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	JU	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	JU	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	897	NDD	J	267	NDD	J	1	ug/L	WA
		Total organic halogens	12.4	NDD	J	31.2	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-3. Groundwater Monitoring Results for Background Wells, MWMF

WELL HSB 85B

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	-.214	< EQL	U	-4.41	< EQL	U	1	pCi/L	GP
		Gross alpha	3.99	< 15		.338	< EQL	U	1	pCi/L	GP
		Nonvolatile beta	2.67	< 50		2.36	NDD	J	1	pCi/L	GP
		Radium-226				.618	NDD	J	1	pCi/L	GP
		Radium-228				.276	< EQL	U	1	pCi/L	GP
		Strontium-90	.0208	< EQL	JU	.0509	< EQL	U	1	pCi/L	GP
		Tritium	1.01	NDD	J	3.18	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-3. Groundwater Monitoring Results for Background Wells, MWMF**WELL HSB 85C**

<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>
N 73802.3 E 58947.4	33.28518 Deg N -81.6549 Deg W	224.2 - 214.2 ft msl	294.1 ft msl	4 " PVC	S	UAZ_UTRA

<u>SAMPLE DATE</u>	<u>04/21/99</u>	<u>11/19/99</u>
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	239.05	231.42	ft msl
pH	4.5	5	pH
Sp. Conductance	40	38	uS/cm
Water temperature	20.4	21.1	deg. C
Total Alkalinity as CaCO3		0	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity	.5	.4	NTU
Volumes purged	3.46	8.60	well volume
Sampling code			
Synchronous water level	238.4 (06/19/99)	238.6 (12/06/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	12.7	< 2000		12.9	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	<.78	< EQL	JU	<.7	< EQL	U	1	ug/L	WA
		Copper, total recoverable	38.4	< 1000		99	< 1000		1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	.71	NDD	J	.56	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	<26	< EQL	U	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	224	NDD	J	263	NDD	J	1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	14000	NDD	J	34000	NDD	J	1	ug/L	WA
		Zinc, total recoverable	<53	< EQL	U	<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	JU	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	JU	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	JU	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	JU	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	JU	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<5	< EQL	JU	<4.8	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	866	NDD	J	176	NDD	J	1	ug/L	WA
		Total organic halogens	<120	< EQL	U	14.8	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-3. Groundwater Monitoring Results for Background Wells, MWMF

WELL HSB 85C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	JU	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	2.67	< EQL	U	-3.48	< EQL	U	1	pCi/L	GP
		Gross alpha	1.94	NDD	J	1.95	NDD	J	1	pCi/L	GP
		Nonvolatile beta	2.22	NDD	J	3.01	< 50		1	pCi/L	GP
		Radium-226				.467	< EQL	U	1	pCi/L	GP
		Radium-228				1.08	< EQL	U	1	pCi/L	GP
		Strontium-90	-.232	< EQL	JU	.347	< EQL	U	1	pCi/L	GP
		Tritium	9.37	< 20		10.8	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 9AA**

<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>
N 76975.7 E 57371.9	33.28963 Deg N -81.6653 Deg W	83.8 - 73.8 ft msl	284.8 ft msl	4 " PVC	S	GA

SAMPLE DATE 11/12/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	157.25	ft msl
pH		11.8	pH
Sp. Conductance		7340	uS/cm
Water temperature		18.4	deg. C
Total Alkalinity as CaCO ₃		1640	mg/L
Phenolphthalein Alkalinity as CaCO ₃		1640	mg/L
Turbidity		2.9	NTU
Volumes purged		.018	well volume
Sampling code		NX	
Synchronous water level	157.2 (06/25/99)	157.1 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<4	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				6.2	NDD	J	1	ug/L	WA
		Barium, total recoverable				1160	< 2000	J	1	ug/L	WA
		Boron, total recoverable				27.5	NDD	J	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<1.1	< EQL	JU	1	ug/L	WA
		Copper, total recoverable				4.6	NDD	J	1	ug/L	WA
		Lead, total recoverable				46.9	NDD	J	1	ug/L	WA
+		Lithium, total recoverable				1250	> 250	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				4.5	NDD	J	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				3350	NDD	J	1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				1160000			1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	JU	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	JU	1	ug/L	WA
		Benzene				<5	< EQL	JU	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	JU	1	ug/L	WA
		Bromoform				<5	< EQL	JU	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	JU	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	JU	1	ug/L	WA
		Chlorobenzene				<5	< EQL	JU	1	ug/L	WA
		Chloroethane				<10	< EQL	JU	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	JU	1	ug/L	WA
		Chloroform				<5	< EQL	JU	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	JU	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	JU	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	JU	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5.03	< EQL	JU	1	ug/L	WA
		Ethylbenzene				<5	< EQL	JU	1	ug/L	WA
		Phenols				5.96	NDD	J	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	JU	1	ug/L	WA
		Toluene				2.38	NDD	J	1	ug/L	WA
		Total organic carbon				6870	< 1000000		1	ug/L	WA
		Total organic halogens				<120	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	JU	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 9AA

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	JU	1	ug/L	WA
		Trichloroethylene				<5	< EQL	JU	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	JU	1	ug/L	WA
Radionuclides											
		Carbon-14				4.74	< EQL	U	1	pCi/L	GP
		Gross alpha				11.1	NDD	J	1	pCi/L	GP
+		Nonvolatile beta				74.4	> 50		1	pCi/L	GP
+		Radium-226				14	> 5		1	pCi/L	GP
		Radium-228				2.88	NDD	J	1	pCi/L	GP
		Strontium-90				.574	< EQL	U	1	pCi/L	GP
		Tritium				.0448	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 10AA

<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>
N 76997.9 E 56990.5	33.28906 Deg N -81.6663 Deg W	90.8 - 80.8 ft msl	300.7 ft msl	4 " PVC	S	GA

SAMPLE DATE 11/03/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	157.05	ft msl
pH		7.4	pH
Sp. Conductance		177	uS/cm
Water temperature		19.4	deg. C
Total Alkalinity as CaCO3		87	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		.3	NTU
Volumes purged		3.31	well volume
Sampling code			
Synchronous water level	157.5 (06/25/99)	156.9 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	1	ug/L	WA			
		Arsenic, total recoverable	<40	< EQL	U	1	ug/L	WA			
		Barium, total recoverable	47.2	< 2000		1	ug/L	WA			
		Boron, total recoverable	<266	< EQL	U	1	ug/L	WA			
		Cadmium, total recoverable	<4.7	< EQL	U	1	ug/L	WA			
		Chromium, total recoverable	<1.1	< EQL	JU	1	ug/L	WA			
		Copper, total recoverable	<15	< EQL	U	1	ug/L	WA			
		Lead, total recoverable	6.2	NDD	J	1	ug/L	WA			
		Lithium, total recoverable	16.4	< 250		1	ug/L	WA			
		Mercury, total recoverable	<.7	< EQL	U	1	ug/L	WA			
		Nickel, total recoverable	<26	< EQL	U	1	ug/L	WA			
		Selenium, total recoverable	<66	< EQL	U	1	ug/L	WA			
		Silver, total recoverable	<5	< EQL	U	1	ug/L	WA			
		Sulfate	6630	< 400000		1	ug/L	WA			
		Tin, total recoverable	<70	< EQL	U	1	ug/L	WA			
		Total dissolved solids	134000			1	ug/L	WA			
		Zinc, total recoverable	<53	< EQL	U	1	ug/L	WA			
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloropropane	<5	< EQL	U	1	ug/L	WA			
		2-Chloroethyl vinyl ether	<10	< EQL	U	1	ug/L	WA			
		Benzene	<5	< EQL	U	1	ug/L	WA			
		Bromodichloromethane	<5	< EQL	U	1	ug/L	WA			
		Bromoform	<5	< EQL	U	1	ug/L	WA			
		Bromomethane (Methyl bromide)	<10	< EQL	U	1	ug/L	WA			
		Carbon tetrachloride	<5	< EQL	U	1	ug/L	WA			
		Chlorobenzene	<5	< EQL	U	1	ug/L	WA			
		Chloroethane	<10	< EQL	U	1	ug/L	WA			
		Chloroethene (Vinyl chloride)	<10	< EQL	U	1	ug/L	WA			
		Chloroform	<5	< EQL	U	1	ug/L	WA			
		Chloromethane (Methyl chloride)	<10	< EQL	U	1	ug/L	WA			
		cis-1,3-Dichloropropene	<5	< EQL	U	1	ug/L	WA			
		Dibromochloromethane	<5	< EQL	U	1	ug/L	WA			
		Dichloromethane (Methylene chloride)	<4.72	< EQL	U	1	ug/L	WA			
		Ethylbenzene	<5	< EQL	U	1	ug/L	WA			
		Phenols	<37	< EQL	U	1	ug/L	WA			
		Tetrachloroethylene	<5	< EQL	U	1	ug/L	WA			
		Toluene	<5	< EQL	U	1	ug/L	WA			
		Total organic carbon	<264	< EQL	U	1	ug/L	WA			
		Total organic halogens	28.7	NDD	J	1	ug/L	WA			
		trans-1,2-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 10AA

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-5.52	< EQL	U	1	pCi/L	GP
		Gross alpha				1.85	NDD	J	1	pCi/L	GP
		Nonvolatile beta				2.75	< 50		1	pCi/L	GP
		Radium-226				1.05	< EQL	U	1	pCi/L	GP
		Radium-228				.499	< EQL	U	1	pCi/L	GP
		Strontium-90				2.09	< EQL	U	1	pCi/L	GP
		Tritium				-.157	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 10B**

<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>
N 76982.1 E 56978.8	33.28900 Deg N -81.6663 Deg W	149 - 139 ft msl	301 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE 11/03/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	217.68	ft msl
pH		8.8	pH
Sp. Conductance		197	uS/cm
Water temperature		19.4	deg. C
Total Alkalinity as CaCO ₃		76	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.8	NTU
Volumes purged		2.42	well volume
Sampling code			
Synchronous water level	218.5 (06/25/99)	217.2 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	1	ug/L	WA			
		Arsenic, total recoverable	<40	< EQL	U	1	ug/L	WA			
		Barium, total recoverable	21.9	< 2000		1	ug/L	WA			
		Boron, total recoverable	60.2	NDD	J	1	ug/L	WA			
		Cadmium, total recoverable	<4.7	< EQL	U	1	ug/L	WA			
		Chromium, total recoverable	3.9	NDD	J	1	ug/L	WA			
		Copper, total recoverable	<15	< EQL	U	1	ug/L	WA			
		Lead, total recoverable	<47	< EQL	U	1	ug/L	WA			
		Lithium, total recoverable	6.2	< 250		1	ug/L	WA			
		Mercury, total recoverable	<.7	< EQL	U	1	ug/L	WA			
		Nickel, total recoverable	<26	< EQL	U	1	ug/L	WA			
		Selenium, total recoverable	<66	< EQL	U	1	ug/L	WA			
		Silver, total recoverable	<5	< EQL	U	1	ug/L	WA			
		Sulfate	5070	< 400000		1	ug/L	WA			
		Tin, total recoverable	<70	< EQL	U	1	ug/L	WA			
		Total dissolved solids	152000			1	ug/L	WA			
		Zinc, total recoverable	<53	< EQL	U	1	ug/L	WA			
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloropropane	<5	< EQL	U	1	ug/L	WA			
		2-Chloroethyl vinyl ether	<10	< EQL	U	1	ug/L	WA			
		Benzene	<5	< EQL	U	1	ug/L	WA			
		Bromodichloromethane	<5	< EQL	U	1	ug/L	WA			
		Bromoform	<5	< EQL	U	1	ug/L	WA			
		Bromomethane (Methyl bromide)	<10	< EQL	U	1	ug/L	WA			
		Carbon tetrachloride	<5	< EQL	U	1	ug/L	WA			
		Chlorobenzene	<5	< EQL	U	1	ug/L	WA			
		Chloroethane	<10	< EQL	U	1	ug/L	WA			
		Chloroethene (Vinyl chloride)	<10	< EQL	U	1	ug/L	WA			
		Chloroform	<5	< EQL	U	1	ug/L	WA			
		Chloromethane (Methyl chloride)	<10	< EQL	U	1	ug/L	WA			
		cis-1,3-Dichloropropene	<5	< EQL	U	1	ug/L	WA			
		Dibromochloromethane	<5	< EQL	U	1	ug/L	WA			
		Dichloromethane (Methylene chloride)	<4.65	< EQL	U	1	ug/L	WA			
		Ethylbenzene	<5	< EQL	U	1	ug/L	WA			
		Phenols	<37	< EQL	U	1	ug/L	WA			
		Tetrachloroethylene	<5	< EQL	U	1	ug/L	WA			
		Toluene	<5	< EQL	U	1	ug/L	WA			
		Total organic carbon	<377	< EQL	U	1	ug/L	WA			
		Total organic halogens	20.8	NDD	J	1	ug/L	WA			
		trans-1,2-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 10B

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				.364	< EQL	U	1	pCi/L	GP
		Gross alpha				.411	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				1.79	NDD	J	1	pCi/L	GP
		Radium-226				.415	< EQL	U	1	pCi/L	GP
		Radium-228				.573	< EQL	U	1	pCi/L	GP
		Strontium-90				.682	< EQL	U	1	pCi/L	GP
+		Tritium				24.9	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 16AR**

<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>
N 75743.2 E 56217.1	33.28502 Deg N -81.6659 Deg W	113.7 - 103.7 ft msl	303.7 ft msl	4 " PVC	S	GA

SAMPLE DATE	05/18/99	11/30/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	161	160.17	ft msl
pH	7	6.7	pH
Sp. Conductance	160	174	uS/cm
Water temperature	21.7	18.9	deg. C
Total Alkalinity as CaCO ₃	77	79	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity	.6	.7	NTU
Volumes purged	3.92	2.62	well volume
Sampling code			
Synchronous water level	160.8 (06/24/99)	160.2 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	35.3	< 2000		36.9	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	2.6	NDD	J	2.4	NDD	J	1	ug/L	WA
		Copper, total recoverable	1.6	NDD	J	<2.4	< EQL	U	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	<1.8	< EQL	U	1.9	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	<26	< EQL	U	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<.57	< EQL	JU	<.52	< EQL	U	1	ug/L	WA
		Sulfate	1260	< 400000		1050	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	129000	NDD	J	116000			1	ug/L	WA
		Zinc, total recoverable	7	NDD	J	<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	3.3	NDD	J	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<15.3	< EQL	U	<6.72	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	249	NDD	J	730	NDD	J	1	ug/L	WA
		Total organic halogens	<120	< EQL	U	13.5	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 16AR

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	.732	< EQL	U	-.263	< EQL	U	1	pCi/L	GP
		Gross alpha	1.47	NDD	J	1.53	NDD	J	1	pCi/L	GP
		Nonvolatile beta	1	< EQL	U	1.24	NDD	J	1	pCi/L	GP
		Radium-226				1.24	NDD	J	1	pCi/L	GP
		Radium-228				.0189	< EQL	U	1	pCi/L	GP
		Strontium-90	-.101	< EQL	U	.000121	< EQL	U	1	pCi/L	GP
		Tritium	.0614	< EQL	U	.0471	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 16B**

<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>
N 75767.5 E 56183.8	33.28502 Deg N -81.66660 Deg W	146 - 136 ft msl	305.1 ft msl	4 " PVC	S	LAZ_UTRA

<u>SAMPLE DATE</u>	<u>05/18/99</u>	<u>11/03/99</u>
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	217.27	216.88	ft msl
pH	7.4	6.3	pH
Sp. Conductance	200	233	uS/cm
Water temperature	23.2	18.4	deg. C
Total Alkalinity as CaCO ₃	103	109	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity	3	6.8	NTU
Volumes purged	.038	.019	well volume
Sampling code	X	NX	
Synchronous water level	217.3 (06/24/99)	216.5 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	43.1	< 2000		44.9	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	1.6	NDD	J	5.4	NDD	J	1	ug/L	WA
		Copper, total recoverable	4.8	NDD	J	4.2	NDD	J	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	6.5	NDD	J	1	ug/L	WA
		Lithium, total recoverable	28.8	< 250		11	< 250		1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	<26	< EQL	U	2.7	NDD	J	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	1900	< 400000		1320	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	153000	NDD	J	156000			1	ug/L	WA
		Zinc, total recoverable	27.4	NDD	J	90	< 5000		1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromofom	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<11.1	< EQL	U	<4.9	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	2190	< 1000000		465	NDD	J	1	ug/L	WA
		Total organic halogens	<120	< EQL	U	<120	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 16B

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	1.8	< EQL	U	1.05	< EQL	U	1	pCi/L	GP
		Gross alpha	1.03	NDD	J	1.61	NDD	J	1	pCi/L	GP
		Nonvolatile beta	.982	< EQL	U	2.5	< 50		1	pCi/L	GP
		Radium-226				.0845	< EQL	U	1	pCi/L	GP
		Radium-228				.601	< EQL	U	1	pCi/L	GP
		Strontium-90	-.0951	< EQL	U	.701	< EQL	U	1	pCi/L	GP
		Tritium	5.49	< 20		2.13	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 16D**

<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>
N 75751.4 E 56202.1	33.28501 Deg N -81.6660 Deg W	237.3 - 217.3 ft msl	304.6 ft msl	4 " PVC	S	UAZ_UTRA

SAMPLE DATE	05/18/99	11/29/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	230	228.75	ft msl
pH	7	7.9	pH
Sp. Conductance	58	63	uS/cm
Water temperature	24.7	20.6	deg. C
Total Alkalinity as CaCO ₃	27	26	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity	5.4	7.5	NTU
Volumes purged	.122	.136	well volume
Sampling code	X	NX	
Synchronous water level	229.8 (06/24/99)	228.8 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	18.7	< 2000		25.6	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	2.9	NDD	J	4.4	NDD	J	1	ug/L	WA
		Copper, total recoverable	3.1	NDD	J	46.6	< 1000		1	ug/L	WA
		Lead, total recoverable	16.3	NDD	J	45.6	NDD	J	1	ug/L	WA
		Lithium, total recoverable	9.3	< 250		10.2	< 250		1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	3.3	NDD	J	6.8	NDD	J	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	525	< 400000		450	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	57000	NDD	J	44000	NDD	J	1	ug/L	WA
		Zinc, total recoverable	20.9	NDD	J	54.4	< 5000		1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<11.2	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	417	NDD	J	704	NDD	J	1	ug/L	WA
		Total organic halogens	37.9	NDD	J	22.6	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 16D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene	9.54	> 5		9.22	> 5		1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	.31	< EQL	U	-3.14	< EQL	U	1	pCi/L	GP
		Gross alpha	1.64	NDD	J	3.55	< 15		1	pCi/L	GP
		Nonvolatile beta	2.83	NDD	J	4.32	< 50		1	pCi/L	GP
		Radium-226				.781	< EQL	U	1	pCi/L	GP
		Radium-228				.0216	< EQL	U	1	pCi/L	GP
		Strontium-90	-.281	< EQL	U	.38	< EQL	U	1	pCi/L	GP
+		Tritium	216	> 20		227	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 17DR**

<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>
N 75604 E 56407.2	33.28502 Deg N -81.6651 Deg W	236.9 - 216.9 ft msl	299.2 ft msl	4 " PVC	S	UAZ_UTRA

<u>SAMPLE DATE</u>	05/20/99	11/03/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	230.55	229.61	ft msl
pH	5.1	4.5	pH
Sp. Conductance	21	19	uS/cm
Water temperature	22.6	24.5	deg. C
Total Alkalinity as CaCO ₃	5	0	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity	12.4	14.3	NTU
Volumes purged	.453	.731	well volume
Sampling code	X	NX	
Synchronous water level	230.5 (06/24/99)	229.5 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	11.1	< 2000		8.6	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	2.5	NDD	J	3.4	NDD	J	1	ug/L	WA
		Copper, total recoverable	3.3	NDD	J	3	NDD	J	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	<1	< EQL	U	1.3	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	3.6	NDD	J	3	NDD	J	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	298	NDD	J	359	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	59000			51000			1	ug/L	WA
		Zinc, total recoverable	7.9	NDD	J	5.8	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<6.11	< EQL	U	<4.52	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	300	NDD	J	437	NDD	J	1	ug/L	WA
		Total organic halogens	<120	< EQL	U	<120	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 17DR

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	2.88	NDD	J	2.99	NDD	J	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	2.38	< EQL	U	-5.28	< EQL	U	1	pCi/L	GP
		Gross alpha	1.01	NDD	J	2.09	< 15		1	pCi/L	GP
		Nonvolatile beta	1.35	< EQL	U	3.88	< 50		1	pCi/L	GP
		Radium-226				.609	< EQL	U	1	pCi/L	GP
		Radium-228				.306	< EQL	U	1	pCi/L	GP
		Strontium-90	.0883	< EQL	JU	.422	< EQL	U	1	pCi/L	GP
		Tritium	10.1	NDD	J	9.88	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 18A**

<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>
N 75599.9	33.28549 Deg N	109.5 - 99.5 ft msl	295.2 ft msl	4 " PVC	S	GA
E 56699.7	-81.6643 Deg W					

<u>SAMPLE DATE</u>	<u>05/26/99</u>	<u>11/30/99</u>

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	161.2	160.55	ft msl
pH	6.8	6.9	pH
Sp. Conductance	160	183	uS/cm
Water temperature	22.1	18.9	deg. C
Total Alkalinity as CaCO ₃	72	79	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity	.2	.5	NTU
Volumes purged	3.07	3.03	well volume
Sampling code			
Synchronous water level	161.2 (06/24/99)	160.5 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
		Inorganics									
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	26.3	< 2000		28.4	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	<1.1	< EQL	JU	<7	< EQL	U	1	ug/L	WA
		Copper, total recoverable	<15	< EQL	U	<2.4	< EQL	U	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	2.8	< 250		3.7	< 250		1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	<26	< EQL	U	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<.86	< EQL	U	1	ug/L	WA
		Sulfate	8270	< 400000		8460	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	120000			144000			1	ug/L	WA
		Zinc, total recoverable	<53	< EQL	U	<53	< EQL	U	1	ug/L	WA
		Organics									
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoforn	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<11.5	< EQL	U	<7.58	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	689	NDD	J	<544	< EQL	U	1	ug/L	WA
		Total organic halogens	<120	< EQL	U	23	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 18A

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	-1.02	< EQL	U	-3.4	< EQL	U	1	pCi/L	GP
		Gross alpha	3.27	< 15		.757	NDD	J	1	pCi/L	GP
		Nonvolatile beta	2.68	NDD	J	1.96	NDD	J	1	pCi/L	GP
		Radium-226				.18	< EQL	U	1	pCi/L	GP
		Radium-228				.825	< EQL	U	1	pCi/L	GP
		Strontium-90	.334	< EQL	JU	.337	< EQL	U	1	pCi/L	GP
		Tritium	-233	< EQL	U	-.34	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 18D**

<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>
N 75600 E 56711.2	33.28551 Deg N -81.6643 Deg W	239.6 - 219.6 ft msl	294.9 ft msl	4 " PVC	S	UAZ_UTRA

<u>SAMPLE DATE</u>	<u>05/20/99</u>	<u>11/03/99</u>
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	230.94	230.06	ft msl
pH	3.9	4.2	pH
Sp. Conductance	28	30	uS/cm
Water temperature	20.8	19.2	deg. C
Total Alkalinity as CaCO ₃		0	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity	.2	.3	NTU
Volumes purged	4.93	5.79	well volume
Sampling code			
Synchronous water level	230.9 (06/24/99)	230 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	11.2	< 2000		11.3	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	<7	< EQL	U	<7	< EQL	U	1	ug/L	WA
		Copper, total recoverable	3	NDD	J	1.8	NDD	J	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	<1	< EQL	U	.73	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	<26	< EQL	U	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	526	< 400000		458	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	34000	NDD	J	<38000	< EQL	U	1	ug/L	WA
		Zinc, total recoverable	<53	< EQL	U	<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromofom	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<6.7	< EQL	U	<4.98	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	493	NDD	J	407	NDD	J	1	ug/L	WA
		Total organic halogens	<120	< EQL	U	19.4	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 18D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	39.2	> 20		13.5	< 20		1	ug/L	WA
Radionuclides											
		Carbon-14	-3.51	< EQL	U	3.99	< EQL	U	1	pCi/L	GP
		Gross alpha	1.87	NDD	J	2.51	< 15		1	pCi/L	GP
		Nonvolatile beta	1.5	< EQL	U	1.94	NDD	J	1	pCi/L	GP
		Radium-226				.926	< EQL	U	1	pCi/L	GP
		Radium-228				1.23	NDD	J	1	pCi/L	GP
		Strontium-90	.383	< EQL	JU	-.0316	< EQL	U	1	pCi/L	GP
		Tritium	13.6	NDD	J	14.9	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 19DR**

<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>
N 75520 E 56800.7	33.28548 Deg N -81.6639 Deg W	216.7 - 196.7 ft msl	293.8 ft msl	2" PVC	V	UAZ_UTRA

<u>SAMPLE DATE</u>	05/19/99	11/03/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	231.12	230.09	ft msl
pH	5.2	4.5	pH
Sp. Conductance	32	31	uS/cm
Water temperature	19.8	18.4	deg. C
Total Alkalinity as CaCO ₃		0	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity	.3	.4	NTU
Volumes purged	2.69	9.06	well volume
Sampling code			
Synchronous water level	230.9 (06/24/99)	230 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	11.7	< 2000		11.4	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	<7	< EQL	U	<.75	< EQL	JU	1	ug/L	WA
		Copper, total recoverable	<15	< EQL	U	<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	<.58	< EQL	U	.39	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	<26	< EQL	U	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	313	NDD	J	299	NDD	J	1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	31000	NDD	J	43000	NDD	J	1	ug/L	WA
		Zinc, total recoverable	<53	< EQL	U	<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<8.1	< EQL	U	<5.65	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	358	NDD	J	374	NDD	J	1	ug/L	WA
		Total organic halogens	12.3	NDD	J	12.8	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 19DR

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	.522	< EQL	JU	.929	< EQL	U	1	pCi/L	GP
		Gross alpha	1.22	NDD	J	1.65	NDD	J	1	pCi/L	GP
		Nonvolatile beta	1.12	< EQL	U	1.45	NDD	J	1	pCi/L	GP
		Radium-226				2.39	NDD	J	1	pCi/L	GP
		Radium-228				.45	< EQL	U	1	pCi/L	GP
		Strontium-90	.47	< EQL	JU	~.123	< EQL	U	1	pCi/L	GP
+		Tritium	91.1	> 20	J	67.6	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 20A**

<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>
N 74966.4	33.28474 Deg N	96.3 - 86.3 ft msl	283.9 ft msl	2 " PVC	V	GA
E 57100.4	-81.6621 Deg W					

<u>SAMPLE DATE</u>	05/19/99	11/05/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	162.86	161.79	ft msl
pH	8.4	8.8	pH
Sp. Conductance	208	230	uS/cm
Water temperature	20.9	19.6	deg. C
Total Alkalinity as CaCO3	88	91	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity	.4	.8	NTU
Volumes purged	.244	.141	well volume
Sampling code			
Synchronous water level	162.7 (06/24/99)	162.1 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	45.2	< 2000		47.5	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	33.9	NDD	J	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	<7	< EQL	U	<1	< EQL	U	1	ug/L	WA
		Copper, total recoverable	<15	< EQL	U	<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<5.4	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	28.3	< 250		49.5	< 250		1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	<26	< EQL	U	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	7510	< 400000		7500	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	146000	NDD	J	124000			1	ug/L	WA
		Zinc, total recoverable	<53	< EQL	U	<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromofom	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chlorofom	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<7.92	< EQL	U	<4.32	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	270	NDD	J	1240	< 1000000		1	ug/L	WA
		Total organic halogens	<120	< EQL	U	<26	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold Italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in Italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 20A

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	1.49	< EQL	JU	-3.28	< EQL	U	1	pCi/L	GP
		Gross alpha	.521	< EQL	U	.917	< EQL	U	1	pCi/L	GP
		Nonvolatile beta	13.8	< 50		35.8	< 50		1	pCi/L	GP
		Radium-226				.0859	< EQL	U	1	pCi/L	GP
		Radium-228				.128	< EQL	U	1	pCi/L	GP
		Strontium-90	-.225	< EQL	JU	-.558	< EQL	U	1	pCi/L	GP
		Tritium	-.203	< EQL	JU	.0278	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 20AA**

<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>
N 74949.8	33.28469 Deg N	28.3 - 18.3 ft msl	283.6 ft msl	8 " SS	V	GA
E 57089.5	-81.6621 Deg W					

<u>SAMPLE DATE</u>	<u>05/19/99</u>	<u>11/29/99</u>

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	161.5	160.7	ft msl
pH	8.8	8.2	pH
Sp. Conductance	174	169	uS/cm
Water temperature	20.4	20.3	deg. C
Total Alkalinity as CaCO ₃	68	75	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity	.4	.4	NTU
Volumes purged	3.28	2.48	well volume
Sampling code			
Synchronous water level	161.3 (06/24/99)	160.7 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
		Inorganics									
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	69.6	< 2000		69.8	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	<7	< EQL	U	<7	< EQL	U	1	ug/L	WA
		Copper, total recoverable	<15	< EQL	U	<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	35.6	< 250		35.2	< 250		1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	<26	< EQL	U	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	10200	< 400000		9820	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	136000	NDD	J	144000			1	ug/L	WA
		Zinc, total recoverable	<53	< EQL	U	<53	< EQL	U	1	ug/L	WA
		Organics									
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<7.53	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	325	NDD	J	<5000	< EQL	U	1	ug/L	WA
		Total organic halogens	<120	< EQL	U	31	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 20AA

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	.944	< EQL	JU	-2.76	< EQL	U	1	pCi/L	GP
		Gross alpha	1.18	NDD	J	.251	< EQL	U	1	pCi/L	GP
		Nonvolatile beta	8.06	< 50		8.42	< 50		1	pCi/L	GP
		Radium-226				1	< EQL	U	1	pCi/L	GP
		Radium-228				.432	< EQL	U	1	pCi/L	GP
		Strontium-90	.207	< EQL	JU	.0359	< EQL	U	1	pCi/L	GP
		Tritium	-.269	< EQL	JU	-.286	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 20B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 74951.5 E 57119.8	33.28474 Deg N -81.6620 Deg W	141 - 131 ft msl	283.5 ft msl	2" PVC	V	LAZ_UTRA

SAMPLE DATE	05/19/99	11/05/99
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FIELD DATA

Parameter	2Q99	4Q99	Unit
Water Elevation	226.4	226.85	ft msl
pH	6.2	6.6	pH
Sp. Conductance	120	93	uS/cm
Water temperature	21	19.5	deg. C
Total Alkalinity as CaCO ₃	44	11	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity	.4	.8	NTU
Volumes purged	3.96	2.16	well volume
Sampling code			
Synchronous water level	227.1 (06/24/99)	226.6 (12/09/99)	ft msl

ANALYTICAL DATA

H	ST	Parameter	2Q99	Filt.	Mod	4Q99	Filt.	Mod	DF	Unit	Lab
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	9.8	< 2000	U	<1.8	< EQL	U	1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	4.6	NDD	J	<7	< EQL	U	1	ug/L	WA
		Copper, total recoverable	<15	< EQL	U	<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	<1	< EQL	U	.28	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	<26	< EQL	U	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	886	< 400000	U	866	< 400000	U	1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	69000	NDD	J	66000			1	ug/L	WA
		Zinc, total recoverable	<53	< EQL	U	<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<5	< EQL	U	<4.6	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	107	NDD	J	1360	< 1000000		1	ug/L	WA
		Total organic halogens	<120	< EQL	U	<13.3	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 20B

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	2.25	< EQL	JU	.871	< EQL	U	1	pCi/L	GP
		Gross alpha	.494	< EQL	U	.163	< EQL	U	1	pCi/L	GP
		Nonvolatile beta	1.27	NDD	J	.759	< EQL	U	1	pCi/L	GP
		Radium-226				.258	< EQL	U	1	pCi/L	GP
		Radium-228				.223	< EQL	U	1	pCi/L	GP
		Strontium-90	.408	< EQL	JU	.376	< EQL	U	1	pCi/L	GP
		Tritium	4.48	< 20		.0365	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 20C**

<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>
N 74937.6 E 57106	33.28469 Deg N -81.6620 Deg W	184 - 174 ft msl	283.5 ft msl	2 " PVC	V	LAZ_UTRA

<u>SAMPLE DATE</u>	05/19/99	11/05/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	227.7	228.3	ft msl
pH	5.5	5.5	pH
Sp. Conductance	28	27	uS/cm
Water temperature	20	18.8	deg. C
Total Alkalinity as CaCO ₃	3	2	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity	.2	.2	NTU
Volumes purged	4.88	2.58	well volume
Sampling code			
Synchronous water level	228.5 (06/24/99)	228 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	4.7	< 2000		4.4	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	3.5	NDD	J	4.7	NDD	J	1	ug/L	WA
		Copper, total recoverable	<15	< EQL	U	<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	<2.3	< EQL	U	2.5	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	<26	< EQL	U	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<.79	< EQL	JU	1	ug/L	WA
		Sulfate	617	< 400000		612	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	23000	NDD	J	<23000	< EQL	U	1	ug/L	WA
		Zinc, total recoverable	<53	< EQL	U	<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<5	< EQL	U	<5.03	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	182	NDD	J	194	NDD	J	1	ug/L	WA
		Total organic halogens	<120	< EQL	U	<120	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 20C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	.452	< EQL	JU	1.41	< EQL	U	1	pCi/L	GP
		Gross alpha	.81	NDD	J	.0471	< EQL	U	1	pCi/L	GP
		Nonvolatile beta	.968	< EQL	U	2.07	NDD	J	1	pCi/L	GP
		Radium-226				.436	< EQL	U	1	pCi/L	GP
		Radium-228				.0105	< EQL	U	1	pCi/L	GP
		Strontium-90	-.0147	< EQL	JU	.00104	< EQL	U	1	pCi/L	GP
		Tritium	5.51	NDD	J	6.28	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 20D**

<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>
N 74962.2 E 57113.8	33.28476 Deg N -81.6620 Deg W	236.3 - 216.3 ft msl	283.7 ft msl	4" PVC	S	UAZ_UTRA

<u>SAMPLE DATE</u>	<u>05/19/99</u>	<u>11/05/99</u>
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	232.5	231.53	ft msl
pH	4.8	5.2	pH
Sp. Conductance	54	52	uS/cm
Water temperature	20.7	21.7	deg. C
Total Alkalinity as CaCO ₃	9	0	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity	7.6	8.5	NTU
Volumes purged	.094	0	well volume
Sampling code	X	NX	
Synchronous water level		231.7 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	34.6	< 2000		36.2	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	<7	< EQL	U	<1.3	< EQL	U	1	ug/L	WA
		Copper, total recoverable	106	< 1000		69.4	< 1000		1	ug/L	WA
		Lead, total recoverable	6.1	NDD	J	<9.1	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	<1.2	< EQL	U	1.1	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	5.1	NDD	J	4.7	NDD	J	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	443	< 400000		445	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	39000	NDD	J	<30000	< EQL	U	1	ug/L	WA
		Zinc, total recoverable	166	< 5000		132	< 5000		1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<5	< EQL	U	<6.36	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	552	NDD	J	1930	< 1000000		1	ug/L	WA
		Total organic halogens	<120	< EQL	U	<16.7	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 20D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	.851	< EQL	JU	.459	< EQL	U	1	pCi/L	GP
		Gross alpha	2.87	< 15		2.02	NDD	J	1	pCi/L	GP
		Nonvolatile beta	2.95	NDD	J	1.78	NDD	J	1	pCi/L	GP
		Radium-226				1.45	< EQL	U	1	pCi/L	GP
		Radium-228				.682	NDD	J	1	pCi/L	GP
		Strontium-90	.261	< EQL	JU	.0949	< EQL	U	1	pCi/L	GP
+		Tritium	23.17	> 20		22.6	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 21D**

<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>
N 74688.5 E 57470.7	33.28473 Deg N -81.6605 Deg W	237.7 - 217.7 ft msl	285.4 ft msl	4 " PVC	S	UAZ_UTRA

<u>SAMPLE DATE</u>	05/19/99	11/05/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	233.41	232.62	ft msl
pH	5.6	5.4	pH
Sp. Conductance	46	42	uS/cm
Water temperature	24.9	24	deg. C
Total Alkalinity as CaCO3	9	0	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity	11.8	9.1	NTU
Volumes purged	.590	0	well volume
Sampling code	X	NX	
Synchronous water level	233.2 (06/24/99)	232.7 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Flt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Flt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	49.7	< 2000		44	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	29.2	NDD	J	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	<.95	< EQL	JU	<2.8	< EQL	U	1	ug/L	WA
		Copper, total recoverable	11.7	NDD	J	14.3	NDD	J	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<15	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	11.3	< 250		9.6	< 250		1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	3.3	NDD	J	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	483	< 400000		348	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	44000	NDD	J	28000	NDD	J	1	ug/L	WA
		Zinc, total recoverable	38.3	NDD	J	50.3	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<5	< EQL	U	<6.42	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	1490	< 1000000		1720	< 1000000		1	ug/L	WA
		Total organic halogens	32.6	NDD	J	<42.5	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 21D

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	-.963	< EQL	JU	1.78	< EQL	U	1	pCi/L	GP
		Gross alpha	2.13	NDD	J	2.57	NDD	J	1	pCi/L	GP
		Nonvolatile beta	1.86	NDD	J	2.7	NDD	J	1	pCi/L	GP
		Radium-226				2.35	< EQL	U	1	pCi/L	GP
		Radium-228				.476	< EQL	U	1	pCi/L	GP
		Strontium-90	-.11	< EQL	JU	-.409	< EQL	U	1	pCi/L	GP
+		Tritium	23.8	> 20	J	22.2	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 22DX**

<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>
N 74560.48 E 57770.74	33.28494 Deg N -81.6595 Deg W	237.85 - 217.9 ft msl	285.68 ft msl	2" PVC	V	UAZ_UTRA

<u>SAMPLE DATE</u>	05/19/99	11/05/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	233.99	233.38	ft msl
pH	4.8	4.8	pH
Sp. Conductance	48	48	uS/cm
Water temperature	20.8	18.9	deg. C
Total Alkalinity as CaCO ₃		0	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity	1.2	.7	NTU
Volumes purged	4.27	11.3	well volume
Sampling code			
Synchronous water level	233.8 (06/24/99)	233.4 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	52.2	< 2000		46.3	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	1.7	NDD	J	<7	< EQL	U	1	ug/L	WA
		Copper, total recoverable	5.6	NDD	J	3	NDD	J	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<16.6	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	<.44	< EQL	U	.37	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	<26	< EQL	U	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	330	NDD	J	318	NDD	J	1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	37000	NDD	J	37000	NDD	J	1	ug/L	WA
		Zinc, total recoverable	<53	< EQL	U	<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<5	< EQL	U	<4.97	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	1390	< 1000000		596	NDD	J	1	ug/L	WA
		Total organic halogens	12.2	NDD	J	<28.9	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 22DX

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	5	< EQL	JU	5.98	< EQL	U	1	pCi/L	GP
		Gross alpha	4.31	< 15		4.58	< 15		1	pCi/L	GP
		Nonvolatile beta	3.16	< 50		3.55	< 50		1	pCi/L	GP
		Radium-226				2.28	< EQL	U	1	pCi/L	GP
		Radium-228				.335	< EQL	U	1	pCi/L	GP
		Strontium-90	.0985	< EQL	JU	-.3	< EQL	U	1	pCi/L	GP
+		Tritium	21.7	> 20	J	22.2	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

*= exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 23D**

<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>
N 74238.1 E 58133	33.28482 Deg N -81.6579 Deg W	242 - 222 ft msl	289.2 ft msl	4 " PVC	S	UAZ_UTRA

<u>SAMPLE DATE</u>	05/19/99	11/05/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	235	234.54	ft msl
pH	6	5.3	pH
Sp. Conductance	36	33	uS/cm
Water temperature	22.5	20.6	deg. C
Total Alkalinity as CaCO ₃	5	4	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity	3.7	3	NTU
Volumes purged	2.86	3.46	well volume
Sampling code			
Synchronous water level	234.9 (06/24/99)	234.5 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	9.4	< 2000		8.9	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	39.9	NDD	J	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	1.5	NDD	J	<7	< EQL	U	1	ug/L	WA
		Copper, total recoverable	24.4	< 1000		26.7	< 1000		1	ug/L	WA
		Lead, total recoverable	7.8	NDD	J	<18.2	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	<1.7	< EQL	U	1.5	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	<26	< EQL	U	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<.56	< EQL	JU	<5	< EQL	U	1	ug/L	WA
		Sulfate	274	NDD	J	260	NDD	J	1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	33000	NDD	J	21000	NDD	J	1	ug/L	WA
		Zinc, total recoverable	16.4	NDD	J	16.1	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<6	< EQL	U	<6.58	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	387	NDD	J	249	NDD	J	1	ug/L	WA
		Total organic halogens	<120	< EQL	U	<120	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 23D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	2.77	< EQL	JU	-2.71	< EQL	U	1	pCi/L	GP
		Gross alpha	1.22	NDD	J	1.61	NDD	J	1	pCi/L	GP
		Nonvolatile beta	.783	< EQL	U	1.53	NDD	J	1	pCi/L	GP
		Radium-226				1.02	< EQL	U	1	pCi/L	GP
		Radium-228				.148	< EQL	U	1	pCi/L	GP
		Strontium-90	.0197	< EQL	JU	-.231	< EQL	U	1	pCi/L	GP
		Tritium	19.9	NDD	J	18.7	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 24D**

<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>
N 74012.4 E 58438.8	33.28482 Deg N -81.6567 Deg W	241 - 221 ft msl	293.2 ft msl	4 " PVC	S	UAZ_UTRA

SAMPLE DATE 05/19/99 11/05/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	236.35	235.94	ft msl
pH	6.8	5.9	pH
Sp. Conductance	54	44	uS/cm
Water temperature	20.9	21.5	deg. C
Total Alkalinity as CaCO3	18	18	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity	4.7	4.5	NTU
Volumes purged	.101	.103	well volume
Sampling code	X	NX	
Synchronous water level	236.2 (06/24/99)	236 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<40	< EQL	U	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	10.7	< 2000		14.2	< 2000		1	ug/L	WA
		Boron, total recoverable	<266	< EQL	U	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<4.7	< EQL	U	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	2.5	NDD	J	4.7	NDD	J	1	ug/L	WA
		Copper, total recoverable	3.1	NDD	J	2.9	NDD	J	1	ug/L	WA
		Lead, total recoverable	<47	< EQL	U	<12.6	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	<1.1	< EQL	U	1.3	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.71	< EQL	U	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	3.1	NDD	J	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<66	< EQL	U	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Sulfate	2050	< 400000		1940	< 400000		1	ug/L	WA
		Tin, total recoverable	<70	< EQL	U	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	60000	NDD	J	38000	NDD	J	1	ug/L	WA
		Zinc, total recoverable	9	NDD	J	41.4	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	< EQL	U	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<5	< EQL	U	<4.16	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Phenols	<37	< EQL	U	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	311	NDD	J	824	NDD	J	1	ug/L	WA
		Total organic halogens	<120	< EQL	U	<13.5	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 24D

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	< EQL	U	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	.87	< EQL	JU	-1.32	< EQL	U	1	pCi/L	GP
		Gross alpha	2.1	< 15		4.11	< 15		1	pCi/L	GP
		Nonvolatile beta	2.55	NDD	J	2.67	NDD	J	1	pCi/L	GP
		Radium-226				1.57	< EQL	U	1	pCi/L	GP
		Radium-228				.102	< EQL	U	1	pCi/L	GP
		Strontium-90	.0849	< EQL	JU	-.354	< EQL	U	1	pCi/L	GP
		Tritium	11.2	NDD	J	10.6	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 25A

<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>
N 76158.5 E 55668.1	33.28504 Deg N -81.6682 Deg W	114.1 - 104.1 ft msl	296.5 ft msl	4 " PVC	S	GA

SAMPLE DATE 11/05/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	160.46	ft msl
pH		6.5	pH
Sp. Conductance		232	uS/cm
Water temperature		19.5	deg. C
Total Alkalinity as CaCO ₃		107	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		3.5	NTU
Volumes purged		.027	well volume
Sampling code		NX	
Synchronous water level	161.1 (06/25/99)	159.8 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				34.2	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<1.1	< EQL	U	1	ug/L	WA
		Copper, total recoverable				18.3	< 1000		1	ug/L	WA
		Lead, total recoverable				<15.9	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				1.4	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				9490	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				169000			1	ug/L	WA
		Zinc, total recoverable				10.9	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<4.71	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				1490	< 1000000		1	ug/L	WA
		Total organic halogens				<20.8	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 25A

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				3.36	< EQL	U	1	pCi/L	GP
		Gross alpha				.963	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				1.08	< EQL	U	1	pCi/L	GP
		Radium-226				.179	< EQL	U	1	pCi/L	GP
		Radium-228				.139	< EQL	U	1	pCi/L	GP
		Strontium-90				-.435	< EQL	U	1	pCi/L	GP
		Tritium				-.227	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 29A**

<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>
N 75560 E 54103.5	33.28117 Deg N -81.6711 Deg W	112.5 - 102.5 ft msl	264.2 ft msl	4" PVC	S	GA

SAMPLE DATE 11/09/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	158.9	ft msl
pH		6.5	pH
Sp. Conductance		126	uS/cm
Water temperature		21.2	deg. C
Total Alkalinity as CaCO ₃		44	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		2.4	NTU
Volumes purged		0	well volume
Sampling code		NX	
Synchronous water level	159.6 (06/25/99)	158.8 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				29.1	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				6.5	NDD	J	1	ug/L	WA
		Copper, total recoverable				2.7	NDD	J	1	ug/L	WA
		Lead, total recoverable				16.6	NDD	J	1	ug/L	WA
		Lithium, total recoverable				1.8	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				2.9	NDD	J	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				846	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				86000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				42.9	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<23.9	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				1430	< 1000000		1	ug/L	WA
		Total organic halogens				<120	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 29A

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				4.46	NDD	J	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				.73	< EQL	U	1	pCi/L	GP
		Gross alpha				.698	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				1.92	NDD	J	1	pCi/L	GP
		Radium-226				.604	< EQL	U	1	pCi/L	GP
		Radium-228				.122	< EQL	U	1	pCi/L	GP
		Strontium-90				-.604	< EQL	U	1	pCi/L	GP
		Tritium				16.1	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 29C**

<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>
N 75577.8 E 54099.1	33.28120 Deg N -81.6712 Deg W	186.8 - 176.8 ft msl	264.8 ft msl	4" PVC	S	LAZ_UTRA

SAMPLE DATE 12/15/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	220.19	ft msl
pH		5	pH
Sp. Conductance		31	uS/cm
Water temperature		17.6	deg. C
Total Alkalinity as CaCO ₃		1	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		9.3	NTU
Volumes purged		.035	well volume
Sampling code		NX	
Synchronous water level	221.5 (06/25/99)	220.4 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
		Inorganics									
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				15.4	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<2.4	< EQL	U	1	ug/L	WA
		Copper, total recoverable				6.2	NDD	J	1	ug/L	WA
		Lead, total recoverable				4.9	NDD	J	1	ug/L	WA
		Lithium, total recoverable				1	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				379	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				10000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				10.9	NDD	J	1	ug/L	WA
		Organics									
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<7.05	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				6470	< 1000000		1	ug/L	WA
		Total organic halogens				27.6	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 29C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				.527	< EQL	U	1	pCi/L	GP
		Gross alpha				1.66	NDD	J	1	pCi/L	GP
		Nonvolatile beta				1.82	< EQL	U	1	pCi/L	GP
		Radium-226				.864	< EQL	U	1	pCi/L	GP
		Radium-228				.62	< EQL	JU	1	pCi/L	GP
		Strontium-90				-.0379	< EQL	U	1	pCi/L	GP
+		Tritium				581	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 29D**

<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>
N 75592.5 E 54099.4	33.28123 Deg N -81.6712 Deg W	228.5 - 208.5 ft msl	265.5 ft msl	4 " PVC	S	UAZ_UTRA

SAMPLE DATE 11/29/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	223.88	ft msl
pH		4.4	pH
Sp. Conductance		48	uS/cm
Water temperature		20.3	deg. C
Total Alkalinity as CaCO ₃		0	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		4.2	NTU
Volumes purged		.399	well volume
Sampling code		NX	
Synchronous water level	224.6 (06/25/99)	223.7 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				17.7	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				1.5	NDD	J	1	ug/L	WA
		Copper, total recoverable				37.4	< 1000		1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				1.7	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				8.1	NDD	J	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				7630	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				38000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				81.2	< 5000		1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				<5000	< EQL	U	1	ug/L	WA
		Total organic halogens				15.4	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold Italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in Italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 29D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				.833	< EQL	U	1	pCi/L	GP
		Gross alpha				4.02	< 15		1	pCi/L	GP
		Nonvolatile beta				2.49	< 50		1	pCi/L	GP
		Radium-226				2.11	< EQL	U	1	pCi/L	GP
		Radium-228				.671	NDD	J	1	pCi/L	GP
		Strontium-90				.426	< EQL	U	1	pCi/L	GP
		Tritium				6.98	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 40D**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N 76125.8 E 54638.6	33.28329 Deg N -81.6708 Deg W	226.5 - 216.6 ft msl	288.4 ft msl	4" PVC	S	UAZ_UTRA

SAMPLE DATE 11/30/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	220.42	ft msl
pH		6	pH
Sp. Conductance		108	uS/cm
Water temperature		17.1	deg. C
Total Alkalinity as CaCO ₃		55	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		199	NTU
Volumes purged		0	well volume
Sampling code		NX	
Synchronous water level	221.1 (06/25/99)	220.1 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	1	ug/L	WA			
		Arsenic, total recoverable	<4.1	< EQL	U	1	ug/L	WA			
		Barium, total recoverable	99.1	< 2000		1	ug/L	WA			
		Boron, total recoverable	<266	< EQL	U	1	ug/L	WA			
		Cadmium, total recoverable	.62	NDD	J	1	ug/L	WA			
		Chromium, total recoverable	24.5	< 100		1	ug/L	WA			
		Copper, total recoverable	13.2	NDD	J	1	ug/L	WA			
		Lead, total recoverable	31	NDD	J	1	ug/L	WA			
		Lithium, total recoverable	135	< 250		1	ug/L	WA			
		Mercury, total recoverable	<.7	< EQL	U	1	ug/L	WA			
		Nickel, total recoverable	15	NDD	J	1	ug/L	WA			
		Selenium, total recoverable	<66	< EQL	U	1	ug/L	WA			
		Silver, total recoverable	19.3	< 100		1	ug/L	WA			
		Sulfate	947	< 400000		1	ug/L	WA			
		Tin, total recoverable	<70	< EQL	U	1	ug/L	WA			
		Total dissolved solids	98000	NDD	J	1	ug/L	WA			
		Zinc, total recoverable	152	< 5000		1	ug/L	WA			
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethylene	<5	< EQL	JU	1	ug/L	WA			
		1,2-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloropropane	<5	< EQL	U	1	ug/L	WA			
		2-Chloroethyl vinyl ether	<10	< EQL	U	1	ug/L	WA			
		Benzene	<5	< EQL	U	1	ug/L	WA			
		Bromodichloromethane	<5	< EQL	U	1	ug/L	WA			
		Bromoform	<5	< EQL	U	1	ug/L	WA			
		Bromomethane (Methyl bromide)	<10	< EQL	U	1	ug/L	WA			
		Carbon tetrachloride	<5	< EQL	U	1	ug/L	WA			
		Chlorobenzene	<5	< EQL	U	1	ug/L	WA			
		Chloroethane	<10	< EQL	U	1	ug/L	WA			
		Chloroethene (Vinyl chloride)	<10	< EQL	U	1	ug/L	WA			
		Chloroform	<5	< EQL	U	1	ug/L	WA			
		Chloromethane (Methyl chloride)	<10	< EQL	U	1	ug/L	WA			
		cis-1,3-Dichloropropene	<5	< EQL	U	1	ug/L	WA			
		Dibromochloromethane	<5	< EQL	U	1	ug/L	WA			
		Dichloromethane (Methylene chloride)	<7.43	< EQL	U	1	ug/L	WA			
		Ethylbenzene	<5	< EQL	U	1	ug/L	WA			
		Phenols	<37	< EQL	U	1	ug/L	WA			
		Tetrachloroethylene	<5	< EQL	U	1	ug/L	WA			
		Toluene	<5	< EQL	U	1	ug/L	WA			
		Total organic carbon	684	NDD	J	1	ug/L	WA			
		Total organic halogens	13.3	NDD	J	1	ug/L	WA			
		trans-1,2-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 40D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				1.32	NDD	J	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-6.26	< EQL	U	1	pCi/L	GP
		Gross alpha				3.64	< 15		1	pCi/L	GP
		Nonvolatile beta				6.58	< 50		1	pCi/L	GP
		Radium-226				.179	< EQL	U	1	pCi/L	GP
		Radium-228				.774	< EQL	U	1	pCi/L	GP
		Strontium-90				-.0989	< EQL	U	1	pCi/L	GP
		Tritium				5.5	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 41A**

<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>
N 76469.5 E 55403.7	33.28530 Deg N -81.6695 Deg W	113.3 - 103.3 ft msl	300.3 ft msl	4 " PVC	S	GA

SAMPLE DATE 11/10/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	158.51	ft msl
pH		11.3	pH
Sp. Conductance		3909	uS/cm
Water temperature		19	deg. C
Total Alkalinity as CaCO ₃		914	mg/L
Phenolphthalein Alkalinity as CaCO ₃		899	mg/L
Turbidity		1.1	NTU
Volumes purged		.028	well volume
Sampling code		NX	
Synchronous water level	159.3 (06/25/99)	158.9 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<3.1	< EQL	U	1	ug/L	WA			
		Arsenic, total recoverable	<40	< EQL	U	1	ug/L	WA			
		Barium, total recoverable	426	< 2000		1	ug/L	WA			
		Boron, total recoverable	<266	< EQL	U	1	ug/L	WA			
		Cadmium, total recoverable	<4.7	< EQL	U	1	ug/L	WA			
		Chromium, total recoverable	13.2	< 100		1	ug/L	WA			
		Copper, total recoverable	2.2	NDD	J	1	ug/L	WA			
		Lead, total recoverable	12.3	NDD	J	1	ug/L	WA			
		Lithium, total recoverable	95.9	< 250		1	ug/L	WA			
		Mercury, total recoverable	<.7	< EQL	U	1	ug/L	WA			
		Nickel, total recoverable	2.9	NDD	J	1	ug/L	WA			
		Selenium, total recoverable	<66	< EQL	U	1	ug/L	WA			
		Silver, total recoverable	<.76	< EQL	JU	1	ug/L	WA			
		Sulfate	7940	NDD	J	1	ug/L	WA			
		Tin, total recoverable	<70	< EQL	U	1	ug/L	WA			
		Total dissolved solids	448000	NDD	J	1	ug/L	WA			
		Zinc, total recoverable	<53	< EQL	U	1	ug/L	WA			
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloropropane	<5	< EQL	U	1	ug/L	WA			
		2-Chloroethyl vinyl ether	<10	< EQL	U	1	ug/L	WA			
		Benzene	<5	< EQL	U	1	ug/L	WA			
		Bromodichloromethane	<5	< EQL	U	1	ug/L	WA			
		Bromoform	<5	< EQL	U	1	ug/L	WA			
		Bromomethane (Methyl bromide)	<10	< EQL	U	1	ug/L	WA			
		Carbon tetrachloride	<5	< EQL	U	1	ug/L	WA			
		Chlorobenzene	<5	< EQL	U	1	ug/L	WA			
		Chloroethane	<10	< EQL	U	1	ug/L	WA			
		Chloroethene (Vinyl chloride)	<10	< EQL	U	1	ug/L	WA			
		Chloroform	<5	< EQL	U	1	ug/L	WA			
		Chloromethane (Methyl chloride)	<10	< EQL	U	1	ug/L	WA			
		cis-1,3-Dichloropropene	<5	< EQL	U	1	ug/L	WA			
		Dibromochloromethane	<5	< EQL	U	1	ug/L	WA			
		Dichloromethane (Methylene chloride)	<5.98	< EQL	U	1	ug/L	WA			
		Ethylbenzene	<5	< EQL	U	1	ug/L	WA			
		Phenols	<37	< EQL	U	1	ug/L	WA			
		Tetrachloroethylene	<5	< EQL	U	1	ug/L	WA			
		Toluene	<5	< EQL	U	1	ug/L	WA			
		Total organic carbon	2730	< 1000000		1	ug/L	WA			
		Total organic halogens	25	NDD	J	1	ug/L	WA			
		trans-1,2-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 41A

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				4.74	NDD	J	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-1.75	< EQL	U	1	pCi/L	GP
		Gross alpha				6.94	< 15		1	pCi/L	GP
		Nonvolatile beta				6.87	< 50		1	pCi/L	GP
		Radium-226				4.26	< 5		1	pCi/L	GP
		Radium-228				.662	< EQL	U	1	pCi/L	GP
		Strontium-90				-.0712	< EQL	U	1	pCi/L	GP
		Tritium				.835	NDD	J	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide result. in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 42C**

<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>
N 76404.7 E 55522.3	33.28535 Deg N -81.6690 Deg W	195.9 - 185.9 ft msl	297.9 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE 11/08/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	221.31	ft msl
pH		5.3	pH
Sp. Conductance		28	uS/cm
Water temperature		20.3	deg. C
Total Alkalinity as CaCO ₃		3	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.8	NTU
Volumes purged		2.73	well volume
Sampling code			
Synchronous water level	222.1 (06/25/99)	221 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
		Inorganics									
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				17.9	< 2000		1	ug/L	WA
		Boron, total recoverable				68.2	NDD	J	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<1.3	< EQL	U	1	ug/L	WA
		Copper, total recoverable				10	NDD	J	1	ug/L	WA
		Lead, total recoverable				<7.4	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				1.9	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				624	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				22000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				20.3	NDD	J	1	ug/L	WA
		Organics									
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<4.1	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				356	NDD	J	1	ug/L	WA
		Total organic halogens				87	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 42C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
	+	Trichloroethylene				97.6	> 5		1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-1.85	< EQL	U	1	pCi/L	GP
		Gross alpha				1.29	NDD	J	1	pCi/L	GP
		Nonvolatile beta				1.81	NDD	J	1	pCi/L	GP
		Radium-226				.168	< EQL	U	1	pCi/L	GP
		Radium-228				.353	< EQL	U	1	pCi/L	GP
		Strontium-90				.0395	< EQL	U	1	pCi/L	GP
		Tritium				11.2	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide result. in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 43A**

<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>
N 77061.4 E 56253.4	33.28799 Deg N -81.6684 Deg W	115.9 - 105.9 ft msl	314.9 ft msl	4 " PVC	S	GA

SAMPLE DATE 11/09/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	156.19	ft msl
pH		11.3	pH
Sp. Conductance		934	uS/cm
Water temperature		20.2	deg. C
Total Alkalinity as CaCO ₃		185	mg/L
Phenolphthalein Alkalinity as CaCO ₃		170	mg/L
Turbidity		2.8	NTU
Volumes purged		.030	well volume
Sampling code		NX	
Synchronous water level	157 (06/25/99)	157.3 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
		Inorganics									
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				312	< 2000		1	ug/L	WA
		Boron, total recoverable				28.9	NDD	J	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				14.9	< 100		1	ug/L	WA
		Copper, total recoverable				1.7	NDD	J	1	ug/L	WA
		Lead, total recoverable				5.1	NDD	J	1	ug/L	WA
+		Lithium, total recoverable				559	> 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				11300	< 400000		2	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				221000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
		Organics									
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<7.2	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				5390	< 1000000		1	ug/L	WA
		Total organic halogens				12.5	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 43A

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				2.92	< EQL	U	1	pCi/L	GP
		Gross alpha				1.94	NDD	J	1	pCi/L	GP
		Nonvolatile beta				10.6	< 50		1	pCi/L	GP
		Radium-226				.76	< EQL	U	1	pCi/L	GP
		Radium-228				1.37	NDD	J	1	pCi/L	GP
		Strontium-90				.215	< EQL	U	1	pCi/L	GP
		Tritium				2.23	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 43AA

<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>
N 77066 E 56268.6	33.28803 Deg N -81.6683 Deg W	72.2 - 62.2 ft msl	314.3 ft msl	4 " PVC	S	GA

SAMPLE DATE 11/09/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	155.73	ft msl
pH		8.1	pH
Sp. Conductance		209	uS/cm
Water temperature		20	deg. C
Total Alkalinity as CaCO ₃		92	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.9	NTU
Volumes purged		2.71	well volume
Sampling code			
Synchronous water level	156.3 (06/25/99)	155.7 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				45.9	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				1.3	NDD	J	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				9.9	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				6850	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				130000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<12.4	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				289	NDD	J	1	ug/L	WA
		Total organic halogens				27.3	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 43AA

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				.872	< EQL	U	1	pCi/L	GP
		Gross alpha				1.13	NDD	J	1	pCi/L	GP
		Nonvolatile beta				1.22	NDD	J	1	pCi/L	GP
		Radium-226				.868	< EQL	U	1	pCi/L	GP
		Radium-228				.409	< EQL	U	1	pCi/L	GP
		Strontium-90				.282	< EQL	U	1	pCi/L	GP
		Tritium				-.0284	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 43CR**

<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>
N 77035.2 E 56237.2	33.28791 Deg N -81.6684 Deg W	188.4 - 178.4 ft msl	315.3 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE 11/09/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	223.15	ft msl
pH		9.3	pH
Sp. Conductance		90	uS/cm
Water temperature		19.9	deg. C
Total Alkalinity as CaCO ₃		22	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		5.5	NTU
Volumes purged		.034	well volume
Sampling code		NX	
Synchronous water level	224.1 (06/25/99)	222.3 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	1	ug/L	WA			
		Arsenic, total recoverable	<40	< EQL	U	1	ug/L	WA			
		Barium, total recoverable	70.8	< 2000	U	1	ug/L	WA			
		Boron, total recoverable	104	NDD	J	1	ug/L	WA			
		Cadmium, total recoverable	<4.7	< EQL	U	1	ug/L	WA			
		Chromium, total recoverable	2.5	NDD	J	1	ug/L	WA			
		Copper, total recoverable	2.7	NDD	J	1	ug/L	WA			
		Lead, total recoverable	6.4	NDD	J	1	ug/L	WA			
		Lithium, total recoverable	54.9	< 250	U	1	ug/L	WA			
		Mercury, total recoverable	<.7	< EQL	U	1	ug/L	WA			
		Nickel, total recoverable	<26	< EQL	U	1	ug/L	WA			
		Selenium, total recoverable	<66	< EQL	U	1	ug/L	WA			
		Silver, total recoverable	<5	< EQL	U	1	ug/L	WA			
		Sulfate	12800	< 400000	U	2	ug/L	WA			
		Tin, total recoverable	<70	< EQL	U	1	ug/L	WA			
		Total dissolved solids	53000	NDD	J	1	ug/L	WA			
		Zinc, total recoverable	24.4	NDD	J	1	ug/L	WA			
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloropropane	<5	< EQL	U	1	ug/L	WA			
		2-Chloroethyl vinyl ether	<10	< EQL	U	1	ug/L	WA			
		Benzene	<5	< EQL	U	1	ug/L	WA			
		Bromodichloromethane	<5	< EQL	U	1	ug/L	WA			
		Bromoform	<5	< EQL	U	1	ug/L	WA			
		Bromomethane (Methyl bromide)	<10	< EQL	U	1	ug/L	WA			
		Carbon tetrachloride	<5	< EQL	U	1	ug/L	WA			
		Chlorobenzene	<5	< EQL	U	1	ug/L	WA			
		Chloroethane	<10	< EQL	U	1	ug/L	WA			
		Chloroethene (Vinyl chloride)	<10	< EQL	U	1	ug/L	WA			
		Chloroform	<5	< EQL	U	1	ug/L	WA			
		Chloromethane (Methyl chloride)	<10	< EQL	U	1	ug/L	WA			
		cis-1,3-Dichloropropene	<5	< EQL	U	1	ug/L	WA			
		Dibromochloromethane	<5	< EQL	U	1	ug/L	WA			
		Dichloromethane (Methylene chloride)	<13.2	< EQL	U	1	ug/L	WA			
		Ethylbenzene	<5	< EQL	U	1	ug/L	WA			
		Phenols	<37	< EQL	U	1	ug/L	WA			
		Tetrachloroethylene	<5	< EQL	U	1	ug/L	WA			
		Toluene	<5	< EQL	U	1	ug/L	WA			
		Total organic carbon	907	NDD	J	1	ug/L	WA			
		Total organic halogens	16.1	NDD	J	1	ug/L	WA			
		trans-1,2-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 43CR

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				4.39	< EQL	U	1	pCi/L	GP
+		Gross alpha				23.9	> 15		1	pCi/L	GP
		Nonvolatile beta				14.4	< 50		1	pCi/L	GP
+		Radium-226				5.63	> 5		1	pCi/L	GP
		Radium-228				3	< 5		1	pCi/L	GP
		Strontium-90				.554	< EQL	JU	1	pCi/L	GP
		Tritium				4.38	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 43D**

<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>
N 77056.7 E 56238.8	33.28796 Deg N -81.6684 Deg W	208.2 - 198.2 ft msl	315.3 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE 11/09/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	229.35	ft msl
pH		5.8	pH
Sp. Conductance		54	uS/cm
Water temperature		19.7	deg. C
Total Alkalinity as CaCO ₃		10	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.4	NTU
Volumes purged		4.09	well volume
Sampling code			
Synchronous water level	230.4 (06/25/99)	229.1 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	1	ug/L	WA			
		Arsenic, total recoverable	<40	< EQL	U	1	ug/L	WA			
		Barium, total recoverable	15.1	< 2000		1	ug/L	WA			
		Boron, total recoverable	46.3	NDD	J	1	ug/L	WA			
		Cadmium, total recoverable	<4.7	< EQL	U	1	ug/L	WA			
		Chromium, total recoverable	<.84	< EQL	JU	1	ug/L	WA			
		Copper, total recoverable	2.2	NDD	J	1	ug/L	WA			
		Lead, total recoverable	11.7	NDD	J	1	ug/L	WA			
		Lithium, total recoverable	2.1	NDD	J	1	ug/L	WA			
		Mercury, total recoverable	<.7	< EQL	U	1	ug/L	WA			
		Nickel, total recoverable	<26	< EQL	U	1	ug/L	WA			
		Selenium, total recoverable	<66	< EQL	U	1	ug/L	WA			
		Silver, total recoverable	<5	< EQL	U	1	ug/L	WA			
		Sulfate	8240	< 400000		1	ug/L	WA			
		Tin, total recoverable	<70	< EQL	U	1	ug/L	WA			
		Total dissolved solids	24000	NDD	J	1	ug/L	WA			
		Zinc, total recoverable	5.3	NDD	J	1	ug/L	WA			
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloropropane	<5	< EQL	U	1	ug/L	WA			
		2-Chloroethyl vinyl ether	<10	< EQL	U	1	ug/L	WA			
		Benzene	<5	< EQL	U	1	ug/L	WA			
		Bromodichloromethane	<5	< EQL	U	1	ug/L	WA			
		Bromoform	<5	< EQL	U	1	ug/L	WA			
		Bromomethane (Methyl bromide)	<10	< EQL	U	1	ug/L	WA			
		Carbon tetrachloride	<5	< EQL	U	1	ug/L	WA			
		Chlorobenzene	<5	< EQL	U	1	ug/L	WA			
		Chloroethane	<10	< EQL	U	1	ug/L	WA			
		Chloroethene (Vinyl chloride)	<10	< EQL	U	1	ug/L	WA			
		Chloroform	<5	< EQL	U	1	ug/L	WA			
		Chloromethane (Methyl chloride)	<10	< EQL	U	1	ug/L	WA			
		cis-1,3-Dichloropropene	<5	< EQL	U	1	ug/L	WA			
		Dibromochloromethane	<5	< EQL	U	1	ug/L	WA			
		Dichloromethane (Methylene chloride)	<6.72	< EQL	U	1	ug/L	WA			
		Ethylbenzene	<5	< EQL	U	1	ug/L	WA			
		Phenols	<37	< EQL	U	1	ug/L	WA			
		Tetrachloroethylene	<5	< EQL	U	1	ug/L	WA			
		Toluene	<5	< EQL	U	1	ug/L	WA			
		Total organic carbon	202	NDD	J	1	ug/L	WA			
		Total organic halogens	15.6	NDD	J	1	ug/L	WA			
		trans-1,2-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 43D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				4.38	< EQL	U	1	pCi/L	GP
		Gross alpha				6.25	< 15		1	pCi/L	GP
		Nonvolatile beta				4.22	< 50		1	pCi/L	GP
		Radium-226				2.03	< EQL	U	1	pCi/L	GP
		Radium-228				.212	< EQL	U	1	pCi/L	GP
		Strontium-90				.281	< EQL	JU	1	pCi/L	GP
		Tritium				4.46	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 44A**

<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>
N 76755.2 E 57851.2	33.28992 Deg N -81.6636 Deg W	108 - 98 ft msl	285.3 ft msl	4 " PVC	S	GA

SAMPLE DATE 11/09/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	157.6	ft msl
pH		6.9	pH
Sp. Conductance		179	uS/cm
Water temperature		19.5	deg. C
Total Alkalinity as CaCO ₃		68	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.5	NTU
Volumes purged		3.82	well volume
Sampling code			
Synchronous water level	158.4 (06/25/99)	157.8 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				31.6	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<1.2	< EQL	JU	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				4.3	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				5910	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				119000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<4.78	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				265	NDD	J	1	ug/L	WA
		Total organic halogens				27.7	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 44A

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				4.43	< EQL	U	1	pCi/L	GP
		Gross alpha				.929	NDD	J	1	pCi/L	GP
		Nonvolatile beta				2.83	< 50		1	pCi/L	GP
		Radium-226				1.05	< EQL	U	1	pCi/L	GP
		Radium-228				.242	< EQL	U	1	pCi/L	GP
		Strontium-90				.271	< EQL	JU	1	pCi/L	GP
		Tritium				-.114	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 44AA**

<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>
N 76757	33.28998 Deg N	71.3 - 61.2 ft msl	285.3 ft msl	4" PVC	S	GA
E 57880.5	-81.6635 Deg W					

SAMPLE DATE 11/09/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	157.63	ft msl
pH		9.4	pH
Sp. Conductance		195	uS/cm
Water temperature		19.9	deg. C
Total Alkalinity as CaCO ₃		78	mg/L
Phenolphthalein Alkalinity as CaCO ₃		41	mg/L
Turbidity		1	NTU
Volumes purged		3.09	well volume
Sampling code			
Synchronous water level	158.4 (06/25/99)	157.9 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	1	ug/L	WA			
		Arsenic, total recoverable	<40	< EQL	U	1	ug/L	WA			
		Barium, total recoverable	77.4	< 2000		1	ug/L	WA			
		Boron, total recoverable	<266	< EQL	U	1	ug/L	WA			
		Cadmium, total recoverable	<4.7	< EQL	U	1	ug/L	WA			
		Chromium, total recoverable	<7	< EQL	U	1	ug/L	WA			
		Copper, total recoverable	<15	< EQL	U	1	ug/L	WA			
		Lead, total recoverable	<47	< EQL	U	1	ug/L	WA			
		Lithium, total recoverable	48.6	< 250		1	ug/L	WA			
		Mercury, total recoverable	<.7	< EQL	U	1	ug/L	WA			
		Nickel, total recoverable	<26	< EQL	U	1	ug/L	WA			
		Selenium, total recoverable	<66	< EQL	U	1	ug/L	WA			
		Silver, total recoverable	<5	< EQL	U	1	ug/L	WA			
		Sulfate	9170	< 400000		2	ug/L	WA			
		Tin, total recoverable	<70	< EQL	U	1	ug/L	WA			
		Total dissolved solids	67000	NDD	J	1	ug/L	WA			
		Zinc, total recoverable	<53	< EQL	U	1	ug/L	WA			
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloropropane	<5	< EQL	U	1	ug/L	WA			
		2-Chloroethyl vinyl ether	<10	< EQL	U	1	ug/L	WA			
		Benzene	<5	< EQL	U	1	ug/L	WA			
		Bromodichloromethane	<5	< EQL	U	1	ug/L	WA			
		Bromoform	<5	< EQL	U	1	ug/L	WA			
		Bromomethane (Methyl bromide)	<10	< EQL	U	1	ug/L	WA			
		Carbon tetrachloride	<5	< EQL	U	1	ug/L	WA			
		Chlorobenzene	<5	< EQL	U	1	ug/L	WA			
		Chloroethane	<10	< EQL	U	1	ug/L	WA			
		Chloroethene (Vinyl chloride)	<10	< EQL	U	1	ug/L	WA			
		Chloroform	<5	< EQL	U	1	ug/L	WA			
		Chloromethane (Methyl chloride)	5.15	NDD	J	1	ug/L	WA			
		cis-1,3-Dichloropropene	<5	< EQL	U	1	ug/L	WA			
		Dibromochloromethane	<5	< EQL	U	1	ug/L	WA			
		Dichloromethane (Methylene chloride)	<8.58	< EQL	U	1	ug/L	WA			
		Ethylbenzene	<5	< EQL	U	1	ug/L	WA			
		Phenols	<37	< EQL	U	1	ug/L	WA			
		Tetrachloroethylene	<5	< EQL	U	1	ug/L	WA			
		Toluene	<5	< EQL	U	1	ug/L	WA			
		Total organic carbon	301	NDD	J	1	ug/L	WA			
		Total organic halogens	25.6	NDD	J	1	ug/L	WA			
		trans-1,2-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 44AA

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				.819	< EQL	U	1	pCi/L	GP
		Gross alpha				2.03	NDD	J	1	pCi/L	GP
		Nonvolatile beta				4.79	< 50		1	pCi/L	GP
		Radium-226				2.45	< EQL	U	1	pCi/L	GP
		Radium-228				-.00869	< EQL	U	1	pCi/L	GP
		Strontium-90				.0174	< EQL	JU	1	pCi/L	GP
		Tritium				2.5	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 44B**

<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>
N 76756 E 57865.8	33.28995 Deg N -81.6635 Deg W	158.1 - 148.1 ft msl	285.2 ft msl	4" PVC	S	LAZ_UTRA

SAMPLE DATE

11/09/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	219.09	ft msl
pH		10.8	pH
Sp. Conductance		946	uS/cm
Water temperature		19.9	deg. C
Total Alkalinity as CaCO ₃		81	mg/L
Phenolphthalein Alkalinity as CaCO ₃		37	mg/L
Turbidity		3.8	NTU
Volumes purged		0	well volume
Sampling code		NX	
Synchronous water level	219.9 (06/25/99)	218.9 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				55.1	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				1	NDD	J	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				.29	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<.54	< EQL	JU	1	ug/L	WA
		Sulfate				300	NDD	J	1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				7000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				419	NDD	J	1	ug/L	WA
		Total organic halogens				13.3	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 44B

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				25.2	< 2000		1	pCi/L	GP
		Gross alpha				2.14	NDD	J	1	pCi/L	GP
		Nonvolatile beta				5.95	< 50		1	pCi/L	GP
		Radium-226				.973	< EQL	U	1	pCi/L	GP
		Radium-228				.593	< EQL	U	1	pCi/L	GP
		Strontium-90				.452	< EQL	JU	1	pCi/L	GP
+		Tritium				68.2	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 44C**

<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>
N 76757.8 E 57894.9	33.29000 Deg N -81.6635 Deg W	200.6 - 190.6 ft msl	285.6 ft msl	4" PVC	S	LAZ_UTRA

SAMPLE DATE 11/09/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	218.88	ft msl
pH		8.5	pH
Sp. Conductance		99	uS/cm
Water temperature		20.2	deg. C
Total Alkalinity as CaCO ₃		40	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		13.4	NTU
Volumes purged		0	well volume
Sampling code		NX	
Synchronous water level	219.7 (06/25/99)	218.6 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				57.1	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				4.9	NDD	J	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				16.4	NDD	J	1	ug/L	WA
		Lithium, total recoverable				15.9	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				4.5	NDD	J	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				1220	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				50000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				34.1	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				<1000	< EQL	U*	1	ug/L	WA
		Total organic halogens				14.1	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 44C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-.107	< EQL	U	1	pCi/L	GP
		Gross alpha				5.63	< 15		1	pCi/L	GP
		Nonvolatile beta				5.59	< 50		1	pCi/L	GP
		Radium-226				1.84	< EQL	U	1	pCi/L	GP
		Radium-228				.598	< EQL	U	1	pCi/L	GP
		Strontium-90				-.465	< EQL	JU	1	pCi/L	GP
+		Tritium				61.2	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 44D**

<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>
N 76759.5 E 57910	33.29003 Deg N -81.6634 Deg W	233.4 - 223.4 ft msl	285.4 ft msl	4" PVC	S	UAZ_UTRA

SAMPLE DATE 11/09/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	230.41	ft msl
pH		4.5	pH
Sp. Conductance		18	uS/cm
Water temperature		19.7	deg. C
Total Alkalinity as CaCO ₃		0	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		1	NTU
Volumes purged		7.39	well volume
Sampling code			
Synchronous water level	230.9 (06/25/99)	230.3 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				135	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				3.6	NDD	J	1	ug/L	WA
		Copper, total recoverable				1.8	NDD	J	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				50.7	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				8350	< 400000		2	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				83000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				145	< 5000		1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				3450	< 1000000		1	ug/L	WA
		Total organic halogens				17.8	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 44D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				4.1	NDD	J	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				2.61	< EQL	U	1	pCi/L	GP
		Gross alpha				4.77	< 15		1	pCi/L	GP
		Nonvolatile beta				2.89	< 50		1	pCi/L	GP
+		Radium-226				6.51	> 5		1	pCi/L	GP
		Radium-228				.39	< EQL	U	1	pCi/L	GP
		Strontium-90				-.154	< EQL	JU	1	pCi/L	GP
+		Tritium				20.5	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 45A**

<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>
N 75830 E 54550.1	33.28249 Deg N -81.6705 Deg W	126.9 - 116.9 ft msl	278.9 ft msl	4" PVC	S	GA

SAMPLE DATE

11/09/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	159.81	ft msl
pH		7.3	pH
Sp. Conductance		179	uS/cm
Water temperature		19.7	deg. C
Total Alkalinity as CaCO ₃		78	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.4	NTU
Volumes purged		2.78	well volume
Sampling code			
Synchronous water level	160.5 (06/25/99)	159.7 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				36.7	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				1.6	NDD	J	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				.93	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				2160	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				106000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5.63	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				142	NDD	J	1	ug/L	WA
		Total organic halogens				13.5	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 45A

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				3.57	< EQL	U	1	pCi/L	GP
		Gross alpha				.864	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				1.13	NDD	J	1	pCi/L	GP
		Radium-226				1.53	< EQL	U	1	pCi/L	GP
		Radium-228				.118	< EQL	U	1	pCi/L	GP
		Strontium-90				.15	< EQL	JU	1	pCi/L	GP
+		Tritium				21.5	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 45B**

<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>
N 75840.3 E 54563.6	33.28254 Deg N -81.6704 Deg W	147 - 137 ft msl	278.6 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE 11/29/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	217.06	ft msl
pH		9.5	pH
Sp. Conductance		135	uS/cm
Water temperature		19.7	deg. C
Total Alkalinity as CaCO ₃		55	mg/L
Phenolphthalein Alkalinity as CaCO ₃		27	mg/L
Turbidity		2	NTU
Volumes purged		.019	well volume
Sampling code		NX	
Synchronous water level	217.9 (06/25/99)	216.9 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				58.8	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				2.4	NDD	J	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				40.3	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<1.7	< EQL	U	1	ug/L	WA
		Sulfate				649	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				<50000	< EQL	U	1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				938	NDD	J	1	ug/L	WA
		Total organic halogens				16.9	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 45B

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-4.24	< EQL	U	1	pCi/L	GP
		Gross alpha				1.04	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				3.47	< 50		1	pCi/L	GP
		Radium-226				.437	< EQL	U	1	pCi/L	GP
		Radium-228				.262	< EQL	U	1	pCi/L	GP
		Strontium-90				-.124	< EQL	U	1	pCi/L	GP
		Tritium				11	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 45C**

<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>
N 75835 E 54577.4	33.28255 Deg N -81.6704 Deg W	200.5 - 190.5 ft msl	278.6 ft msl	4" PVC	S	LAZ_UTRA

SAMPLE DATE

11/29/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	220.76	ft msl
pH		8.3	pH
Sp. Conductance		33	uS/cm
Water temperature		20	deg. C
Total Alkalinity as CaCO ₃		13	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		8.8	NTU
Volumes purged		.051	well volume
Sampling code		NX	
Synchronous water level	221.7 (06/25/99)	220.7 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				8.8	< 2000		1	ug/L	WA
		Boron, total recoverable				31	NDD	J	1	ug/L	WA
		Cadmium, total recoverable				.56	NDD	J	1	ug/L	WA
		Chromium, total recoverable				2.4	NDD	J	1	ug/L	WA
		Copper, total recoverable				16.9	< 1000		1	ug/L	WA
		Lead, total recoverable				22.9	NDD	J	1	ug/L	WA
		Lithium, total recoverable				2.1	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<1.7	< EQL	U	1	ug/L	WA
		Sulfate				461	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				35000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				40.2	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				1440	NDD	J	1	ug/L	WA
		Total organic halogens				18	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 45C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				1.46	NDD	J	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-.372	< EQL	U	1	pCi/L	GP
		Gross alpha				.542	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				1.1	< EQL	U	1	pCi/L	GP
		Radium-226				2.61	< EQL	U	1	pCi/L	GP
		Radium-228				.325	< EQL	U	1	pCi/L	GP
		Strontium-90				.191	< EQL	U	1	pCi/L	GP
+		Tritium				409	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 45D

<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>
N 75854.3 E 54585.6	33.28260 Deg N -81.6704 Deg W	229.6 - 209.6 ft msl	278.6 ft msl	4 " PVC	S	UAZ_UTRA

SAMPLE DATE 11/29/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	225.32	ft msl
pH		4.7	pH
Sp. Conductance		24	uS/cm
Water temperature		19.3	deg. C
Total Alkalinity as CaCO3		0	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		.8	NTU
Volumes purged		3.04	well volume
Sampling code			
Synchronous water level	226 (06/25/99)	225.2 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				9.3	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				1.5	NDD	J	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				.94	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<1.8	< EQL	U	1	ug/L	WA
		Sulfate				537	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				16000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				7.1	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<6.7	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				1.05	NDD	J	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				<5000	< EQL	U	1	ug/L	WA
		Total organic halogens				13.4	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 45D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				4.95	NDD	J	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-1.27	< EQL	U	1	pCi/L	GP
		Gross alpha				1.53	NDD	J	1	pCi/L	GP
		Nonvolatile beta				1.46	NDD	J	1	pCi/L	GP
		Radium-226				.957	< EQL	U	1	pCi/L	GP
		Radium-228				.507	< EQL	U	1	pCi/L	GP
		Strontium-90				.377	< EQL	U	1	pCi/L	GP
		Tritium				6.12	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 46B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 75012.1 E 54444.7	33.28051 Deg N -81.6691 Deg W	150.4 - 140.4 ft msl	265.4 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE 11/29/99

FIELD DATA

Parameter	2Q99	4Q99	Unit
Water Elevation	Not Available	215.92	ft msl
pH		6	pH
Sp. Conductance		55	uS/cm
Water temperature		19.9	deg. C
Total Alkalinity as CaCO ₃		23	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.6	NTU
Volumes purged		2.69	well volume
Sampling code			
Synchronous water level	216.6 (06/25/99)	215.9 (12/09/99)	ft msl

ANALYTICAL DATA

H	SI	Parameter	2Q99	Filt.	Mod	4Q99	Filt.	Mod	DF	Unit	Lab
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				3.1	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				2.1	NDD	J	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				1.1	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				600	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				54000			1	ug/L	WA
		Zinc, total recoverable				6.7	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<4.56	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				<5000	< EQL	U	1	ug/L	WA
		Total organic halogens				<120	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 46B

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				2.78	NDD	J	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-4.48	< EQL	U	1	pCi/L	GP
		Gross alpha				.249	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				.401	< EQL	U	1	pCi/L	GP
		Radium-226				1.37	< EQL	U	1	pCi/L	GP
		Radium-228				.191	< EQL	U	1	pCi/L	GP
		Strontium-90				.0669	< EQL	U	1	pCi/L	GP
		Tritium				5.72	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 46C**

<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>
N 75022.2 E 54433.9	33.28052 Deg N -81.6692 Deg W	188 - 178 ft msl	265.1 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE 12/29/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	217.2	ft msl
pH		6	pH
Sp. Conductance		44	uS/cm
Water temperature		19	deg. C
Total Alkalinity as CaCO3		13	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		.5	NTU
Volumes purged		.039	well volume
Sampling code		NX	
Synchronous water level	218 (06/25/99)	217.3 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				10.5	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				2.9	NDD	J	1	ug/L	WA
		Copper, total recoverable				3.1	NDD	J	1	ug/L	WA
		Lead, total recoverable				16.4	NDD	J	1	ug/L	WA
		Lithium, total recoverable				23.5	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				4.1	NDD	J	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<.67	< EQL	JU	1	ug/L	WA
		Sulfate				1480	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				37000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				52.3	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				3.38	NDD	J	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				3.31	NDD	J	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				2490	< 1000000		1	ug/L	WA
		Total organic halogens				78.2	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 46C

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene				31.3	> 5		1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				2.85	< EQL	U	1	pCi/L	GP
		Gross alpha				1.16	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				1.68	< EQL	U	1	pCi/L	GP
		Radium-226				.515	< EQL	U	1	pCi/L	GP
		Radium-228				.156	< EQL	U	1	pCi/L	GP
		Strontium-90				-.197	< EQL	U	1	pCi/L	GP
		Tritium				4300	> 20	J	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 46D**

<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>
N 75033.8 E 54420	33.28052 Deg N -81.6693 Deg W	212.1 - 202.1 ft msl	265.1 ft msl	4" PVC	S	UAZ_UTRA

SAMPLE DATE 12/29/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	222.43	ft msl
pH		5	pH
Sp. Conductance		47	uS/cm
Water temperature		19	deg. C
Total Alkalinity as CaCO ₃		4	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.5	NTU
Volumes purged		5.76	well volume
Sampling code			
Synchronous water level	223.5 (06/25/99)	222.7 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				4	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<7	< EQL	U	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				2.1	NDD	J	1	ug/L	WA
		Mercury, total recoverable				.244	NDD	J	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				1460	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				12000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				5.9	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				17.5	< 20		1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				3.91	> 2	J	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
+		Tetrachloroethylene				6	> 5		1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				1970	< 1000000		1	ug/L	WA
+		Total organic halogens				170	> 100		1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 46D****ANALYTICAL DATA**

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene				26.9	> 5		1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				.992	< EQL	U	1	pCi/L	GP
		Gross alpha				1.04	NDD	J	1	pCi/L	GP
		Nonvolatile beta				1.41	NDD	J	1	pCi/L	GP
		Radium-226				1.11	NDD	J	1	pCi/L	GP
		Radium-228				.477	< EQL	U	1	pCi/L	GP
		Strontium-90				.176	< EQL	JU	1	pCi/L	GP
+		Tritium				15000	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 47A**

<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>
N 74728.8 E 54914	33.28065 Deg N -81.6674 Deg W	96.8 - 86.8 ft msl	266.9 ft msl	4" PVC	S	GA

SAMPLE DATE 11/30/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	161.39	ft msl
pH		10.1	pH
Sp. Conductance		194	uS/cm
Water temperature		19.6	deg. C
Total Alkalinity as CaCO ₃		88	mg/L
Phenolphthalein Alkalinity as CaCO ₃		45	mg/L
Turbidity		.5	NTU
Volumes purged		2.95	well volume
Sampling code			
Synchronous water level	162.1 (06/25/99)	161.5 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<4.3	< EQL	U	1	ug/L	WA
		Barium, total recoverable				73.1	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				1.3	NDD	J	1	ug/L	WA
		Copper, total recoverable				<2.7	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				21.9	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<.69	< EQL	U	1	ug/L	WA
		Sulfate				6230	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				129000			1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<7.89	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				<487	< EQL	U	1	ug/L	WA
		Total organic halogens				23.4	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 47A

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-4	< EQL	U	1	pCi/L	GP
		Gross alpha				.726	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				1.81	NDD	J	1	pCi/L	GP
		Radium-226				.426	< EQL	U	1	pCi/L	GP
		Radium-228				.25	< EQL	U	1	pCi/L	GP
		Strontium-90				.0351	< EQL	U	1	pCi/L	GP
		Tritium				5.94	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 47C**

<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>
N 74752 E 54933.4	33.28073 Deg N -81.6674 Deg W	188.6 - 178.6 ft msl	267.6 ft msl	4" PVC	S	LAZ_UTRA

SAMPLE DATE 11/29/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	220.64	ft msl
pH		5.8	pH
Sp. Conductance		44	uS/cm
Water temperature		20.9	deg. C
Total Alkalinity as CaCO3		12	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		.6	NTU
Volumes purged		2.33	well volume
Sampling code			
Synchronous water level	221.3 (06/25/99)	220.6 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
		Inorganics									
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				14.2	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				1.4	NDD	J	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				8.1	NDD	J	1	ug/L	WA
		Lithium, total recoverable				3.4	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				345	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				50000			1	ug/L	WA
		Zinc, total recoverable				11.5	NDD	J	1	ug/L	WA
		Organics									
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				1.22	NDD	J	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<8.73	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				624	NDD	J	1	ug/L	WA
		Total organic halogens				29.8	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 47C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				2.74	NDD	J	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-2.63	< EQL	U	1	pCi/L	GP
		Gross alpha				1.04	NDD	J	1	pCi/L	GP
		Nonvolatile beta				.846	< EQL	U	1	pCi/L	GP
		Radium-226				1.25	< EQL	U	1	pCi/L	GP
		Radium-228				.836	< EQL	U	1	pCi/L	GP
		Strontium-90				.271	< EQL	U	1	pCi/L	GP
+		Tritium				380	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 47D**

<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>
N 74739.7 E 54922.9	33.28069 Deg N -81.6674 Deg W	213.4 - 203.4 ft msl	267.4 ft msl	4 " PVC	S	UAZ_UTRA

SAMPLE DATE 12/29/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	222.2	ft msl
pH		5.6	pH
Sp. Conductance		48	uS/cm
Water temperature		19.3	deg. C
Total Alkalinity as CaCO3		9	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		.8	NTU
Volumes purged		4.92	well volume
Sampling code			
Synchronous water level	224.2 (06/25/99)	223.5 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				18.9	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<1.5	< EQL	U	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				8.4	NDD	J	1	ug/L	WA
		Lithium, total recoverable				1.3	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				327	NDD	J	1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				<15000	< EQL	U	1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				2.43	NDD	J	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				4.19	NDD	J	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				2990	< 1000000		1	ug/L	WA
		Total organic halogens				26.2	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

† = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 47D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				1.47	NDD	J	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				10.7	NDD	J	1	pCi/L	GP
		Gross alpha				3.84	NDD	J	1	pCi/L	GP
		Nonvolatile beta				2.51	NDD	J	1	pCi/L	GP
		Radium-226				3.98	< 5		1	pCi/L	GP
		Radium-228				.768	< EQL	U	1	pCi/L	GP
		Strontium-90				-.255	< EQL	JU	1	pCi/L	GP
+		Tritium				250	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide result. in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 48C**

<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>
N 74599.6 E 55124.4	33.28071 Deg N -81.6666 Deg W	186.7 - 176.7 ft msl	276.6 ft msl	4" PVC	S	LAZ_UTRA

SAMPLE DATE 12/29/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	221.14	ft msl
pH		5.6	pH
Sp. Conductance		48	uS/cm
Water temperature		18.2	deg. C
Total Alkalinity as CaCO ₃		6	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.4	NTU
Volumes purged		3.51	well volume
Sampling code			
Synchronous water level	222 (06/25/99)	221.3 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				23.8	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				1.3	NDD	J	1	ug/L	WA
		Copper, total recoverable				2.9	NDD	J	1	ug/L	WA
		Lead, total recoverable				7.7	NDD	J	1	ug/L	WA
		Lithium, total recoverable				1.8	NDD	J	1	ug/L	WA
		Mercury, total recoverable				.18	NDD	J	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				525	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				72000			1	ug/L	WA
		Zinc, total recoverable				19.5	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
+		Tetrachloroethylene				6	> 5		1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				2020	< 1000000		1	ug/L	WA
		Total organic halogens				69.2	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 48C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene				11.7	> 5		1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				60.7	< 2000		1	pCi/L	GP
		Gross alpha				.916	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				1.72	< EQL	U	1	pCi/L	GP
		Radium-226				1.28	NDD	J	1	pCi/L	GP
		Radium-228				.158	< EQL	U	1	pCi/L	GP
		Strontium-90				-.216	< EQL	U	1	pCi/L	GP
		Tritium				3860	> 20	J	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 48D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 74586.4 E 55121	33.28067 Deg N -81.6665 Deg W	212 - 202 ft msl	276.9 ft msl	4 " PVC	S	UAZ_UTRA

SAMPLE DATE 12/29/99

FIELD DATA

Parameter	2Q99	4Q99	Unit
Water Elevation	Not Available	223.59	ft msl
pH		4.7	pH
Sp. Conductance		51	uS/cm
Water temperature		18.6	deg. C
Total Alkalinity as CaCO3		1	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		.7	NTU
Volumes purged		3.85	well volume
Sampling code			
Synchronous water level	224.6 (06/25/99)	223.9 (12/09/99)	ft msl

ANALYTICAL DATA

H	ST	Parameter	2Q99	Filt.	Mod	4Q99	Filt.	Mod	DF	Unit	Lab
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				81.3	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<.81	< EQL	JU	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				6.1	NDD	J	1	ug/L	WA
		Lithium, total recoverable				1.5	NDD	J	1	ug/L	WA
		Mercury, total recoverable				.418	NDD	J	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				406	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				143000			1	ug/L	WA
		Zinc, total recoverable				9.9	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				1.74	NDD	J	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				4.43	NDD	J	1	ug/L	WA
+		Tetrachloroethylene				94.8	> 5		1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				1290	< 1000000		1	ug/L	WA
+		Total organic halogens				155	> 100		1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 48D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene				36.5	> 5		1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
+		Carbon-14				4210	> 2000		1	pCi/L	GP
		Gross alpha				7.58	NDD	J	1	pCi/L	GP
		Nonvolatile beta				3.17	< 50		1	pCi/L	GP
		Radium-226				.291	< EQL	U	1	pCi/L	GP
		Radium-228				1.57	NDD	J	1	pCi/L	GP
		Strontium-90				-.298	< EQL	JU	1	pCi/L	GP
+		Tritium				94600	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

*= exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 49A**

<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>
N 73902.8 E 56205.1	33.28093 Deg N -81.6624 Deg W	85.1 - 75.1 ft msl	271.2 ft msl	4" PVC	S	GA

SAMPLE DATE 11/11/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	164.57	ft msl
pH		11.8	pH
Sp. Conductance		3150	uS/cm
Water temperature		20.3	deg. C
Total Alkalinity as CaCO ₃		684	mg/L
Phenolphthalein Alkalinity as CaCO ₃		684	mg/L
Turbidity		5.5	NTU
Volumes purged		.034	well volume
Sampling code		NX	
Synchronous water level	165.2 (06/25/99)	164.3 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
		Inorganics									
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				6.2	NDD	J	1	ug/L	WA
		Barium, total recoverable				209	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				2.6	NDD	J	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				98.2	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				2030	NDD	J	1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				330000			1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
		Organics									
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5.99	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				948	NDD	J	1	ug/L	WA
		Total organic halogens				17.3	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 49A

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		<i>trans</i> -1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				4.09	< EQL	U	1	pCi/L	GP
		Gross alpha				5.5	< 15		1	pCi/L	GP
		Nonvolatile beta				7.61	< 50		1	pCi/L	GP
		Radium-226				3.15	< 5		1	pCi/L	GP
		Radium-228				1.24	NDD	J	1	pCi/L	GP
		Strontium-90				.34	< EQL	JU	1	pCi/L	GP
		Tritium				3.81	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide result in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 49C**

<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>
N 73917.2 E 56202.2	33.28096 Deg N -81.6624 Deg W	176 - 166 ft msl	271.1 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE 11/10/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	227.86	ft msl
pH		6.1	pH
Sp. Conductance		42	uS/cm
Water temperature		20.1	deg. C
Total Alkalinity as CaCO ₃		20	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.4	NTU
Volumes purged		3.63	well volume
Sampling code			
Synchronous water level	227.9 (06/25/99)	227 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				19.2	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				3.3	NDD	J	1	ug/L	WA
		Copper, total recoverable				1.5	NDD	J	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				10.9	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				548	NDD	J	1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				35000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5.79	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				324	NDD	J	1	ug/L	WA
		Total organic halogens				18.7	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 49C

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-1.17	< EQL	U	1	pCi/L	GP
		Gross alpha				.157	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				.885	< EQL	U	1	pCi/L	GP
	+	Radium-226				8.08	> 5		1	pCi/L	GP
		Radium-228				.0304	< EQL	U	1	pCi/L	GP
		Strontium-90				-.198	< EQL	U	1	pCi/L	GP
		Tritium				18.7	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 49D**

<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>
N 73931.5 E 56198.8	33.28098 Deg N -81.6624 Deg W	238.5 - 218.5 ft msl	271.5 ft msl	4 " PVC	S	UAZ_UTRA

SAMPLE DATE

11/10/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	231.6	ft msl
pH		5.1	pH
Sp. Conductance		25	uS/cm
Water temperature		20.3	deg. C
Total Alkalinity as CaCO ₃		4	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		8.5	NTU
Volumes purged		.236	well volume
Sampling code		NX	
Synchronous water level	231.6 (06/25/99)		ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	1	ug/L	WA			
		Arsenic, total recoverable	<40	< EQL	U	1	ug/L	WA			
		Barium, total recoverable	5.6	< 2000		1	ug/L	WA			
		Boron, total recoverable	<266	< EQL	U	1	ug/L	WA			
		Cadmium, total recoverable	<4.7	< EQL	U	1	ug/L	WA			
		Chromium, total recoverable	<1.1	< EQL	JU	1	ug/L	WA			
		Copper, total recoverable	3.7	NDD	J	1	ug/L	WA			
		Lead, total recoverable	<47	< EQL	U	1	ug/L	WA			
		Lithium, total recoverable	.49	NDD	J	1	ug/L	WA			
		Mercury, total recoverable	<.7	< EQL	U	1	ug/L	WA			
		Nickel, total recoverable	<26	< EQL	U	1	ug/L	WA			
		Selenium, total recoverable	<66	< EQL	U	1	ug/L	WA			
		Silver, total recoverable	<.58	< EQL	JU	1	ug/L	WA			
		Sulfate	184	NDD	J	1	ug/L	WA			
		Tin, total recoverable	<70	< EQL	U	1	ug/L	WA			
		Total dissolved solids	21000	NDD	J	1	ug/L	WA			
		Zinc, total recoverable	5.3	NDD	J	1	ug/L	WA			
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloropropane	<5	< EQL	U	1	ug/L	WA			
		2-Chloroethyl vinyl ether	<10	< EQL	U	1	ug/L	WA			
		Benzene	<5	< EQL	U	1	ug/L	WA			
		Bromodichloromethane	<5	< EQL	U	1	ug/L	WA			
		Bromoform	<5	< EQL	U	1	ug/L	WA			
		Bromomethane (Methyl bromide)	<10	< EQL	U	1	ug/L	WA			
		Carbon tetrachloride	<5	< EQL	U	1	ug/L	WA			
		Chlorobenzene	<5	< EQL	U	1	ug/L	WA			
		Chloroethane	<10	< EQL	U	1	ug/L	WA			
		Chloroethene (Vinyl chloride)	<10	< EQL	U	1	ug/L	WA			
		Chloroform	<5	< EQL	U	1	ug/L	WA			
		Chloromethane (Methyl chloride)	<10	< EQL	U	1	ug/L	WA			
		cis-1,3-Dichloropropene	<5	< EQL	U	1	ug/L	WA			
		Dibromochloromethane	<5	< EQL	U	1	ug/L	WA			
		Dichloromethane (Methylene chloride)	<5.33	< EQL	U	1	ug/L	WA			
		Ethylbenzene	<5	< EQL	U	1	ug/L	WA			
		Phenols	<37	< EQL	U	1	ug/L	WA			
		Tetrachloroethylene	<5	< EQL	U	1	ug/L	WA			
		Toluene	<5	< EQL	U	1	ug/L	WA			
		Total organic carbon	5300	< 1000000		1	ug/L	WA			
		Total organic halogens	12.7	NDD	J	1	ug/L	WA			
		trans-1,2-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 49D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				2.11	< EQL	U	1	pCi/L	GP
		Gross alpha				.713	NDD	J	1	pCi/L	GP
		Nonvolatile beta				1.18	NDD	J	1	pCi/L	GP
		Radium-226				2.95	< 5		1	pCi/L	GP
		Radium-228				-.0857	< EQL	U	1	pCi/L	GP
		Strontium-90				.143	< EQL	U	1	pCi/L	GP
		Tritium				18	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 50A**

<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>
N 75201.2	33.28050 Deg N	100.5 - 90.5 ft msl	255.4 ft msl	4 " PVC	S	GA
E 54179.8	-81.6702 Deg W					

SAMPLE DATE 11/11/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	160.08	ft msl
pH		11.9	pH
Sp. Conductance		5348	uS/cm
Water temperature		22.9	deg. C
Total Alkalinity as CaCO ₃		1248	mg/L
Phenolphthalein Alkalinity as CaCO ₃		1243	mg/L
Turbidity		1.5	NTU
Volumes purged		.044	well volume
Sampling code		NX	
Synchronous water level	160.2 (06/25/99)	159.7 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<3.5	< EQL	U	1	ug/L	WA			
		Arsenic, total recoverable	4.5	NDD	J	1	ug/L	WA			
		Barium, total recoverable	705	< 2000		1	ug/L	WA			
		Boron, total recoverable	<266	< EQL	U	1	ug/L	WA			
		Cadmium, total recoverable	<4.7	< EQL	U	1	ug/L	WA			
		Chromium, total recoverable	6.1	NDD	J	1	ug/L	WA			
		Copper, total recoverable	10.3	NDD	J	1	ug/L	WA			
		Lead, total recoverable	17.9	NDD	J	1	ug/L	WA			
+		Lithium, total recoverable	358	> 250		1	ug/L	WA			
		Mercury, total recoverable	<.7	< EQL	U	1	ug/L	WA			
		Nickel, total recoverable	2.6	NDD	J	1	ug/L	WA			
		Selenium, total recoverable	<66	< EQL	U	1	ug/L	WA			
		Silver, total recoverable	<5	< EQL	U	1	ug/L	WA			
		Sulfate	3880	NDD	J	1	ug/L	WA			
		Tin, total recoverable	<70	< EQL	U	1	ug/L	WA			
		Total dissolved solids	561000			1	ug/L	WA			
		Zinc, total recoverable	6.4	NDD	J	1	ug/L	WA			
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloropropane	<5	< EQL	U	1	ug/L	WA			
		2-Chloroethyl vinyl ether	<10	< EQL	U	1	ug/L	WA			
		Benzene	<5	< EQL	U	1	ug/L	WA			
		Bromodichloromethane	<5	< EQL	U	1	ug/L	WA			
		Bromoform	<5	< EQL	U	1	ug/L	WA			
		Bromomethane (Methyl bromide)	<10	< EQL	U	1	ug/L	WA			
		Carbon tetrachloride	<5	< EQL	U	1	ug/L	WA			
		Chlorobenzene	<5	< EQL	U	1	ug/L	WA			
		Chloroethane	<10	< EQL	U	1	ug/L	WA			
		Chloroethene (Vinyl chloride)	<10	< EQL	U	1	ug/L	WA			
		Chloroform	<5	< EQL	U	1	ug/L	WA			
		Chloromethane (Methyl chloride)	<10	< EQL	U	1	ug/L	WA			
		cis-1,3-Dichloropropene	<5	< EQL	U	1	ug/L	WA			
		Dibromochloromethane	<5	< EQL	U	1	ug/L	WA			
		Dichloromethane (Methylene chloride)	<5.87	< EQL	U	1	ug/L	WA			
		Ethylbenzene	<5	< EQL	U	1	ug/L	WA			
		Phenols	<37	< EQL	U	1	ug/L	WA			
		Tetrachloroethylene	<5	< EQL	U	1	ug/L	WA			
		Toluene	<5	< EQL	U	1	ug/L	WA			
		Total organic carbon	3310	< 1000000		1	ug/L	WA			
		Total organic halogens	<120	< EQL	U	1	ug/L	WA			
		trans-1,2-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 50A

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-.229	< EQL	U	1	pCi/L	GP
		Gross alpha				10.2	< 15		1	pCi/L	GP
		Nonvolatile beta				22.4	< 50		1	pCi/L	GP
	+	Radium-226				6.26	> 5		1	pCi/L	GP
		Radium-228				1.86	NDD	J	1	pCi/L	GP
		Strontium-90				-.112	< EQL	U	1	pCi/L	GP
		Tritium				2.48	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 50C**

<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>
N 75190.4 E 54197	33.28050 Deg N -81.6701 Deg W	172.5 - 162.5 ft msl	255.5 ft msl	4" PVC	S	LAZ_UTRA

SAMPLE DATE 11/29/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	216.68	ft msl
pH		4.8	pH
Sp. Conductance		25	uS/cm
Water temperature		23	deg. C
Total Alkalinity as CaCO ₃		0	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		3.9	NTU
Volumes purged		.113	well volume
Sampling code		NX	
Synchronous water level	217.4 (06/25/99)	216.6 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	1	ug/L	WA			
		Arsenic, total recoverable	4.3	NDD	J	1	ug/L	WA			
		Barium, total recoverable	8	< 2000		1	ug/L	WA			
		Boron, total recoverable	<266	< EQL	U	1	ug/L	WA			
		Cadmium, total recoverable	<4.7	< EQL	U	1	ug/L	WA			
		Chromium, total recoverable	2.3	NDD	J	1	ug/L	WA			
		Copper, total recoverable	4	NDD	J	1	ug/L	WA			
		Lead, total recoverable	<47	< EQL	U	1	ug/L	WA			
		Lithium, total recoverable	.89	NDD	J	1	ug/L	WA			
		Mercury, total recoverable	<.7	< EQL	U	1	ug/L	WA			
		Nickel, total recoverable	5	NDD	J	1	ug/L	WA			
		Selenium, total recoverable	<66	< EQL	U	1	ug/L	WA			
		Silver, total recoverable	<5	< EQL	U	1	ug/L	WA			
		Sulfate	574	< 400000		1	ug/L	WA			
		Tin, total recoverable	<70	< EQL	U	1	ug/L	WA			
		Total dissolved solids	30000	NDD	J	1	ug/L	WA			
		Zinc, total recoverable	6.9	NDD	J	1	ug/L	WA			
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloropropane	<5	< EQL	U	1	ug/L	WA			
		2-Chloroethyl vinyl ether	<10	< EQL	U	1	ug/L	WA			
		Benzene	<5	< EQL	U	1	ug/L	WA			
		Bromodichloromethane	<5	< EQL	U	1	ug/L	WA			
		Bromoform	<5	< EQL	U	1	ug/L	WA			
		Bromomethane (Methyl bromide)	<10	< EQL	U	1	ug/L	WA			
		Carbon tetrachloride	<5	< EQL	U	1	ug/L	WA			
		Chlorobenzene	<5	< EQL	U	1	ug/L	WA			
		Chloroethane	<10	< EQL	U	1	ug/L	WA			
		Chloroethene (Vinyl chloride)	<10	< EQL	U	1	ug/L	WA			
		Chloroform	<5	< EQL	U	1	ug/L	WA			
		Chloromethane (Methyl chloride)	<10	< EQL	U	1	ug/L	WA			
		cis-1,3-Dichloropropene	<5	< EQL	U	1	ug/L	WA			
		Dibromochloromethane	<5	< EQL	U	1	ug/L	WA			
		Dichloromethane (Methylene chloride)	<10.5	< EQL	U	1	ug/L	WA			
		Ethylbenzene	<5	< EQL	U	1	ug/L	WA			
		Phenols	<37	< EQL	U	1	ug/L	WA			
		Tetrachloroethylene	<5	< EQL	U	1	ug/L	WA			
		Toluene	<5	< EQL	U	1	ug/L	WA			
		Total organic carbon	609	NDD	J	1	ug/L	WA			
		Total organic halogens	64.9	NDD	J	1	ug/L	WA			
		trans-1,2-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 50C

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene				12.1	> 5		1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-3.51	< EQL	U	1	pCi/L	GP
		Gross alpha				.926	NDD	J	1	pCi/L	GP
		Nonvolatile beta				.51	< EQL	U	1	pCi/L	GP
		Radium-226				4.3	< 5		1	pCi/L	GP
		Radium-228				.177	< EQL	U	1	pCi/L	GP
		Strontium-90				.148	< EQL	U	1	pCi/L	GP
+		Tritium				698	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 50D

<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>
N 75181.3 E 54209.1	33.28050 Deg N -81.6701 Deg W	228 - 208 ft msl	256 ft msl	4 " PVC	S	UAZ_UTRA

SAMPLE DATE 12/29/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	222.3	ft msl
pH		6	pH
Sp. Conductance		63	uS/cm
Water temperature		20.5	deg. C
Total Alkalinity as CaCO3		17	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		2.5	NTU
Volumes purged		5.08	well volume
Sampling code			
Synchronous water level	223.3 (06/25/99)	222.5 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				14.1	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<1.2	< EQL	U	1	ug/L	WA
		Copper, total recoverable				3.4	NDD	J	1	ug/L	WA
		Lead, total recoverable				9.1	NDD	J	1	ug/L	WA
		Lithium, total recoverable				1.6	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				641	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				<50000	< EQL	U	1	ug/L	WA
		Zinc, total recoverable				11	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<3.05	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<4.06	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				2330	< 1000000		1	ug/L	WA
		Total organic halogens				38.6	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 50D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				2.21	NDD	J	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				17.4	NDD	J	1	pCi/L	GP
		Gross alpha				3.38	NDD	J	1	pCi/L	GP
		Nonvolatile beta				2.45	NDD	J	1	pCi/L	GP
		Radium-226				.61	< EQL	U	1	pCi/L	GP
		Radium-228				2.3	< 5		1	pCi/L	GP
		Strontium-90				.31	< EQL	JU	1	pCi/L	GP
+		Tritium*				971	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 51A**

<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>
N 74133 E 57841.8	33.28411 Deg N -81.6585 Deg W	85.1 - 75.1 ft msl	289.3 ft msl	2" PVC	V	GA

SAMPLE DATE 11/16/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	164.86	ft msl
pH		6.5	pH
Sp. Conductance		199	uS/cm
Water temperature		19.8	deg. C
Total Alkalinity as CaCO ₃		88	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.2	NTU
Volumes purged		2.59	well volume
Sampling code			
Synchronous water level	165.5 (06/24/99)	164.8 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				31.1	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				1.3	NDD	J	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				5.2	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				5400	NDD	J	1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				123000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				6.8	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<4.04	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				342	NDD	J	1	ug/L	WA
		Total organic halogens				21.4	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 51A

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				2.03	< EQL	U	1	pCi/L	GP
		Gross alpha				.559	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				.93	< EQL	U	1	pCi/L	GP
		Radium-226				.515	< EQL	U	1	pCi/L	GP
		Radium-228				.337	< EQL	U	1	pCi/L	GP
		Strontium-90				.00381	< EQL	U	1	pCi/L	GP
		Tritium				-.145	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 51AA

<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>
N 74113.1 E 57867	33.28411 Deg N -81.6584 Deg W	39.2 - 29.2 ft msl	289.2 ft msl	2 " PVC	V	GA

SAMPLE DATE 11/16/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	167.33	ft msl
pH		7.4	pH
Sp. Conductance		170	uS/cm
Water temperature		20.4	deg. C
Total Alkalinity as CaCO ₃		56	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.7	NTU
Volumes purged		2.30	well volume
Sampling code			
Synchronous water level	168.1 (06/24/99)	167.3 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				73.9	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<7	< EQL	U	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				29.2	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				10100	NDD	J	1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				112000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	JU	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	JU	1	ug/L	WA
		Benzene				<5	< EQL	JU	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	JU	1	ug/L	WA
		Bromoform				<5	< EQL	JU	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	JU	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	JU	1	ug/L	WA
		Chlorobenzene				<5	< EQL	JU	1	ug/L	WA
		Chloroethane				<10	< EQL	JU	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	JU	1	ug/L	WA
		Chloroform				<5	< EQL	JU	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	JU	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	JU	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	JU	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<4.88	< EQL	JU	1	ug/L	WA
		Ethylbenzene				<5	< EQL	JU	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	JU	1	ug/L	WA
		Toluene				<5	< EQL	JU	1	ug/L	WA
		Total organic carbon				810	NDD	J	1	ug/L	WA
		Total organic halogens				25.1	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	JU	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 51AA

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	JU	1	ug/L	WA
		Trichloroethylene				<5	< EQL	JU	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	JU	1	ug/L	WA
Radionuclides											
		Carbon-14				5.46	< EQL	U	1	pCi/L	GP
		Gross alpha				.884	NDD	J	1	pCi/L	GP
		Nonvolatile beta				2.44	NDD	J	1	pCi/L	GP
		Radium-226				1.96	NDD	J	1	pCi/L	GP
		Radium-228				.0875	< EQL	U	1	pCi/L	GP
		Strontium-90				.0699	< EQL	U	1	pCi/L	GP
		Tritium				-.153	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide result in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 51B

<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>
N 74127.7 E 57848.3	33.28411 Deg N -81.6585 Deg W	126.9 - 116.9 ft msl	289.1 ft msl	2" PVC	V	LAZ_UTRA

SAMPLE DATE 11/17/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	230.44	ft msl
pH		7	pH
Sp. Conductance		188	uS/cm
Water temperature		19.3	deg. C
Total Alkalinity as CaCO3		86	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		.1	NTU
Volumes purged		2.15	well volume
Sampling code			
Synchronous water level	230.4 (06/24/99)	230 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				54.9	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				4.7	NDD	J	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				8.6	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<.58	< EQL	JU	1	ug/L	WA
		Sulfate				2750	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				128000			1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5.2	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				631	NDD	J	1	ug/L	WA
		Total organic halogens				29.1	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 51B

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				2.95	< EQL	U	1	pCi/L	GP
		Gross alpha				.27	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				.458	< EQL	U	1	pCi/L	GP
		Radium-226				.511	< EQL	U	1	pCi/L	GP
		Radium-228				-.0782	< EQL	U	1	pCi/L	GP
		Strontium-90				-.188	< EQL	U	1	pCi/L	GP
		Tritium				.538	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 51C**

<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>
N 74123.1 E 57854.4	33.28411 Deg N -81.6584 Deg W	185.1 - 175.1 ft msl	289.1 ft msl	2" PVC	V	LAZ_UTRA

SAMPLE DATE 11/17/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	231.65	ft msl
pH		5.4	pH
Sp. Conductance		19	uS/cm
Water temperature		19.4	deg. C
Total Alkalinity as CaCO3		3	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		.2	NTU
Volumes purged		2.71	well volume
Sampling code			
Synchronous water level	231.2 (06/24/99)	230.9 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				4	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				1.4	NDD	J	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				.88	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				526	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				15000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<4.96	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				234	NDD	J	1	ug/L	WA
		Total organic halogens				12.4	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 51C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				2.91	< EQL	U	1	pCi/L	GP
		Gross alpha				.13	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				.654	< EQL	U	1	pCi/L	GP
		Radium-226				.607	< EQL	U	1	pCi/L	GP
		Radium-228				~.118	< EQL	U	1	pCi/L	GP
		Strontium-90				~.196	< EQL	U	1	pCi/L	GP
		Tritium				1.92	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

*= exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 51D**

<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>
N 74118 E 57860.6	33.28411 Deg N -81.6584 Deg W	240.1 - 220.1 ft msl	289.3 ft msl	2" PVC	V	UAZ_UTRA

SAMPLE DATE 11/17/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	236.66	ft msl
pH		5.3	pH
Sp. Conductance		30	uS/cm
Water temperature		19.5	deg. C
Total Alkalinity as CaCO ₃		2	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		5.5	NTU
Volumes purged		0	well volume
Sampling code		NX	
Synchronous water level	234.7 (06/24/99)	234.5 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				8.5	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				7.5	< 100		1	ug/L	WA
		Copper, total recoverable				5.8	NDD	J	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				.49	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				5.4	NDD	J	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<.67	< EQL	JU	1	ug/L	WA
		Sulfate				388	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				20000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				7.5	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<4.96	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				398	NDD	J	1	ug/L	WA
		Total organic halogens				34.2	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 51D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				1.65	< EQL	U	1	pCi/L	GP
		Gross alpha				.424	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				.252	< EQL	U	1	pCi/L	GP
		Radium-226				.898	< EQL	U	1	pCi/L	GP
		Radium-228				-.0118	< EQL	U	1	pCi/L	GP
		Strontium-90				-.0704	< EQL	U	1	pCi/L	GP
+		Tritium				24	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide resun. in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 52A**

<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>
N 74632.6 E 57184	33.28414 Deg N -81.6612 Deg W	91.7 - 81.7 ft msl	284.4 ft msl	2 " PVC	V	GA

SAMPLE DATE 11/17/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	162.9	ft msl
pH		7.3	pH
Sp. Conductance		196	uS/cm
Water temperature		21.2	deg. C
Total Alkalinity as CaCO ₃		58	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.3	NTU
Volumes purged		2.78	well volume
Sampling code			
Synchronous water level	163.6 (06/24/99)	162.9 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				80.7	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<7	< EQL	U	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				35.3	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				7010	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				122000			1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<4.11	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<4.77	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				348	NDD	J	1	ug/L	WA
		Total organic halogens				25.5	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 52A

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-2.29	< EQL	U	1	pCi/L	GP
		Gross alpha				1.16	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				4.34	< 50		1	pCi/L	GP
		Radium-226				.872	< EQL	U	1	pCi/L	GP
		Radium-228				.248	< EQL	U	1	pCi/L	GP
		Strontium-90				-.0289	< EQL	U	1	pCi/L	GP
		Tritium				-.374	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 52AA**

<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>
N 74638 E 57178.1	33.28414 Deg N -81.6612 Deg W	46.6 - 36.6 ft msl	284.5 ft msl	2" PVC	V	GA

SAMPLE DATE 11/17/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	162.2	ft msl
pH		6.7	pH
Sp. Conductance		149	uS/cm
Water temperature		21.3	deg. C
Total Alkalinity as CaCO ₃		57	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.2	NTU
Volumes purged		2.43	well volume
Sampling code			
Synchronous water level	162.9 (06/24/99)	162.2 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
		Inorganics									
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				28.2	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<7	< EQL	U	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				24.3	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<.55	< EQL	JU	1	ug/L	WA
		Sulfate				11000	< 400000		2	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				156000			1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
		Organics									
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<5.35	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5.11	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				781	NDD	J	1	ug/L	WA
		Total organic halogens				22.8	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 52AA

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				1.99	< EQL	U	1	pCi/L	GP
		Gross alpha				.4	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				3.02	NDD	J	1	pCi/L	GP
		Radium-226				.0849	< EQL	U	1	pCi/L	GP
		Radium-228				.49	< EQL	U	1	pCi/L	GP
		Strontium-90				-.219	< EQL	U	1	pCi/L	GP
		Tritium				-.179	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide resu. in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

*= exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 52B**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N 74627.3 E 57189.8	33.28414 Deg N -81.6612 Deg W	136.7 - 126.7 ft msl	284.4 ft msl	2" PVC	V	LAZ_UTRA

SAMPLE DATE 11/16/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	228.03	ft msl
pH		7.9	pH
Sp. Conductance		85	uS/cm
Water temperature		20.5	deg. C
Total Alkalinity as CaCO ₃		38	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.2	NTU
Volumes purged		3.13	well volume
Sampling code			
Synchronous water level	228.1 (06/24/99)	227.6 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				17.4	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				4.3	NDD	J	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				4.4	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				901	NDD	J	1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				41000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	JU	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	JU	1	ug/L	WA
		Benzene				<5	< EQL	JU	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	JU	1	ug/L	WA
		Bromoform				<5	< EQL	JU	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	JU	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	JU	1	ug/L	WA
		Chlorobenzene				<5	< EQL	JU	1	ug/L	WA
		Chloroethane				<10	< EQL	JU	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	JU	1	ug/L	WA
		Chloroform				<5	< EQL	JU	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	JU	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	JU	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	JU	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5.1	< EQL	JU	1	ug/L	WA
		Ethylbenzene				<5	< EQL	JU	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	JU	1	ug/L	WA
		Toluene				<5	< EQL	JU	1	ug/L	WA
		Total organic carbon				448	NDD	J	1	ug/L	WA
		Total organic halogens				12.5	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	JU	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 52B

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		<i>trans</i> -1,3-Dichloropropene				<5	< EQL	JU	1	ug/L	WA
		Trichloroethylene				<5	< EQL	JU	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	JU	1	ug/L	WA
Radionuclides											
		Carbon-14				1.21	< EQL	U	1	pCi/L	GP
		Gross alpha				.229	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				4.68	< 50		1	pCi/L	GP
		Radium-226				.346	< EQL	U	1	pCi/L	GP
		Radium-228				.154	< EQL	U	1	pCi/L	GP
		Strontium-90				-.246	< EQL	U	1	pCi/L	GP
		Tritium				1.33	NDD	J	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 52C**

<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>
N 74622 E 57195.5	33.28414 Deg N -81.6611 Deg W	188.7 - 178.7 ft msl	284.5 ft msl	2" PVC	V	LAZ_UTRA

SAMPLE DATE 11/16/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	229.18	ft msl
pH		5.4	pH
Sp. Conductance		18	uS/cm
Water temperature		19.9	deg. C
Total Alkalinity as CaCO ₃		5	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.2	NTU
Volumes purged		3.87	well volume
Sampling code			
Synchronous water level	229.3 (06/24/99)	228.8 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				3.8	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				2.9	NDD	J	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				.74	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				506	NDD	J	1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				23000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	JU	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	JU	1	ug/L	WA
		Benzene				<5	< EQL	JU	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	JU	1	ug/L	WA
		Bromoform				<5	< EQL	JU	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	JU	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	JU	1	ug/L	WA
		Chlorobenzene				<5	< EQL	JU	1	ug/L	WA
		Chloroethane				<10	< EQL	JU	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	JU	1	ug/L	WA
		Chloroform				<5	< EQL	JU	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	JU	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	JU	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	JU	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<4.98	< EQL	JU	1	ug/L	WA
		Ethylbenzene				<5	< EQL	JU	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	JU	1	ug/L	WA
		Toluene				<5	< EQL	JU	1	ug/L	WA
		Total organic carbon				292	NDD	J	1	ug/L	WA
		Total organic halogens				13.7	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	JU	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 52C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	JU	1	ug/L	WA
		Trichloroethylene				<5	< EQL	JU	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	JU	1	ug/L	WA
Radionuclides											
		Carbon-14				3.3	< EQL	U	1	pCi/L	GP
		Gross alpha				.236	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				-.0166	< EQL	U	1	pCi/L	GP
		Radium-226				1.52	NDD	J	1	pCi/L	GP
		Radium-228				.402	< EQL	U	1	pCi/L	GP
		Strontium-90				.0434	< EQL	U	1	pCi/L	GP
		Tritium				.0611	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 52D**

<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>
N 74617.3 E 57201.4	33.28414 Deg N -81.66111 Deg W	239.4 - 219.4 ft msl	284.8 ft msl	2" PVC	V	UAZ_UTRA

SAMPLE DATE 11/16/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	232.13	ft msl
pH		4.9	pH
Sp. Conductance		38	uS/cm
Water temperature		19.5	deg. C
Total Alkalinity as CaCO ₃		1	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.8	NTU
Volumes purged		5.27	well volume
Sampling code			
Synchronous water level	232.7 (06/24/99)	232.2 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				8.9	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<1	< EQL	JU	1	ug/L	WA
		Copper, total recoverable				3.4	NDD	J	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				.48	NDD	J	1	ug/L	WA
		Mercury, total recoverable				.1	NDD	J	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				265	NDD	J	1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				27000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	JU	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	JU	1	ug/L	WA
		Benzene				<5	< EQL	JU	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	JU	1	ug/L	WA
		Bromoform				<5	< EQL	JU	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	JU	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	JU	1	ug/L	WA
		Chlorobenzene				<5	< EQL	JU	1	ug/L	WA
		Chloroethane				<10	< EQL	JU	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	JU	1	ug/L	WA
		Chloroform				<5	< EQL	JU	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	JU	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	JU	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	JU	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<4.73	< EQL	JU	1	ug/L	WA
		Ethylbenzene				<5	< EQL	JU	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	JU	1	ug/L	WA
		Toluene				<5	< EQL	JU	1	ug/L	WA
		Total organic carbon				396	NDD	J	1	ug/L	WA
		Total organic halogens				13	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	JU	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 52D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	JU	1	ug/L	WA
		Trichloroethylene				<5	< EQL	JU	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	JU	1	ug/L	WA
Radionuclides											
		Carbon-14				.694	< EQL	U	1	pCi/L	GP
		Gross alpha				3.01	< 15		1	pCi/L	GP
		Nonvolatile beta				2.77	< 50		1	pCi/L	GP
+		Radium-226				15.2	> 5		1	pCi/L	GP
		Radium-228				.375	< EQL	U	1	pCi/L	GP
		Strontium-90				.171	< EQL	U	1	pCi/L	GP
+		Tritium				21.7	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide resu. in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 53A

<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>
N 76070.8 E 55423.9	33.28445 Deg N -81.6686 Deg W	88.7 - 78.7 ft msl	ft msl	2 " PVC	V	GA

SAMPLE DATE 11/16/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	158.16	ft msl
pH		6.6	pH
Sp. Conductance		124	uS/cm
Water temperature		20.1	deg. C
Total Alkalinity as CaCO ₃		38	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.5	NTU
Volumes purged			well volume
Sampling code			
Synchronous water level	158.9 (06/24/99)	158.3 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
		Inorganics									
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				30.2	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<7	< EQL	U	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				3	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				9330	NDD	J	1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				93000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
		Organics									
		1,1,1-Trichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	JU	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	JU	1	ug/L	WA
		Benzene				<5	< EQL	JU	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	JU	1	ug/L	WA
		Bromoform				<5	< EQL	JU	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	JU	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	JU	1	ug/L	WA
		Chlorobenzene				<5	< EQL	JU	1	ug/L	WA
		Chloroethane				<10	< EQL	JU	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	JU	1	ug/L	WA
		Chloroform				<5	< EQL	JU	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	JU	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	JU	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	JU	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<4.8	< EQL	JU	1	ug/L	WA
		Ethylbenzene				<5	< EQL	JU	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	JU	1	ug/L	WA
		Toluene				<5	< EQL	JU	1	ug/L	WA
		Total organic carbon				330	NDD	J	1	ug/L	WA
		Total organic halogens				22.1	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	JU	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 53A

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	JU	1	ug/L	WA
		Trichloroethylene				<5	< EQL	JU	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	JU	1	ug/L	WA
Radionuclides											
		Carbon-14				3.63	< EQL	U	1	pCi/L	GP
		Gross alpha				.647	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				2.56	< 50		1	pCi/L	GP
		Radium-226				.927	< EQL	U	1	pCi/L	GP
		Radium-228				.523	< EQL	U	1	pCi/L	GP
		Strontium-90				-.132	< EQL	U	1	pCi/L	GP
		Tritium				-.307	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 53AA

<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>
N 76065 E 55431.5	33.28445 Deg N -81.6686 Deg W	48.9 - 38.9 ft msl	ft msl	2 " PVC	V	GA

SAMPLE DATE 11/16/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available		ft msl
pH		6.6	pH
Sp. Conductance		135	uS/cm
Water temperature		19.7	deg. C
Total Alkalinity as CaCO ₃		47	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.4	NTU
Volumes purged			well volume
Sampling code			
Synchronous water level	06/24/99	12/09/99	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				25.9	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<7	< EQL	U	1	ug/L	WA
		Copper, total recoverable				3.4	NDD	J	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				5.4	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				11000	< 400000		2	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				82000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				5.8	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	JU	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	JU	1	ug/L	WA
		Benzene				<5	< EQL	JU	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	JU	1	ug/L	WA
		Bromoform				<5	< EQL	JU	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	JU	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	JU	1	ug/L	WA
		Chlorobenzene				<5	< EQL	JU	1	ug/L	WA
		Chloroethane				<10	< EQL	JU	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	JU	1	ug/L	WA
		Chloroform				<5	< EQL	JU	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	JU	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	JU	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	JU	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	JU	1	ug/L	WA
		Ethylbenzene				<5	< EQL	JU	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	JU	1	ug/L	WA
		Toluene				<5	< EQL	JU	1	ug/L	WA
		Total organic carbon				227	NDD	J	1	ug/L	WA
		Total organic halogens				25.4	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	JU	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 53AA

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	JU	1	ug/L	WA
		Trichloroethylene				<5	< EQL	JU	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	JU	1	ug/L	WA
Radionuclides											
		Carbon-14				.696	< EQL	U	1	pCi/L	GP
		Gross alpha				.298	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				.885	< EQL	U	1	pCi/L	GP
		Radium-226				1.45	< EQL	U	1	pCi/L	GP
		Radium-228				.684	< EQL	U	1	pCi/L	GP
		Strontium-90				-.119	< EQL	U	1	pCi/L	GP
		Tritium				-.0192	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGO 53B**

<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>
N 76076.6 E 55416.2	33.28445 Deg N -81.6687 Deg W	153.5 - 143.5 ft msl	291.1 ft msl	2" PVC	V	LAZ_UTRA

SAMPLE DATE 11/16/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	219.95	ft msl
pH		7.2	pH
Sp. Conductance		210	uS/cm
Water temperature		20.4	deg. C
Total Alkalinity as CaCO ₃		52	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.5	NTU
Volumes purged		2.08	well volume
Sampling code			
Synchronous water level	220.7 (06/24/99)	219.8 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
		Inorganics									
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				26.9	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				1.4	NDD	J	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				1.1	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				5450	NDD	J	1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				124000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
		Organics									
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<7.58	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				375	NDD	J	1	ug/L	WA
		Total organic halogens				<120	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 53B

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				12.3	NDD	J	1	pCi/L	GP
		Gross alpha				.573	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				.708	< EQL	U	1	pCi/L	GP
		Radium-226				1.92	NDD	J	1	pCi/L	GP
		Radium-228				.244	< EQL	U	1	pCi/L	GP
		Strontium-90				-.19	< EQL	U	1	pCi/L	GP
		Tritium				.162	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 53C

<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>
N 76082.5 E 55408.3	33.28445 Deg N -81.6687 Deg W	193.2 - 183.2 ft msl	290.9 ft msl	2" PVC	V	LAZ_UTRA

SAMPLE DATE

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	Not Available	ft msl
pH			pH
Sp. Conductance			uS/cm
Water temperature			deg. C
Total Alkalinity as CaCO ₃			mg/L
Phenolphthalein Alkalinity as CaCO ₃			mg/L
Turbidity			NTU
Volumes purged			well volume
Sampling code			
Synchronous water level	222 (06/24/99)	221.1 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				12.1	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				2.6	NDD	J	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				.34	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				409	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				84000			1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<10.7	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				2.34	NDD	J	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				530	NDD	J	1	ug/L	WA
		Total organic halogens				50.5	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGO 53C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene				43.9	> 5		1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-.942	< EQL	U	1	pCi/L	GP
		Gross alpha				.513	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				.284	< EQL	U	1	pCi/L	GP
		Radium-226				.723	< EQL	U	1	pCi/L	GP
		Radium-228				.509	< EQL	U	1	pCi/L	GP
		Strontium-90				-.0284	< EQL	U	1	pCi/L	GP
+		Tritium				151	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGX 1A

<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>
N 76831.9 E 58590.4	33.29130 Deg N -81.6618 Deg W	124.1 - 114.1 ft msl	291.2 ft msl	4" PVC	S	GA

SAMPLE DATE 11/10/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	157.18	ft msl
pH		11.2	pH
Sp. Conductance		546	uS/cm
Water temperature		21.8	deg. C
Total Alkalinity as CaCO ₃		130	mg/L
Phenolphthalein Alkalinity as CaCO ₃		114	mg/L
Turbidity		1.3	NTU
Volumes purged		.106	well volume
Sampling code		NX	
Synchronous water level	157.8 (06/25/99)	157.3 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<6.1	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				137	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				4.2	NDD	J	1	ug/L	WA
		Copper, total recoverable				2.8	NDD	J	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				104	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				8510	NDD	J	1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				177000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				7.7	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<6.02	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				968	NDD	J	1	ug/L	WA
		Total organic halogens				24.9	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGX 1A

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				2.19	NDD	J	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-1.06	< EQL	U	1	pCi/L	GP
		Gross alpha				1.01	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				2.05	NDD	J	1	pCi/L	GP
		Radium-226				.819	< EQL	U	1	pCi/L	GP
		Radium-228				.0689	< EQL	U	1	pCi/L	GP
		Strontium-90				-.0135	< EQL	U	1	pCi/L	GP
+		Tritium				96.6	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGX 1C

<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>
N 76820 E 58599.8	33.29129 Deg N -81.6617 Deg W	186 - 176 ft msl	291.3 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE 11/18/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	213.49	ft msl
pH		8.3	pH
Sp. Conductance		98	uS/cm
Water temperature		20.8	deg. C
Total Alkalinity as CaCO3		41	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		1	NTU
Volumes purged		2.24	well volume
Sampling code			
Synchronous water level	214.3 (06/25/99)	213.4 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				18.1	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				4.6	NDD	J	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				3.7	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				560	NDD	J	1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				43000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<13.5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				262	NDD	J	1	ug/L	WA
		Total organic halogens				<120	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGX 1C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-2.77	< EQL	U	1	pCi/L	GP
		Gross alpha				.395	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				.682	< EQL	U	1	pCi/L	GP
		Radium-226				.432	< EQL	U	1	pCi/L	GP
		Radium-228				-.84	< EQL	U	1	pCi/L	GP
		Strontium-90				-.482	< EQL	JU	1	pCi/L	GP
+		Tritium				45.1	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide result in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGX 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>
N 76809.5 E 58608.6	33.29128 Deg N -81.6617 Deg W	234.7 - 214.7 ft msl	291.3 ft msl	4 " PVC	S	UAZ_UTRA

SAMPLE DATE 12/01/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	227.72	ft msl
pH		5.4	pH
Sp. Conductance		50	uS/cm
Water temperature		18.7	deg. C
Total Alkalinity as CaCO3		19	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		6.8	NTU
Volumes purged		.118	well volume
Sampling code		NX	
Synchronous water level	228.4 (06/25/99)	227.7 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				22.1	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<3	< EQL	U	1	ug/L	WA
		Copper, total recoverable				6.9	NDD	J	1	ug/L	WA
		Lead, total recoverable				26.5	NDD	J	1	ug/L	WA
		Lithium, total recoverable				7	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				3.6	NDD	J	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<.5	< EQL	JU	1	ug/L	WA
		Sulfate				710	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				128000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				25.4	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				3.87	NDD	J	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5.04	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				661	NDD	J	1	ug/L	WA
		Total organic halogens				21.1	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGX 1D

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				1.76	NDD	J	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				.955	< EQL	U	1	pCi/L	GP
		Gross alpha				1.22	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				3.05	NDD	J	1	pCi/L	GP
		Radium-226				1.37	< EQL	U	1	pCi/L	GP
		Radium-228				.621	< EQL	U	1	pCi/L	GP
		Strontium-90				.345	< EQL	JU	1	pCi/L	GP
+		Tritium				4290	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGX 2B**

<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>
N 77203.4 E 58256.5	33.29158 Deg N -81.6634 Deg W	147.2 - 137.2 ft msl	291.3 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE 11/12/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	210.6	ft msl
pH		6.6	pH
Sp. Conductance		234	uS/cm
Water temperature		18.5	deg. C
Total Alkalinity as CaCO ₃		99	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		4	NTU
Volumes purged		.042	well volume
Sampling code		NX	
Synchronous water level	211.3 (06/25/99)	209.7 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<2.7	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<4	< EQL	JU	1	ug/L	WA
		Barium, total recoverable				61.9	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				2.2	NDD	J	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				4.8	NDD	J	1	ug/L	WA
		Lithium, total recoverable				4.1	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				26	Rejected	R	1	ug/L	WA
		Sulfate				4350	NDD	J	1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				156000			1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<12.3	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				1110	< 1000000		1	ug/L	WA
		Total organic halogens				<120	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGX 2B

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				3.3	< EQL	U	1	pCi/L	GP
		Gross alpha				1.13	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				.835	< EQL	U	1	pCi/L	GP
		Radium-226				1.64	NDD	J	1	pCi/L	GP
		Radium-228				.26	< EQL	U	1	pCi/L	GP
		Strontium-90				~.197	< EQL	U	1	pCi/L	GP
		Tritium				1.38	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGX 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>
N 77192.4 E 58265.6	33.29157 Deg N -81.6633 Deg W	191.1 - 181.1 ft msl	291.1 ft msl	4" PVC	S	LAZ_UTRA

SAMPLE DATE

11/10/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	213.1	ft msl
pH		5.7	pH
Sp. Conductance		31	uS/cm
Water temperature		20.8	deg. C
Total Alkalinity as CaCO ₃		5	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		4	NTU
Volumes purged		.144	well volume
Sampling code		NX	
Synchronous water level	213.9 (06/25/99)	212.8 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<3.5	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				4.7	NDD	J	1	ug/L	WA
		Barium, total recoverable				8.3	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				2	NDD	J	1	ug/L	WA
		Copper, total recoverable				30.4	< 1000		1	ug/L	WA
		Lead, total recoverable				15.3	NDD	J	1	ug/L	WA
		Lithium, total recoverable				2.1	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<.94	< EQL	JU	1	ug/L	WA
		Sulfate				282	NDD	J	1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				26000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				63.1	< 5000		1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				1.37	NDD	J	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5.56	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				2.9	NDD	J	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				1030	< 1000000		1	ug/L	WA
		Total organic halogens				43.2	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGX 2D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene				28.8	> 5		1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				1.1	< EQL	U	1	pCi/L	GP
		Gross alpha				.225	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				.603	< EQL	U	1	pCi/L	GP
		Radium-226				.277	< EQL	U	1	pCi/L	GP
		Radium-228				.14	< EQL	U	1	pCi/L	GP
		Strontium-90				~.128	< EQL	U	1	pCi/L	GP
+		Tritium				140	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGX 3D**

<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>
N 77577 E 57780.1	33.29163 Deg N -81.6653 Deg W	221.6 - 201.6 ft msl	291.2 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE 11/12/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	214.92	ft msl
pH		5.5	pH
Sp. Conductance		20	uS/cm
Water temperature		19.4	deg. C
Total Alkalinity as CaCO ₃		5	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		1.2	NTU
Volumes purged		3.14	well volume
Sampling code			
Synchronous water level	213.7 (06/25/99)	212.4 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
		Inorganics									
		Antimony, total recoverable				<27	<EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	<EQL	U	1	ug/L	WA
		Barium, total recoverable				9.4	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	<EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	<EQL	U	1	ug/L	WA
		Chromium, total recoverable				<7	<EQL	U	1	ug/L	WA
		Copper, total recoverable				24.9	< 1000		1	ug/L	WA
		Lead, total recoverable				8.3	NDD	J	1	ug/L	WA
		Lithium, total recoverable				2.4	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	<EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	<EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	<EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	<EQL	U	1	ug/L	WA
		Sulfate				330	NDD	J	1	ug/L	WA
		Tin, total recoverable				<70	<EQL	U	1	ug/L	WA
		Total dissolved solids				13000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				24.8	NDD	J	1	ug/L	WA
		Organics									
		1,1,1-Trichloroethane				<5	<EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	<EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	<EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	<EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	<EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	<EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	<EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	<EQL	U	1	ug/L	WA
		Benzene				<5	<EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	<EQL	U	1	ug/L	WA
		Bromoform				<5	<EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	<EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	<EQL	U	1	ug/L	WA
		Chlorobenzene				<5	<EQL	U	1	ug/L	WA
		Chloroethane				<10	<EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	<EQL	U	1	ug/L	WA
		Chloroform				<5	<EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	<EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	<EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	<EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<11.4	<EQL	U	1	ug/L	WA
		Ethylbenzene				<5	<EQL	U	1	ug/L	WA
		Phenols				<37	<EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	<EQL	U	1	ug/L	WA
		Toluene				<5	<EQL	U	1	ug/L	WA
		Total organic carbon				481	NDD	J	1	ug/L	WA
		Total organic halogens				13.7	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	<EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGX 3D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				5.18	< EQL	U	1	pCi/L	GP
		Gross alpha				.323	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				1.06	< EQL	U	1	pCi/L	GP
		Radium-226				0	< EQL	U	1	pCi/L	GP
		Radium-228				.274	< EQL	U	1	pCi/L	GP
		Strontium-90				.62	< EQL	U	1	pCi/L	GP
+		Tritium				187	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide resu. in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGX 4A**

<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>
N 77879.2 E 57215.6	33.29137 Deg N -81.6674 Deg W	116.8 - 106.8 ft msl	290.9 ft msl	4 " PVC	S	GA

SAMPLE DATE 11/15/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	154.6	ft msl
pH		7.4	pH
Sp. Conductance		242	uS/cm
Water temperature		19.1	deg. C
Total Alkalinity as CaCO ₃		106	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.5	NTU
Volumes purged		0	well volume
Sampling code			
Synchronous water level	155 (06/25/99)	154.4 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				43.1	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				2.5	NDD	J	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				6.4	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				9190	NDD	J	1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				168000			1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				2380	< 1000000		1	ug/L	WA
		Total organic halogens				31.1	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGX 4A

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				3.15	< EQL	U	1	pCi/L	GP
		Gross alpha				.42	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				1.23	NDD	J	1	pCi/L	GP
		Radium-226				.708	< EQL	U	1	pCi/L	GP
		Radium-228				.277	< EQL	U	1	pCi/L	GP
		Strontium-90				.0408	< EQL	U	1	pCi/L	GP
		Tritium				-.109	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGX 4C**

<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>
N 77886.2 E 57202.2	33.29137 Deg N -81.6675 Deg W	180.7 - 170.7 ft msl	290.8 ft msl	4" PVC	S	LAZ_UTRA

SAMPLE DATE 11/15/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	212.07	ft msl
pH		5.9	pH
Sp. Conductance		42	uS/cm
Water temperature		19.1	deg. C
Total Alkalinity as CaCO ₃		12	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.7	NTU
Volumes purged		3.51	well volume
Sampling code			
Synchronous water level	213 (06/25/99)	211.5 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
		Inorganics									
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				4.7	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<7	< EQL	U	1	ug/L	WA
		Copper, total recoverable				5.4	NDD	J	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				.8	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				649	NDD	J	1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				27000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				10.8	NDD	J	1	ug/L	WA
		Organics									
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				753	NDD	J	1	ug/L	WA
		Total organic halogens				12.5	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGX 4C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				2.24	NDD	J	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				1.81	< EQL	U	1	pCi/L	GP
		Gross alpha				.216	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				.574	< EQL	U	1	pCi/L	GP
		Radium-226				1.73	NDD	J	1	pCi/L	GP
		Radium-228				.233	< EQL	U	1	pCi/L	GP
		Strontium-90				-.328	< EQL	U	1	pCi/L	GP
		Tritium				6.76	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGX 4D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 77893.9 E 57186.2	33.29136 Deg N -81.6675 Deg W	223.8 - 203.8 ft msl	290.9 ft msl	4" PVC	S	LAZ_UTRA

SAMPLE DATE 11/15/99

FIELD DATA

Parameter	2Q99	4Q99	Unit
Water Elevation	Not Available	215.8	ft msl
pH		6.6	pH
Sp. Conductance		44	uS/cm
Water temperature		20.5	deg. C
Total Alkalinity as CaCO ₃		11	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		3.9	NTU
Volumes purged		0	well volume
Sampling code			
Synchronous water level	214.2 (06/25/99)	212.7 (12/08/99)	ft msl

ANALYTICAL DATA

H	ST	Parameter	2Q99	Filt.	Mod	4Q99	Filt.	Mod	DF	Unit	Lab	
		Inorganics										
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA	
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA	
		Barium, total recoverable				48.5	< 2000		1	ug/L	WA	
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA	
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA	
		Chromium, total recoverable				4.7	NDD	J	1	ug/L	WA	
		Copper, total recoverable				23.4	< 1000		1	ug/L	WA	
+		Lead, total recoverable				113	> 50		1	ug/L	WA	
		Lithium, total recoverable				11.6	< 250		1	ug/L	WA	
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA	
		Nickel, total recoverable				4.1	NDD	J	1	ug/L	WA	
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA	
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA	
		Sulfate				446	NDD	J	1	ug/L	WA	
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA	
		Total dissolved solids				47000	NDD	J	1	ug/L	WA	
		Zinc, total recoverable				32.9	NDD	J	1	ug/L	WA	
		Organics										
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA	
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA	
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA	
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA	
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA	
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA	
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA	
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA	
		Benzene				<5	< EQL	U	1	ug/L	WA	
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA	
		Bromoform				<5	< EQL	U	1	ug/L	WA	
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA	
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA	
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA	
		Chloroethane				<10	< EQL	U	1	ug/L	WA	
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA	
		Chloroform				<5	< EQL	U	1	ug/L	WA	
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA	
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA	
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA	
		Dichloromethane (Methylene chloride)				<7.39	< EQL	U	1	ug/L	WA	
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA	
		Phenols				<37	< EQL	U	1	ug/L	WA	
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA	
		Toluene				<5	< EQL	U	1	ug/L	WA	
		Total organic carbon				715	NDD	J	1	ug/L	WA	
		Total organic halogens				16.9	NDD	J	1	ug/L	WA	
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA	

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGX 4D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				2.37	< EQL	U	1	pCi/L	GP
		Gross alpha				1.33	NDD	J	1	pCi/L	GP
		Nonvolatile beta				1.48	NDD	J	1	pCi/L	GP
		Radium-226				1.1	< EQL	U	1	pCi/L	GP
		Radium-228				.767	< EQL	U	1	pCi/L	GP
		Strontium-90				-.052	< EQL	U	1	pCi/L	GP
+		Tritium				48.6	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide resu. in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGX 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>
N 78402 E 57308.6	33.29268 Deg N -81.6682 Deg W	215 - 195 ft msl	285 ft msl	4" PVC	S	LAZ_UTRA

SAMPLE DATE 11/19/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	206.36	ft msl
pH		5.4	pH
Sp. Conductance		52	uS/cm
Water temperature		20.8	deg. C
Total Alkalinity as CaCO ₃		3	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		2.9	NTU
Volumes purged		4.37	well volume
Sampling code			
Synchronous water level	207.4 (06/25/99)	206.2 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				32.1	< 2000		1	ug/L	WA
		Boron, total recoverable				56.1	NDD	J	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<1.2	< EQL	JU	1	ug/L	WA
		Copper, total recoverable				5.2	NDD	J	1	ug/L	WA
		Lead, total recoverable				11.3	NDD	J	1	ug/L	WA
		Lithium, total recoverable				4.6	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				5.7	NDD	J	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				9930	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				49000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				16.9	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<7.96	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				471	NDD	J	1	ug/L	WA
		Total organic halogens				19.2	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGX 5D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-8.6	< EQL	U	1	pCi/L	GP
		Gross alpha				4.18	< 15		1	pCi/L	GP
		Nonvolatile beta				3.62	< 50		1	pCi/L	GP
		Radium-226				2.65	NDD	J	1	pCi/L	GP
		Radium-228				.817	NDD	J	1	pCi/L	GP
		Strontium-90				-.136	< EQL	U	1	pCi/L	GP
+		Tritium				40.8	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGX 6D**

<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>
N 78740.1 E 57524.9	33.29378 Deg N -81.6683 Deg W	211 - 191 ft msl	277 ft msl	4" PVC	S	LAZ_UTRA

SAMPLE DATE 11/20/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	203.28	ft msl
pH		6.1	pH
Sp. Conductance		62	uS/cm
Water temperature		19.5	deg. C
Total Alkalinity as CaCO ₃		19	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		1.9	NTU
Volumes purged		4.16	well volume
Sampling code			
Synchronous water level	204.2 (06/24/99)	203.3 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
		Inorganics									
		Antimony, total recoverable	<27	< EQL	U	1	ug/L	WA			
		Arsenic, total recoverable	<40	< EQL	U	1	ug/L	WA			
		Barium, total recoverable	12.8	< 2000		1	ug/L	WA			
		Boron, total recoverable	<266	< EQL	U	1	ug/L	WA			
		Cadmium, total recoverable	<4.7	< EQL	U	1	ug/L	WA			
		Chromium, total recoverable	1.5	NDD	J	1	ug/L	WA			
		Copper, total recoverable	2.7	NDD	J	1	ug/L	WA			
		Lead, total recoverable	4.9	NDD	J	1	ug/L	WA			
		Lithium, total recoverable	2.4	NDD	J	1	ug/L	WA			
		Mercury, total recoverable	<.7	< EQL	U	1	ug/L	WA			
		Nickel, total recoverable	<26	< EQL	U	1	ug/L	WA			
		Selenium, total recoverable	<66	< EQL	U	1	ug/L	WA			
		Silver, total recoverable	<5	< EQL	U	1	ug/L	WA			
		Sulfate	2380	< 400000		1	ug/L	WA			
		Tin, total recoverable	<70	< EQL	U	1	ug/L	WA			
		Total dissolved solids	36000	NDD	J	1	ug/L	WA			
		Zinc, total recoverable	14.6	NDD	J	1	ug/L	WA			
		Organics									
		1,1,1-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloropropane	<5	< EQL	U	1	ug/L	WA			
		2-Chloroethyl vinyl ether	<10	< EQL	U	1	ug/L	WA			
		Benzene	<5	< EQL	U	1	ug/L	WA			
		Bromodichloromethane	<5	< EQL	U	1	ug/L	WA			
		Bromoform	<5	< EQL	U	1	ug/L	WA			
		Bromomethane (Methyl bromide)	<10	< EQL	U	1	ug/L	WA			
		Carbon tetrachloride	<5	< EQL	U	1	ug/L	WA			
		Chlorobenzene	<5	< EQL	U	1	ug/L	WA			
		Chloroethane	<10	< EQL	U	1	ug/L	WA			
		Chloroethene (Vinyl chloride)	<10	< EQL	U	1	ug/L	WA			
		Chloroform	<5	< EQL	U	1	ug/L	WA			
		Chloromethane (Methyl chloride)	<10	< EQL	U	1	ug/L	WA			
		cis-1,3-Dichloropropene	<5	< EQL	U	1	ug/L	WA			
		Dibromochloromethane	<5	< EQL	U	1	ug/L	WA			
		Dichloromethane (Methylene chloride)	<8.36	< EQL	U	1	ug/L	WA			
		Ethylbenzene	<5	< EQL	U	1	ug/L	WA			
		Phenols	<37	< EQL	U	1	ug/L	WA			
		Tetrachloroethylene	<5	< EQL	U	1	ug/L	WA			
		Toluene	<5	< EQL	U	1	ug/L	WA			
		Total organic carbon	425	NDD	J	1	ug/L	WA			
		Total organic halogens	20.3	NDD	J	1	ug/L	WA			
		trans-1,2-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGX 6D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-6.27	< EQL	U	1	pCi/L	GP
		Gross alpha				.425	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				.963	NDD	J	1	pCi/L	GP
		Radium-226				.409	< EQL	U	1	pCi/L	GP
		Radium-228				.0498	< EQL	U	1	pCi/L	GP
		Strontium-90				.258	< EQL	U	1	pCi/L	GP
+		Tritium				71.4	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGX 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>
N 78349.3 E 58312.8	33.29420 Deg N -81.6654 Deg W	214.1 - 194.1 ft msl	279.2 ft msl	4" PVC	S	LAZ_UTRA

SAMPLE DATE 11/29/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	203.34	ft msl
pH		7.7	pH
Sp. Conductance		19	uS/cm
Water temperature		20.3	deg. C
Total Alkalinity as CaCO ₃		3	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		1	NTU
Volumes purged		3.37	well volume
Sampling code			
Synchronous water level	204.2 (06/24/99)	203.3 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
		Inorganics									
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				9.3	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<1.1	< EQL	JU	1	ug/L	WA
		Copper, total recoverable				2.4	NDD	J	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				4.8	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<1.4	< EQL	U	1	ug/L	WA
		Sulfate				494	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				26000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				23.5	NDD	J	1	ug/L	WA
		Organics									
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<12.5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				<5000	< EQL	U	1	ug/L	WA
		Total organic halogens				<120	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGX 7D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-2.32	< EQL	U	1	pCi/L	GP
		Gross alpha				1.46	NDD	J	1	pCi/L	GP
		Nonvolatile beta				1.26	NDD	J	1	pCi/L	GP
		Radium-226				2.14	< EQL	U	1	pCi/L	GP
		Radium-228				.482	< EQL	U	1	pCi/L	GP
		Strontium-90				~.187	< EQL	U	1	pCi/L	GP
+		Tritium				227	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGX 8DR**

<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>
N 77589.6 E 58942.5	33.29355 Deg N -81.6623 Deg W	203.1 - 183.1 ft msl	278.2 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE 11/30/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	203.11	ft msl
pH		4.9	pH
Sp. Conductance		32	uS/cm
Water temperature		18.7	deg. C
Total Alkalinity as CaCO ₃		0	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.6	NTU
Volumes purged		3.46	well volume
Sampling code			
Synchronous water level	203.8 (06/24/99)	203.2 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	1	ug/L	WA			
		Arsenic, total recoverable	<40	< EQL	U	1	ug/L	WA			
		Barium, total recoverable	12.9	< 2000		1	ug/L	WA			
		Boron, total recoverable	<266	< EQL	U	1	ug/L	WA			
		Cadmium, total recoverable	<4.7	< EQL	U	1	ug/L	WA			
		Chromium, total recoverable	<1.2	< EQL	U	1	ug/L	WA			
		Copper, total recoverable	<15	< EQL	U	1	ug/L	WA			
		Lead, total recoverable	10.9	NDD	J	1	ug/L	WA			
		Lithium, total recoverable	1.2	NDD	J	1	ug/L	WA			
		Mercury, total recoverable	<.7	< EQL	U	1	ug/L	WA			
		Nickel, total recoverable	<26	< EQL	U	1	ug/L	WA			
		Selenium, total recoverable	<66	< EQL	U	1	ug/L	WA			
		Silver, total recoverable	<5	< EQL	U	1	ug/L	WA			
		Sulfate	400	< 400000		1	ug/L	WA			
		Tin, total recoverable	<70	< EQL	U	1	ug/L	WA			
		Total dissolved solids	<50000	< EQL	JU	1	ug/L	WA			
		Zinc, total recoverable	<53	< EQL	U	1	ug/L	WA			
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloropropane	<5	< EQL	U	1	ug/L	WA			
		2-Chloroethyl vinyl ether	<10	< EQL	U	1	ug/L	WA			
		Benzene	<5	< EQL	U	1	ug/L	WA			
		Bromodichloromethane	<5	< EQL	U	1	ug/L	WA			
		Bromoform	<5	< EQL	U	1	ug/L	WA			
		Bromomethane (Methyl bromide)	<10	< EQL	U	1	ug/L	WA			
		Carbon tetrachloride	<5	< EQL	U	1	ug/L	WA			
		Chlorobenzene	<5	< EQL	U	1	ug/L	WA			
		Chloroethane	<10	< EQL	U	1	ug/L	WA			
		Chloroethene (Vinyl chloride)	<10	< EQL	U	1	ug/L	WA			
		Chloroform	<5	< EQL	U	1	ug/L	WA			
		Chloromethane (Methyl chloride)	<10	< EQL	U	1	ug/L	WA			
		cis-1,3-Dichloropropene	<5	< EQL	U	1	ug/L	WA			
		Dibromochloromethane	<5	< EQL	U	1	ug/L	WA			
		Dichloromethane (Methylene chloride)	<4.94	< EQL	U	1	ug/L	WA			
		Ethylbenzene	<5	< EQL	U	1	ug/L	WA			
		Phenols	<37	< EQL	U	1	ug/L	WA			
+		Tetrachloroethylene	9.6	> 5		1	ug/L	WA			
		Toluene	<5	< EQL	U	1	ug/L	WA			
		Total organic carbon	<5000	< EQL	U	1	ug/L	WA			
		Total organic halogens	18.6	NDD	J	1	ug/L	WA			
		trans-1,2-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGX 8DR

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				1.77	NDD	J	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				.197	< EQL	U	1	pCi/L	GP
		Gross alpha				.772	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				.528	< EQL	U	1	pCi/L	GP
		Radium-226				2.1	< EQL	U	1	pCi/L	GP
		Radium-228				.162	< EQL	U	1	pCi/L	GP
		Strontium-90				.371	< EQL	JU	1	pCi/L	GP
+		Tritium				2790	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide resu. in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGX 9D

<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>
N 76936 E 59522.1	33.29305 Deg N -81.6595 Deg W	232.4 - 212.4 ft msl	279.4 ft msl	4" PVC	S	UAZ_UTRA

SAMPLE DATE 11/20/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	225.41	ft msl
pH		5.1	pH
Sp. Conductance		27	uS/cm
Water temperature		19.5	deg. C
Total Alkalinity as CaCO ₃		0	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.7	NTU
Volumes purged		2.98	well volume
Sampling code			
Synchronous water level	225.7 (06/24/99)	225.4 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
		Inorganics									
		Antimony, total recoverable	<27	< EQL	U	1	ug/L	WA			
		Arsenic, total recoverable	<40	< EQL	U	1	ug/L	WA			
		Barium, total recoverable	5.1	< 2000		1	ug/L	WA			
		Boron, total recoverable	<266	< EQL	U	1	ug/L	WA			
		Cadmium, total recoverable	<4.7	< EQL	U	1	ug/L	WA			
		Chromium, total recoverable	<7	< EQL	U	1	ug/L	WA			
		Copper, total recoverable	1.5	NDD	J	1	ug/L	WA			
		Lead, total recoverable	<47	< EQL	U	1	ug/L	WA			
		Lithium, total recoverable	1.7	NDD	J	1	ug/L	WA			
		Mercury, total recoverable	<7	< EQL	U	1	ug/L	WA			
		Nickel, total recoverable	<26	< EQL	U	1	ug/L	WA			
		Selenium, total recoverable	<66	< EQL	U	1	ug/L	WA			
		Silver, total recoverable	<5	< EQL	U	1	ug/L	WA			
		Sulfate	496	< 400000		1	ug/L	WA			
		Tin, total recoverable	<70	< EQL	U	1	ug/L	WA			
		Total dissolved solids	5000	NDD	J	1	ug/L	WA			
		Zinc, total recoverable	<53	< EQL	U	1	ug/L	WA			
		Organics									
		1,1,1-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloropropane	<5	< EQL	U	1	ug/L	WA			
		2-Chloroethyl vinyl ether	<10	< EQL	U	1	ug/L	WA			
		Benzene	<5	< EQL	U	1	ug/L	WA			
		Bromodichloromethane	<5	< EQL	U	1	ug/L	WA			
		Bromoform	<5	< EQL	U	1	ug/L	WA			
		Bromomethane (Methyl bromide)	<10	< EQL	U	1	ug/L	WA			
		Carbon tetrachloride	<5	< EQL	U	1	ug/L	WA			
		Chlorobenzene	<5	< EQL	U	1	ug/L	WA			
		Chloroethane	<10	< EQL	U	1	ug/L	WA			
		Chloroethene (Vinyl chloride)	<10	< EQL	U	1	ug/L	WA			
		Chloroform	<5	< EQL	U	1	ug/L	WA			
		Chloromethane (Methyl chloride)	<10	< EQL	U	1	ug/L	WA			
		cis-1,3-Dichloropropene	<5	< EQL	U	1	ug/L	WA			
		Dibromochloromethane	<5	< EQL	U	1	ug/L	WA			
		Dichloromethane (Methylene chloride)	<7.96	< EQL	U	1	ug/L	WA			
		Ethylbenzene	<5	< EQL	U	1	ug/L	WA			
		Phenols	<37	< EQL	U	1	ug/L	WA			
		Tetrachloroethylene	<5	< EQL	U	1	ug/L	WA			
		Toluene	<5	< EQL	U	1	ug/L	WA			
		Total organic carbon	253	NDD	J	1	ug/L	WA			
		Total organic halogens	15.6	NDD	J	1	ug/L	WA			
		trans-1,2-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGX 9D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-1.88	< EQL	U	1	pCi/L	GP
		Gross alpha				3.99	< 15		1	pCi/L	GP
		Nonvolatile beta				2.27	< 50		1	pCi/L	GP
		Radium-226				.299	< EQL	U	1	pCi/L	GP
		Radium-228				1.11	NDD	J	1	pCi/L	GP
		Strontium-90				.212	< EQL	U	1	pCi/L	GP
		Tritium				8.1	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGX 10D

<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>
N 76183.3 E 59765.5	33.29178 Deg N -81.6574 Deg W	236.2 - 216.2 ft msl	276.9 ft msl	4" PVC	S	UAZ_UTRA

SAMPLE DATE

11/20/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	224.2	ft msl
pH		6.1	pH
Sp. Conductance		28	uS/cm
Water temperature		22.6	deg. C
Total Alkalinity as CaCO ₃		16	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		11.3	NTU
Volumes purged		1.16	well volume
Sampling code		NX	
Synchronous water level	224.6 (06/24/99)	224.2 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				13.3	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				3.3	NDD	J	1	ug/L	WA
		Copper, total recoverable				11.2	NDD	J	1	ug/L	WA
		Lead, total recoverable				14.1	NDD	J	1	ug/L	WA
		Lithium, total recoverable				.47	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				3.3	NDD	J	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				287	NDD	J	1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				7000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				136	< 5000		1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				302	NDD	J	1	ug/L	WA
		Total organic halogens				13.3	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGX 10D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-4.88	< EQL	U	1	pCi/L	GP
		Gross alpha				2.95	< 15		1	pCi/L	GP
		Nonvolatile beta				3.39	NDD	J	1	pCi/L	GP
		Radium-226				1.47	NDD	J	1	pCi/L	GP
		Radium-228				.0097	< EQL	U	1	pCi/L	GP
		Strontium-90				-.261	< EQL	U	1	pCi/L	GP
		Tritium				7.58	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGX 11D**

<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>
N 75300.7 E 59581.4	33.28953 Deg N -81.6562 Deg W	236.7 - 216.7 ft msl	276.3 ft msl	4 " PVC	S	UAZ_UTRA

SAMPLE DATE 11/20/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	233.19	ft msl
pH		5.6	pH
Sp. Conductance		41	uS/cm
Water temperature		22.6	deg. C
Total Alkalinity as CaCO ₃		3	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		10.2	NTU
Volumes purged		.281	well volume
Sampling code		NX	
Synchronous water level	232.9 (06/24/99)	232.9 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<8.1	< EQL	U	1	ug/L	WA
		Barium, total recoverable				13.1	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<.97	< EQL	JU	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				9	NDD	J	1	ug/L	WA
		Lithium, total recoverable				5.3	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				455	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				18000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<7.61	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				2240	< 1000000		1	ug/L	WA
		Total organic halogens				20.7	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGX 11D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				19.8	< 2000		1	pCi/L	GP
		Gross alpha				3.17	< 15		1	pCi/L	GP
		Nonvolatile beta				3.75	< 50		1	pCi/L	GP
		Radium-226				.714	< EQL	U	1	pCi/L	GP
		Radium-228				.308	< EQL	U	1	pCi/L	GP
		Strontium-90				.291	< EQL	U	1	pCi/L	GP
		Tritium				13.5	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BGX 12C**

<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>
N 74427.9 E 59675.3	33.28775 Deg N -81.6542 Deg W	184.1 - 174.1 ft msl	275.1 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE 11/17/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	233.32	ft msl
pH		6.1	pH
Sp. Conductance		25	uS/cm
Water temperature		20.2	deg. C
Total Alkalinity as CaCO ₃		9	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.9	NTU
Volumes purged		3.10	well volume
Sampling code			
Synchronous water level	233.3 (06/25/99)	233.1 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				11.3	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				2.4	NDD	J	1	ug/L	WA
		Copper, total recoverable				2.1	NDD	J	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				3.6	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				813	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				64000			1	ug/L	WA
		Zinc, total recoverable				10.4	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<4.91	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				776	NDD	J	1	ug/L	WA
		Total organic halogens				17.8	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGX 12C

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				2.12	< EQL	U	1	pCi/L	GP
		Gross alpha				.059	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				.976	< EQL	U	1	pCi/L	GP
		Radium-226				1.21	< EQL	U	1	pCi/L	GP
		Radium-228				1.24	NDD	J	1	pCi/L	GP
		Strontium-90				-.0255	< EQL	U	1	pCi/L	GP
		Tritium				-.141	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide result, in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGX 12D

<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>
N 74410.9 E 59674.3	33.28771 Deg N -81.6542 Deg W	243.7 - 223.7 ft msl	275.2 ft msl	4 " PVC	S	UAZ_UTRA

SAMPLE DATE 11/18/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	236.38	ft msl
pH		5.2	pH
Sp. Conductance		20	uS/cm
Water temperature		19.3	deg. C
Total Alkalinity as CaCO ₃		1	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		3.5	NTU
Volumes purged		.122	well volume
Sampling code		NX	
Synchronous water level	236.3 (06/25/99)	236.1 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				14.1	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<1.1	< EQL	JU	1	ug/L	WA
		Copper, total recoverable				3.8	NDD	J	1	ug/L	WA
		Lead, total recoverable				11.6	NDD	J	1	ug/L	WA
		Lithium, total recoverable				1.7	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				745	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				35000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				15.1	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				803	NDD	J	1	ug/L	WA
		Total organic halogens				<120	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BGX 12D

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-1.05	< EQL	U	1	pCi/L	GP
		Gross alpha				1.4	NDD	J	1	pCi/L	GP
		Nonvolatile beta				1.41	NDD	J	1	pCi/L	GP
		Radium-226				.616	< EQL	U	1	pCi/L	GP
		Radium-228				.629	< EQL	U	1	pCi/L	GP
		Strontium-90				-1.17	< EQL	U	1	pCi/L	GP
		Tritium				15	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 1C113

<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>
N 73216.88 E 57146.9	33.28095 Deg N -81.6585 Deg W	171.59 - 169.1 ft msl	292.07 ft msl	4 " PVC	V	LAZ_UTRA

SAMPLE DATE 01/04/00

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	61.6	ft msl
pH		5.8	pH
Sp. Conductance		36	uS/cm
Water temperature		18.8	deg. C
Total Alkalinity as CaCO3		4	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		1.8	NTU
Volumes purged		-01	well volume
Sampling code			
Synchronous water level			ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				48.9	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<1	< EQL	JU	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				12.6	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				1660	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				71000			1	ug/L	WA
		Zinc, total recoverable				12.5	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				1.45	NDD	J	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				1320	< 1000000		1	ug/L	WA
		Total organic halogens				19.2	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 1C113

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene				8.7	> 5		1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				30.3	< 2000		1	pCi/L	GP
		Gross alpha				.881	NDD	J	1	pCi/L	GP
		Nonvolatile beta				.815	< EQL	U	1	pCi/L	GP
		Radium-226				2.33	NDD	J	1	pCi/L	GP
		Radium-228				.0606	< EQL	U	1	pCi/L	GP
		Strontium-90				-.206	< EQL	JU	1	pCi/L	GP
+		Tritium				4350	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 1C132

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N 73216.88 E 57146.9	33.28095 Deg N -81.6585 Deg W	153.03 - 150.5 ft msl	292.07 ft msl	4" PVC		LAZ_UTRA

SAMPLE DATE 01/05/00

FIELD DATA

Parameter	2Q99	4Q99	Unit
Water Elevation	Not Available	Not Available	ft msl
pH		6	pH
Sp. Conductance		38	uS/cm
Water temperature		17.7	deg. C
Total Alkalinity as CaCO ₃		12	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		3	NTU
Volumes purged			well volume
Sampling code			
Synchronous water level			ft msl

ANALYTICAL DATA

H	SI	Parameter	2Q99	Filt.	Mod	4Q99	Filt.	Mod	DF	Unit	Lab
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				33.8	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<1.1	< EQL	JU	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				8.5	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				1770	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				26000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				26.9	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				1.66	NDD	J	1	ug/L	WA
		Chloromethane (Methyl chloride)				4.59	NDD	J	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				1020	< 1000000		1	ug/L	WA
		Total organic halogens				33.6	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 1C132

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene				13.3	> 5		1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-1.76	< EQL	U	1	pCi/L	GP
		Gross alpha				.477	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				.937	< EQL	U	1	pCi/L	GP
		Radium-226				.371	< EQL	U	1	pCi/L	GP
		Radium-228				-.0054	< EQL	U	1	pCi/L	GP
		Strontium-90				.268	< EQL	U	1	pCi/L	GP
+		Tritium				432	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BSE 1C144**

<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>
N 73216.88 E 57146.9	33.28095 Deg N -81.6585 Deg W	140.49 - 138.0 ft msl	292.07 ft msl	4" PVC		LAZ_UTRA

SAMPLE DATE 01/05/00

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	Not Available	ft msl
pH		6.3	pH
Sp. Conductance		43	uS/cm
Water temperature		17.9	deg. C
Total Alkalinity as CaCO ₃		18	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		1.1	NTU
Volumes purged			well volume
Sampling code			
Synchronous water level			ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	1	ug/L	WA			
		Arsenic, total recoverable	<40	< EQL	U	1	ug/L	WA			
		Barium, total recoverable	29.9	< 2000		1	ug/L	WA			
		Boron, total recoverable	<266	< EQL	U	1	ug/L	WA			
		Cadmium, total recoverable	<4.7	< EQL	U	1	ug/L	WA			
		Chromium, total recoverable	<1.2	< EQL	JU	1	ug/L	WA			
		Copper, total recoverable	<15	< EQL	U	1	ug/L	WA			
		Lead, total recoverable	<47	< EQL	U	1	ug/L	WA			
		Lithium, total recoverable	7.8	< 250		1	ug/L	WA			
		Mercury, total recoverable	<.7	< EQL	U	1	ug/L	WA			
		Nickel, total recoverable	<26	< EQL	U	1	ug/L	WA			
		Selenium, total recoverable	<66	< EQL	U	1	ug/L	WA			
		Silver, total recoverable	<5	< EQL	U	1	ug/L	WA			
		Sulfate	1770	< 400000		1	ug/L	WA			
		Tin, total recoverable	<70	< EQL	U	1	ug/L	WA			
		Total dissolved solids	47000	NDD	J	1	ug/L	WA			
		Zinc, total recoverable	193	< 5000		1	ug/L	WA			
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloropropane	<5	< EQL	U	1	ug/L	WA			
		2-Chloroethyl vinyl ether	<10	< EQL	U	1	ug/L	WA			
		Benzene	<5	< EQL	U	1	ug/L	WA			
		Bromodichloromethane	<5	< EQL	U	1	ug/L	WA			
		Bromoform	<5	< EQL	U	1	ug/L	WA			
		Bromomethane (Methyl bromide)	<10	< EQL	U	1	ug/L	WA			
		Carbon tetrachloride	<5	< EQL	U	1	ug/L	WA			
		Chlorobenzene	<5	< EQL	U	1	ug/L	WA			
		Chloroethane	<10	< EQL	U	1	ug/L	WA			
		Chloroethene (Vinyl chloride)	<10	< EQL	U	1	ug/L	WA			
		Chloroform	1.53	NDD	J	1	ug/L	WA			
		Chloromethane (Methyl chloride)	<10	< EQL	U	1	ug/L	WA			
		cis-1,3-Dichloropropene	<5	< EQL	U	1	ug/L	WA			
		Dibromochloromethane	<5	< EQL	U	1	ug/L	WA			
		Dichloromethane (Methylene chloride)	4.84	NDD	J	1	ug/L	WA			
		Ethylbenzene	<5	< EQL	U	1	ug/L	WA			
		Phenols	<37	< EQL	U	1	ug/L	WA			
		Tetrachloroethylene	<5	< EQL	U	1	ug/L	WA			
		Toluene	<5	< EQL	U	1	ug/L	WA			
		Total organic carbon	2270	< 1000000		1	ug/L	WA			
		Total organic halogens	31.8	NDD	J	1	ug/L	WA			
		trans-1,2-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 1C144

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene				11	> 5		1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				.942	< EQL	U	1	pCi/L	GP
		Gross alpha				.578	NDD	J	1	pCi/L	GP
		Nonvolatile beta				1.48	NDD	J	1	pCi/L	GP
		Radium-226				1.16	NDD	J	1	pCi/L	GP
		Radium-228				-.201	< EQL	U	1	pCi/L	GP
		Strontium-90				.166	< EQL	U	1	pCi/L	GP
+		Tritium				399	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BSE 1C159**

<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>
N 73216.88 E 57146.9	33.28095 Deg N -81.6585 Deg W	125.45 - 123.0 ft msl	292.07 ft msl	4 " PVC		LAZ_UTRA

SAMPLE DATE

01/05/00

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	61.71	ft msl
pH		6.2	pH
Sp. Conductance		48	uS/cm
Water temperature		17.6	deg. C
Total Alkalinity as CaCO ₃		13	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		1	NTU
Volumes purged		-0.2	well volume
Sampling code			
Synchronous water level			ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	1	ug/L	WA			
		Arsenic, total recoverable	<40	< EQL	U	1	ug/L	WA			
		Barium, total recoverable	44.7	< 2000		1	ug/L	WA			
		Boron, total recoverable	<266	< EQL	U	1	ug/L	WA			
		Cadmium, total recoverable	<4.7	< EQL	U	1	ug/L	WA			
		Chromium, total recoverable	<1.2	< EQL	JU	1	ug/L	WA			
		Copper, total recoverable	<15	< EQL	U	1	ug/L	WA			
		Lead, total recoverable	7.2	NDD	J	1	ug/L	WA			
		Lithium, total recoverable	8.5	< 250		1	ug/L	WA			
		Mercury, total recoverable	<.7	< EQL	U	1	ug/L	WA			
		Nickel, total recoverable	<26	< EQL	U	1	ug/L	WA			
		Selenium, total recoverable	<66	< EQL	U	1	ug/L	WA			
		Silver, total recoverable	<.52	< EQL	JU	1	ug/L	WA			
		Sulfate	1310	< 400000		1	ug/L	WA			
		Tin, total recoverable	<70	< EQL	U	1	ug/L	WA			
		Total dissolved solids	66000			1	ug/L	WA			
		Zinc, total recoverable	401	< 5000		1	ug/L	WA			
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloropropane	<5	< EQL	U	1	ug/L	WA			
		2-Chloroethyl vinyl ether	<10	< EQL	U	1	ug/L	WA			
		Benzene	<5	< EQL	U	1	ug/L	WA			
		Bromodichloromethane	<5	< EQL	U	1	ug/L	WA			
		Bromoform	<5	< EQL	U	1	ug/L	WA			
		Bromomethane (Methyl bromide)	<10	< EQL	U	1	ug/L	WA			
		Carbon tetrachloride	<5	< EQL	U	1	ug/L	WA			
		Chlorobenzene	<5	< EQL	U	1	ug/L	WA			
		Chloroethane	<10	< EQL	U	1	ug/L	WA			
		Chloroethene (Vinyl chloride)	<10	< EQL	U	1	ug/L	WA			
		Chloroform	1.33	NDD	J	1	ug/L	WA			
		Chloromethane (Methyl chloride)	<10	< EQL	U	1	ug/L	WA			
		cis-1,3-Dichloropropene	<5	< EQL	U	1	ug/L	WA			
		Dibromochloromethane	<5	< EQL	U	1	ug/L	WA			
		Dichloromethane (Methylene chloride)	4.7	NDD	J	1	ug/L	WA			
		Ethylbenzene	<5	< EQL	U	1	ug/L	WA			
		Phenols	<37	< EQL	U	1	ug/L	WA			
		Tetrachloroethylene	<5	< EQL	U	1	ug/L	WA			
		Toluene	<5	< EQL	U	1	ug/L	WA			
		Total organic carbon	3970	< 1000000		1	ug/L	WA			
		Total organic halogens	41.9	NDD	J	1	ug/L	WA			
		trans-1,2-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 1C159

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene				8.27	> 5		1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-1.31	< EQL	U	1	pCi/L	GP
		Gross alpha				.526	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				1.14	< EQL	U	1	pCi/L	GP
		Radium-226				.456	< EQL	U	1	pCi/L	GP
		Radium-228				.262	< EQL	U	1	pCi/L	GP
		Strontium-90				.178	< EQL	U	1	pCi/L	GP
+		Tritium				364	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 1D059

<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>
N 73212.31 E 57156.19	33.28095 Deg N -81.6585 Deg W	226.28 - 223.8 ft msl	286.52 ft msl	4 " PVC	V	UAZ_UTRA

SAMPLE DATE 01/06/00

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	49.04	ft msl
pH			pH
Sp. Conductance			uS/cm
Water temperature			deg. C
Total Alkalinity as CaCO3			mg/L
Phenolphthalein Alkalinity as CaCO3			mg/L
Turbidity			NTU
Volumes purged		0	well volume
Sampling code		D	
Synchronous water level			ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
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Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 1D071

<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>
N 73212.31 E 57156.19	33.28095 Deg N -81.6585 Deg W	213.74 - 211.2 ft msl	286.52 ft msl	4 " PVC		UAZ_UTRA

SAMPLE DATE 01/06/00

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	<i>Not Available</i>	ft msl
pH			pH
Sp. Conductance			uS/cm
Water temperature			deg. C
Total Alkalinity as CaCO3			mg/L
Phenolphthalein Alkalinity as CaCO3			mg/L
Turbidity			NTU
Volumes purged			well volume
Sampling code		D	
Synchronous water level			ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
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Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 1D081

<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>
N 73212.31 E 57156.19	33.28095 Deg N -81.6585 Deg W	203.72 - 201.2 ft msl	286.52 ft msl	4 " PVC		UAZ_UTRA

SAMPLE DATE 01/06/00

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	<i>Not Available</i>	ft msl
pH			pH
Sp. Conductance			uS/cm
Water temperature			deg. C
Total Alkalinity as CaCO3			mg/L
Phenolphthaleln Alkalinity as CaCO3			mg/L
Turbidity			NTU
Volumes purged			well volume
Sampling code		D	
Synchronous water level			ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
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Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 1D098

<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>
N 73212.31 E 57156.19	33.28095 Deg N -81.6585 Deg W	186.16 - 183.7 ft msl	286.52 ft msl	4 " PVC		UAZ_UTRA

SAMPLE DATE 01/06/00

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	51.82	ft msl
pH		5.7	pH
Sp. Conductance		38	uS/cm
Water temperature		17.9	deg. C
Total Alkalinity as CaCO3		4	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		.7	NTU
Volumes purged		-.01	well volume
Sampling code			
Synchronous water level			ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				5.3	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<7	< EQL	U	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				.31	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				375	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				22000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				1.5	NDD	J	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				2.53	NDD	J	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				4.13	NDD	J	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				798	NDD	J	1	ug/L	WA
		Total organic halogens				28.1	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 1D098

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene				6.18	> 5		1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
+		Carbon-14				3460	> 2000		1	pCi/L	GP
		Gross alpha				2.78	NDD	J	1	pCi/L	GP
		Nonvolatile beta				2.56	NDD	J	1	pCi/L	GP
		Radium-226				.414	< EQL	U	1	pCi/L	GP
		Radium-228				.139	< EQL	U	1	pCi/L	GP
		Strontium-90				-.152	< EQL	U	1	pCi/L	GP
+		Tritium				3260	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 2C108

<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>
N 73296.52 E 56895.79	33.28072 Deg N -81.6594 Deg W	171.94 - 169.4 ft msl	282.38 ft msl	4 " PVC	V	LAZ_UTRA

SAMPLE DATE 12/28/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	54.46	ft msl
pH		5.4	pH
Sp. Conductance		24	uS/cm
Water temperature		16.4	deg. C
Total Alkalinity as CaCO3		1	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		10.9	NTU
Volumes purged		~.01	well volume
Sampling code			
Synchronous water level			ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				13	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<2.4	< EQL	U	1	ug/L	WA
		Copper, total recoverable				1.8	NDD	J	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				.97	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				480	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				11000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				18.4	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				1.02	NDD	J	1	ug/L	WA
		Chloromethane (Methyl chloride)				2.87	NDD	J	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				4.08	NDD	J	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				1550	< 1000000		1	ug/L	WA
		Total organic halogens				34.5	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 2C108

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene				8.98	> 5		1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-2.84	< EQL	U	1	pCi/L	GP
		Gross alpha				1.76	NDD	J	1	pCi/L	GP
		Nonvolatile beta				1.94	< EQL	U	1	pCi/L	GP
		Radium-226				1.96	< EQL	U	1	pCi/L	GP
		Radium-228				.144	< EQL	U	1	pCi/L	GP
		Strontium-90				-.142	< EQL	U	1	pCi/L	GP
+		Tritium				409	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 2C127

<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>
N 73296.52 E 56895.79	33.28072 Deg N -81.6594 Deg W	153.38 - 150.9 ft msl	282.38 ft msl	4 " PVC		LAZ_UTRA

SAMPLE DATE 12/28/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	Not Available	ft msl
pH		6.6	pH
Sp. Conductance		298	uS/cm
Water temperature		15.6	deg. C
Total Alkalinity as CaCO3		40	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		231	NTU
Volumes purged			well volume
Sampling code			
Synchronous water level			ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				5.8	NDD	J	1	ug/L	WA
		Barium, total recoverable				91.1	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<3.9	< EQL	U	1	ug/L	WA
		Copper, total recoverable				3.9	NDD	J	1	ug/L	WA
		Lead, total recoverable				6.4	NDD	J	1	ug/L	WA
		Lithium, total recoverable				6.7	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				4.2	NDD	J	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				68200	< 400000		20	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				194000			1	ug/L	WA
		Zinc, total recoverable				27.6	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				997	NDD	J	1	ug/L	WA
		Total organic halogens				20.6	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 2C127

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				3.17	< EQL	U	1	pCi/L	GP
		Gross alpha				6.38	NDD	J	1	pCi/L	GP
		Nonvolatile beta				6.15	< 50		1	pCi/L	GP
+		Radium-226				5.27	> 5		1	pCi/L	GP
		Radium-228				.326	< EQL	U	1	pCi/L	GP
		Strontium-90				.134	< EQL	U	1	pCi/L	GP
		Tritium				.837	NDD	J	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 2C139

<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>
N 73296.52 E 56895.79	33.28072 Deg N -81.6594 Deg W	140.84 - 138.3 ft msl	282.38 ft msl	4 " PVC		LAZ_UTRA

SAMPLE DATE 12/28/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	Not Available	ft msl
pH		7.1	pH
Sp. Conductance		618	uS/cm
Water temperature		17.2	deg. C
Total Alkalinity as CaCO3		85	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		3.8	NTU
Volumes purged			well volume
Sampling code			
Synchronous water level			ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				43.3	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<2.1	< EQL	U	1	ug/L	WA
		Copper, total recoverable				3	NDD	J	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				11.4	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				155000	< 400000		50	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				322000			1	ug/L	WA
		Zinc, total recoverable				9.9	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	JU	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	JU	1	ug/L	WA
		Benzene				<5	< EQL	JU	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	JU	1	ug/L	WA
		Bromoform				<5	< EQL	JU	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	JU	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	JU	1	ug/L	WA
		Chlorobenzene				<5	< EQL	JU	1	ug/L	WA
		Chloroethane				<10	< EQL	JU	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	JU	1	ug/L	WA
		Chloroform				<5	< EQL	JU	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	JU	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	JU	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	JU	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	JU	1	ug/L	WA
		Ethylbenzene				<5	< EQL	JU	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	JU	1	ug/L	WA
		Toluene				<5	< EQL	JU	1	ug/L	WA
		Total organic carbon				2420	< 1000000		1	ug/L	WA
		Total organic halogens				27.3	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	JU	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 2C139

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	JU	1	ug/L	WA
		Trichloroethylene				<5	< EQL	JU	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	JU	1	ug/L	WA
Radionuclides											
		Carbon-14				-.784	< EQL	U	1	pCi/L	GP
		Gross alpha				6.13	NDD	J	1	pCi/L	GP
		Nonvolatile beta				4.59	NDD	J	1	pCi/L	GP
		Radium-226				1.01	< EQL	U	1	pCi/L	GP
		Radium-228				.393	< EQL	U	1	pCi/L	GP
		Strontium-90				-.208	< EQL	U	1	pCi/L	GP
		Tritium				1.99	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 2C154

<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>
N 73296.52 E 56895.79	33.28072 Deg N -81.6594 Deg W	125.8 - 123.3 ft msl	282.38 ft msl	4 " PVC		LAZ_UTRA

SAMPLE DATE 12/28/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	54.91	ft msl
pH		7.6	pH
Sp. Conductance		513	uS/cm
Water temperature		17.9	deg. C
Total Alkalinity as CaCO3		102	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		12.6	NTU
Volumes purged		-.02	well volume
Sampling code			
Synchronous water level			ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				4.6	NDD	J	1	ug/L	WA
		Barium, total recoverable				36.9	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<1.1	< EQL	U	1	ug/L	WA
		Copper, total recoverable				1.9	NDD	J	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				5.7	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				70200	< 400000		20	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				272000			1	ug/L	WA
		Zinc, total recoverable				15.1	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<4	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				4150	< 1000000		1	ug/L	WA
		Total organic halogens				25	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 2C154

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				2.8	< EQL	U	1	pCi/L	GP
		Gross alpha				15.2	> 15	J	1	pCi/L	GP
		Nonvolatile beta				6.25	NDD	J	1	pCi/L	GP
		Radium-226				.549	< EQL	U	1	pCi/L	GP
		Radium-228				.536	< EQL	U	1	pCi/L	GP
		Strontium-90				-.111	< EQL	U	1	pCi/L	GP
		Tritium				1.37	NDD	J	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 2D055

<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>
N 73286.05 E 56898.12	33.28070 Deg N -81.6593 Deg W	226.24 - 223.7 ft msl	286.48 ft msl	4 " PVC		UAZ_UTRA

SAMPLE DATE 12/29/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	50.26	ft msl
pH			pH
Sp. Conductance			uS/cm
Water temperature			deg. C
Total Alkalinity as CaCO3			mg/L
Phenolphthalein Alkalinity as CaCO3			mg/L
Turbidity			NTU
Volumes purged			well volume
Sampling code		D	
Synchronous water level			ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
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Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 2D067

<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>
N 73286.05 E 56898.12	33.28070 Deg N -81.6593 Deg W	213.7 - 211.2 ft msl	286.48 ft msl	4 " PVC		UAZ_UTRA

SAMPLE DATE 12/29/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	<i>Not Available</i>	ft msl
pH		5.9	pH
Sp. Conductance		109	uS/cm
Water temperature		18.2	deg. C
Total Alkalinity as CaCO3			mg/L
Phenolphthalein Alkalinity as CaCO3			mg/L
Turbidity		1.3	NTU
Volumes purged			well volume
Sampling code		LN	
Synchronous water level			ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
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Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 2D077

<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>
N 73286.05 E 56898.12	33.28070 Deg N -81.6593 Deg W	203.68 - 201.2 ft msl	286.48 ft msl	4 " PVC		UAZ_UTRA

SAMPLE DATE 12/29/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	<i>Not Available</i>	ft msl
pH			pH
Sp. Conductance			uS/cm
Water temperature			deg. C
Total Alkalinity as CaCO3			mg/L
Phenolphthalein Alkalinity as CaCO3			mg/L
Turbidity			NTU
Volumes purged			well volume
Sampling code		LN	
Synchronous water level			ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
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Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 2D094

<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>
N 73286.05 E 56898.12	33.28070 Deg N -81.6593 Deg W	186.12 - 183.6 ft msl	286.48 ft msl	4 " PVC		UAZ_UTRA

SAMPLE DATE 12/29/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	55.6	ft msl
pH		5	pH
Sp. Conductance		48	uS/cm
Water temperature		18.3	deg. C
Total Alkalinity as CaCO3		0	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		.7	NTU
Volumes purged		-.01	well volume
Sampling code			
Synchronous water level			ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				16.5	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<7	< EQL	U	1	ug/L	WA
		Copper, total recoverable				2.6	NDD	J	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				.66	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				3300	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				25000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				<53	< EQL	U	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				704	NDD	J	1	ug/L	WA
		Total organic halogens				33.5	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 2D094

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				1.3	NDD	J	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				13	NDD	J	1	pCi/L	GP
		Gross alpha				1.45	NDD	J	1	pCi/L	GP
		Nonvolatile beta				1.9	< EQL	U	1	pCi/L	GP
		Radium-226				1.6	NDD	J	1	pCi/L	GP
		Radium-228				.642	< EQL	U	1	pCi/L	GP
		Strontium-90				-.0651	< EQL	JU	1	pCi/L	GP
+		Tritium				626	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 3C115

<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>
N 72693.33 E 56980.01	33.27952 Deg N -81.6580 Deg W	173.29 - 170.8 ft msl	287.07 ft msl	4 " PVC	V	LAZ_UTRA

SAMPLE DATE 12/30/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	58.68	ft msl
pH		6.9	pH
Sp. Conductance		1021	uS/cm
Water temperature		15.9	deg. C
Total Alkalinity as CaCO ₃			mg/L
Phenolphthalein Alkalinity as CaCO ₃			mg/L
Turbidity		1000	NTU
Volumes purged		-.01	well volume
Sampling code		W	
Synchronous water level			ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
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Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BSE 3C134**

<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>
N 72693.33 E 56980.01	33.27952 Deg N -81.6580 Deg W	153.23 - 150.7 ft msl	287.07 ft msl	4" PVC		LAZ_UTRA

SAMPLE DATE 12/30/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	Not Available	ft msl
pH		6.2	pH
Sp. Conductance		261	uS/cm
Water temperature		15.6	deg. C
Total Alkalinity as CaCO ₃		41	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		192	NTU
Volumes purged			well volume
Sampling code			
Synchronous water level			ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<27	< EQL	U	1	ug/L	WA			
		Arsenic, total recoverable	<4	< EQL	JU	1	ug/L	WA			
		Barium, total recoverable	64.4	< 2000		1	ug/L	WA			
		Boron, total recoverable	44.1	NDD	J	1	ug/L	WA			
		Cadmium, total recoverable	<4.7	< EQL	U	1	ug/L	WA			
		Chromium, total recoverable	<1.9	< EQL	U	1	ug/L	WA			
		Copper, total recoverable	2.4	NDD	J	1	ug/L	WA			
		Lead, total recoverable	7.6	NDD	J	1	ug/L	WA			
		Lithium, total recoverable	6.2	< 250		1	ug/L	WA			
		Mercury, total recoverable	<.7	< EQL	U	1	ug/L	WA			
		Nickel, total recoverable	3.5	NDD	J	1	ug/L	WA			
		Selenium, total recoverable	<66	< EQL	U	1	ug/L	WA			
		Silver, total recoverable	<5	< EQL	U	1	ug/L	WA			
		Sulfate	49900	< 400000		10	ug/L	WA			
		Tin, total recoverable	<70	< EQL	U	1	ug/L	WA			
		Total dissolved solids	144000			1	ug/L	WA			
		Zinc, total recoverable	30.8	NDD	J	1	ug/L	WA			
Organics											
		1,1,1-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2,2-Tetrachloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1,2-Trichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,1-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloroethane	<5	< EQL	U	1	ug/L	WA			
		1,2-Dichloropropane	<5	< EQL	U	1	ug/L	WA			
		2-Chloroethyl vinyl ether	<10	< EQL	U	1	ug/L	WA			
		Benzene	<5	< EQL	U	1	ug/L	WA			
		Bromodichloromethane	<5	< EQL	U	1	ug/L	WA			
		Bromoform	<5	< EQL	U	1	ug/L	WA			
		Bromomethane (Methyl bromide)	<10	< EQL	U	1	ug/L	WA			
		Carbon tetrachloride	<5	< EQL	U	1	ug/L	WA			
		Chlorobenzene	<5	< EQL	U	1	ug/L	WA			
		Chloroethane	<10	< EQL	U	1	ug/L	WA			
		Chloroethene (Vinyl chloride)	<10	< EQL	U	1	ug/L	WA			
		Chloroform	<5	< EQL	U	1	ug/L	WA			
		Chloromethane (Methyl chloride)	<10	< EQL	U	1	ug/L	WA			
		cis-1,3-Dichloropropene	<5	< EQL	U	1	ug/L	WA			
		Dibromochloromethane	<5	< EQL	U	1	ug/L	WA			
		Dichloromethane (Methylene chloride)	<5	< EQL	U	1	ug/L	WA			
		Ethylbenzene	<5	< EQL	U	1	ug/L	WA			
		Phenols	<37	< EQL	U	1	ug/L	WA			
		Tetrachloroethylene	<5	< EQL	U	1	ug/L	WA			
		Toluene	<5	< EQL	U	1	ug/L	WA			
		Total organic carbon	1860	< 1000000		1	ug/L	WA			
		Total organic halogens	18	NDD	J	1	ug/L	WA			
		trans-1,2-Dichloroethylene	<5	< EQL	U	1	ug/L	WA			

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 3C134

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				.943	NDD	J	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				25.3	< 2000		1	pCi/L	GP
		Gross alpha				15.8	> 15	J	1	pCi/L	GP
		Nonvolatile beta				8.75	< 50		1	pCi/L	GP
		Radium-226				.418	< EQL	U	1	pCi/L	GP
		Radium-228				1.04	NDD	J	1	pCi/L	GP
		Strontium-90				-.608	< EQL	JU	1	pCi/L	GP
		Tritium				9.26	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 3C146

<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>
N 72693.33 E 56980.01	33.27952 Deg N -81.6580 Deg W	140.67 - 138.2 ft msl	287.07 ft msl	4 " PVC		LAZ_UTRA

SAMPLE DATE 12/30/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	Not Available	ft msl
pH		5.5	pH
Sp. Conductance		60	uS/cm
Water temperature		17.1	deg. C
Total Alkalinity as CaCO3		4	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		12.9	NTU
Volumes purged			well volume
Sampling code			
Synchronous water level			ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				18.3	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<2.6	< EQL	U	1	ug/L	WA
		Copper, total recoverable				2.1	NDD	J	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				1.7	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				7080	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				54000			1	ug/L	WA
		Zinc, total recoverable				12.2	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<4.1	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				6.89	NDD	J	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				1140	< 1000000		1	ug/L	WA
		Total organic halogens				18	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 3C146

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-.97	< EQL	U	1	pCi/L	GP
		Gross alpha				6.56	NDD	J	1	pCi/L	GP
		Nonvolatile beta				3.62	NDD	J	1	pCi/L	GP
		Radium-226				.971	< EQL	U	1	pCi/L	GP
		Radium-228				.105	< EQL	U	1	pCi/L	GP
		Strontium-90				-.351	< EQL	JU	1	pCi/L	GP
		Tritium				15.1	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BSE 3C161**

<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>
N 72693.33 E 56980.01	33.27952 Deg N -81.6580 Deg W	125.61 - 123.1 ft msl	287.07 ft msl	4 " PVC		LAZ_UTRA

SAMPLE DATE	12/30/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	64.79	ft msl
pH		7.4	pH
Sp. Conductance		612	uS/cm
Water temperature		19.3	deg. C
Total Alkalinity as CaCO ₃		215	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		162	NTU
Volumes purged		-.03	well volume
Sampling code			
Synchronous water level			ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				15.9	NDD	J	1	ug/L	WA
		Barium, total recoverable				49.9	< 2000		1	ug/L	WA
		Boron, total recoverable				59.6	NDD	J	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<.78	< EQL	U	1	ug/L	WA
		Copper, total recoverable				2.3	NDD	J	1	ug/L	WA
		Lead, total recoverable				6.7	NDD	J	1	ug/L	WA
		Lithium, total recoverable				11.1	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				59200	< 400000		20	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				338000			1	ug/L	WA
		Zinc, total recoverable				48.2	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				1480	< 1000000		1	ug/L	WA
		Total organic halogens				21.1	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 3C161

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-3.09	< EQL	U	1	pCi/L	GP
		Gross alpha				11.9	NDD	J	1	pCi/L	GP
		Nonvolatile beta				4.15	NDD	J	1	pCi/L	GP
		Radium-226				.168	< EQL	U	1	pCi/L	GP
		Radium-228				-.181	< EQL	U	1	pCi/L	GP
		Strontium-90				-.255	< EQL	JU	1	pCi/L	GP
		Tritium				.461	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 3D065

<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>
N 72700.21 E 56972.78	33.27952 Deg N -81.6580 Deg W	222.37 - 219.9 ft msl	287.09 ft msl	4 " PVC	V	UAZ_UTRA

SAMPLE DATE 01/03/00

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	56.64	ft msl
pH			pH
Sp. Conductance			uS/cm
Water temperature			deg. C
Total Alkalinity as CaCO3			mg/L
Phenolphthalein Alkalinity as CaCO3			mg/L
Turbidity			NTU
Volumes purged		0	well volume
Sampling code		D	
Synchronous water level			ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
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Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 3D072

<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>
N 72700.21 E 56972.78	33.27952 Deg N -81.6580 Deg W	214.85 - 212.4 ft msl	287.09 ft msl	4 " PVC		UAZ_UTRA

SAMPLE DATE 01/03/00

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	<i>Not Available</i>	ft msl
pH			pH
Sp. Conductance			uS/cm
Water temperature			deg. C
Total Alkalinity as CaCO3			mg/L
Phenolphthalein Alkalinity as CaCO3			mg/L
Turbidity			NTU
Volumes purged			well volume
Sampling code		D	
Synchronous water level			ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
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Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BSE 3D082**

<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>
N 72700.21 E 56972.78	33.27952 Deg N -81.6580 Deg W	204.83 - 202.3 ft msl	287.09 ft msl	4 " PVC		UAZ_UTRA

<u>SAMPLE DATE</u>	
01/03/00	

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	<i>Not Available</i>	ft msl
pH		6	pH
Sp. Conductance		50	uS/cm
Water temperature		19.5	deg. C
Total Alkalinity as CaCO ₃		8	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		19.6	NTU
Volumes purged			well volume
Sampling code			
Synchronous water level			ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				8.7	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<.92	< EQL	JU	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				.99	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				3210	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				299000			1	ug/L	WA
		Zinc, total recoverable				18.2	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				586	NDD	J	1	ug/L	WA
		Total organic halogens				16.5	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 3D082

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-3.56	< EQL	U	1	pCi/L	GP
		Gross alpha				9.59	NDD	J	1	pCi/L	GP
		Nonvolatile beta				4.61	NDD	J	1	pCi/L	GP
		Radium-226				.852	< EQL	U	1	pCi/L	GP
		Radium-228				.227	< EQL	U	1	pCi/L	GP
		Strontium-90				-.548	< EQL	JU	1	pCi/L	GP
+		Tritium				89.9	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL BSE 3D095**

<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>
N 72700.21 E 56972.78	33.27952 Deg N -81.6580 Deg W	192.29 - 189.8 ft msl	287.09 ft msl	4 " PVC		UAZ_UTRA

<u>SAMPLE DATE</u>	01/03/00
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	56.09	ft msl
pH		4.8	pH
Sp. Conductance		115	uS/cm
Water temperature		21.2	deg. C
Total Alkalinity as CaCO ₃		0	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.9	NTU
Volumes purged		-.01	well volume
Sampling code			
Synchronous water level			ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<4.1	< EQL	JU	1	ug/L	WA
		Barium, total recoverable				11.4	< 2000		1	ug/L	WA
		Boron, total recoverable				31	NDD	J	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				<1.1	< EQL	JU	1	ug/L	WA
		Copper, total recoverable				<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable				<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable				.5	NDD	J	1	ug/L	WA
		Mercury, total recoverable				1.22	< 2		1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<.51	< EQL	JU	1	ug/L	WA
		Sulfate				480	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				40000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				7.3	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				1080	< 1000000		1	ug/L	WA
		Total organic halogens				20.4	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL BSE 3D095

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				34.7	< 2000		1	pCi/L	GP
		Gross alpha				2.37	NDD	J	1	pCi/L	GP
		Nonvolatile beta				3.3	NDD	J	1	pCi/L	GP
		Radium-226				1.15	NDD	J	1	pCi/L	GP
		Radium-228				.645	< EQL	U	1	pCi/L	GP
		Strontium-90				-.0871	< EQL	JU	1	pCi/L	GP
+		Tritium				1910	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL HMD 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>
N 78731.7 E 56973.3	33.29286 Deg N -81.6697 Deg W	219.7 - 199.7 ft msl	264.5 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE

11/30/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	206.53	ft msl
pH		6.2	pH
Sp. Conductance		67	uS/cm
Water temperature		17.3	deg. C
Total Alkalinity as CaCO ₃		20	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		36	NTU
Volumes purged		0	well volume
Sampling code		NX	
Synchronous water level	207.5 (06/25/99)	206.4 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				19.8	< 2000		1	ug/L	WA
		Boron, total recoverable				35.6	NDD	J	1	ug/L	WA
		Cadmium, total recoverable				1.3	NDD	J	1	ug/L	WA
		Chromium, total recoverable				18.5	< 100		1	ug/L	WA
		Copper, total recoverable				60	< 1000		1	ug/L	WA
		+ Lead, total recoverable				241	> 50		1	ug/L	WA
		Lithium, total recoverable				1.8	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				7.5	NDD	J	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<.51	< EQL	U	1	ug/L	WA
		Sulfate				14900	< 400000		2	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				75000			1	ug/L	WA
		Zinc, total recoverable				219	< 5000		1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5.8	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				1440	< 1000000		1	ug/L	WA
		Total organic halogens				37.3	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL HMD 1D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-5.3	< EQL	U	1	pCi/L	GP
		Gross alpha				1.57	NDD	J	1	pCi/L	GP
		Nonvolatile beta				1.8	NDD	J	1	pCi/L	GP
		Radium-226				.256	< EQL	U	1	pCi/L	GP
		Radium-228				.718	< EQL	U	1	pCi/L	GP
		Strontium-90				.345	< EQL	U	1	pCi/L	GP
+		Tritium				24.4	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL HMD 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>
N 79665.8 E 57269.7	33.29541 Deg N -81.6707 Deg W	210.8 - 190.8 ft msl	261.1 ft msl	4" PVC	S	LAZ_UTRA

SAMPLE DATE

11/21/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	<i>Not Available</i>	201.26	ft msl
pH		6.6	pH
Sp. Conductance		55	uS/cm
Water temperature		20	deg. C
Total Alkalinity as CaCO ₃		9	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		1.3	NTU
Volumes purged		4.35	well volume
Sampling code			
Synchronous water level	198.8 (06/25/99)	198.1 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				4	< 2000		1	ug/L	WA
		Boron, total recoverable				48.6	NDD	J	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				1.9	NDD	J	1	ug/L	WA
		Copper, total recoverable				7.7	NDD	J	1	ug/L	WA
		Lead, total recoverable				8.8	NDD	J	1	ug/L	WA
		Lithium, total recoverable				.5	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				9920	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				25000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				10.4	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				2.6	NDD	J	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<7.39	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				247	NDD	J	1	ug/L	WA
		Total organic halogens				23.7	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL HMD 2D

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				28.8	< 2000		1	pCi/L	GP
		Gross alpha				.525	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				.94	< EQL	U	1	pCi/L	GP
		Radium-226				.752	< EQL	U	1	pCi/L	GP
		Radium-228				~.19	< EQL	U	1	pCi/L	GP
		Strontium-90				.439	< EQL	U	1	pCi/L	GP
		Tritium				11.3	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL HMD 3D**

<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>
N 79578.7 E 57745.2	33.29600 Deg N -81.6693 Deg W	207.7 - 187.7 ft msl	259.5 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE

11/21/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	197.77	ft msl
pH		7.4	pH
Sp. Conductance		61	uS/cm
Water temperature		19.1	deg. C
Total Alkalinity as CaCO3		1	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		5.6	NTU
Volumes purged		6.27	well volume
Sampling code			
Synchronous water level	198.2 (06/25/99)	197.7 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<4.1	< EQL	U	1	ug/L	WA
		Barium, total recoverable				19.4	< 2000		1	ug/L	WA
		Boron, total recoverable				59.8	NDD	J	1	ug/L	WA
		Cadmium, total recoverable				<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable				7.6	< 100		1	ug/L	WA
		Copper, total recoverable				14.1	NDD	J	1	ug/L	WA
		Lead, total recoverable				6.4	NDD	J	1	ug/L	WA
		Lithium, total recoverable				.73	NDD	J	1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				15200	< 400000		2	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				6000	NDD	J	1	ug/L	WA
		Zinc, total recoverable				10.4	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<6.03	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				309	NDD	J	1	ug/L	WA
		Total organic halogens				23.5	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL HMD 3D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-2.15	< EQL	U	1	pCi/L	GP
		Gross alpha				.607	< EQL	U	1	pCi/L	GP
		Nonvolatile beta				1.48	NDD	J	1	pCi/L	GP
		Radium-226				.579	< EQL	U	1	pCi/L	GP
		Radium-228				.493	< EQL	U	1	pCi/L	GP
		Strontium-90				.472	< EQL	U	1	pCi/L	GP
+		Tritium				55.5	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL HMD 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>
N 79160.4 E 58188.5	33.29579 Deg N -81.6673 Deg W	208.9 - 188.9 ft msl	250.9 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE 11/30/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	193.15	ft msl
pH		6.6	pH
Sp. Conductance		25	uS/cm
Water temperature		12.1	deg. C
Total Alkalinity as CaCO3		5	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		10.5	NTU
Volumes purged		0	well volume
Sampling code		NX	
Synchronous water level	198.8 (06/25/99)	198.2 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable				<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable				<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable				34.3	< 2000		1	ug/L	WA
		Boron, total recoverable				<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable				.66	NDD	J	1	ug/L	WA
		Chromium, total recoverable				1.6	NDD	J	1	ug/L	WA
		Copper, total recoverable				73.7	< 1000		1	ug/L	WA
		Lead, total recoverable				49.2	< 50		1	ug/L	WA
		Lithium, total recoverable				5.4	< 250		1	ug/L	WA
		Mercury, total recoverable				<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable				5.5	NDD	J	1	ug/L	WA
		Selenium, total recoverable				<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable				<5	< EQL	U	1	ug/L	WA
		Sulfate				1190	< 400000		1	ug/L	WA
		Tin, total recoverable				<70	< EQL	U	1	ug/L	WA
		Total dissolved solids				281000			1	ug/L	WA
		Zinc, total recoverable				299	< 5000		1	ug/L	WA
Organics											
		1,1,1-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane				<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene				<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane				<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane				<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether				<10	< EQL	U	1	ug/L	WA
		Benzene				<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane				<5	< EQL	U	1	ug/L	WA
		Bromoform				<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)				<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride				<5	< EQL	U	1	ug/L	WA
		Chlorobenzene				<5	< EQL	U	1	ug/L	WA
		Chloroethane				<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)				<10	< EQL	U	1	ug/L	WA
		Chloroform				<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)				<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane				<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)				<5.65	< EQL	U	1	ug/L	WA
		Ethylbenzene				<5	< EQL	U	1	ug/L	WA
		Phenols				<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene				<5	< EQL	U	1	ug/L	WA
		Toluene				<5	< EQL	U	1	ug/L	WA
		Total organic carbon				<412	< EQL	U	1	ug/L	WA
		Total organic halogens				21.1	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene				<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4A. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL HMD 4D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		trans-1,3-Dichloropropene				<5	< EQL	U	1	ug/L	WA
		Trichloroethylene				<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane				<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14				-1.26	< EQL	U	1	pCi/L	GP
		Gross alpha				3.99	< 15		1	pCi/L	GP
		Nonvolatile beta				3.7	< 50		1	pCi/L	GP
		Radium-226				.63	< EQL	U	1	pCi/L	GP
		Radium-228				.725	< EQL	U	1	pCi/L	GP
		Strontium-90				.629	< EQL	U	1	pCi/L	GP
+		Tritium				21.7	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors and Laboratory Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

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Table D-4B. Groundwater Monitoring Results for Assessment Wells, MWMF**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>
N 73119 E 53505.3	33.27479 Deg N -81.6679 Deg W	171.6 - 161.6 ft msl	204 ft msl	4 " PVC	S	LAZ_UTRA

<u>SAMPLE DATE</u>	01/26/96	01/28/97	01/22/98	01/19/99
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FIELD DATA

<u>Parameter</u>	<u>1Q96</u>	<u>1Q97</u>	<u>1Q98</u>	<u>1Q99</u>	<u>Unit</u>
Water Elevation	198.85	193.06	199.3	198.75	ft msl
pH	5	5	5.4	5.4	pH
Sp. Conductance	22	24	30	25	uS/cm
Water temperature	20	24	19	17.6	deg. C
Total Alkalinity as CaCO ₃	8	2	5	1	mg/L
Phenolphthalein Alkalinity as CaCO ₃					mg/L
Turbidity	1.6	1.9	.7	1.6	NTU
Volumes purged	3.79	2.88	5.28	4.70	well volume
Sampling code			N		
Synchronous water level	199.4 (03/18/96)	198.9 (03/20/97)	199.5 (03/18/98)	198.5 (03/22/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>1Q96</u>	<u>1Q97</u>	<u>1Q98</u>	<u>1Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	2.02	<15	<10	<2	< EQL	U	1	ug/L	GE
		Arsenic, total recoverable	<40	<10	<5	<3	< EQL	U	1	ug/L	GE
		Barium, total recoverable	2.29	<20	1.9	1.75	NDD	J	1	ug/L	GE
		Boron, total recoverable									
		Cadmium, total recoverable	<4.7	<10	<5	<1	< EQL	U	1	ug/L	GE
		Chromium, total recoverable	3.4	<20	4.3	2.07	NDD	J	1	ug/L	GE
		Copper, total recoverable	5.63	4.33	3.84	2.82	< 1000		1	ug/L	GE
		Lead, total recoverable	1.52	<15	3.12	.694	NDD	J	1	ug/L	GE
		Lithium, total recoverable									
		Mercury, total recoverable	<.5	<1	<2	<2	< EQL	U	1	ug/L	GE
		Nickel, total recoverable	<26	<20	3.31	<2	< EQL	U	1	ug/L	GE
		Selenium, total recoverable	1.51	<10	<5	<5	< EQL	U	1	ug/L	GE
		Silver, total recoverable	<5	<10	<5	<1	< EQL	U	1	ug/L	GE
		Sulfate									
		Tin, total recoverable	<70	<100	<10	<5	< EQL	JU	1	ug/L	GE
		Total dissolved solids									
		Zinc, total recoverable	<17.9	4.26	<12.3	8.86	NDD	J	1	ug/L	GE
Organics											
		1,1,1-Trichloroethane	<5	<2	<1	<1	< EQL	JU	1	ug/L	GE
		1,1,2,2-Tetrachloroethane	<5	<2	<1	<1	< EQL	JU	1	ug/L	GE
		1,1,2-Trichloroethane	<5	<2	<1	<1	< EQL	JU	1	ug/L	GE
		1,1-Dichloroethane	<5	<2	<1	<1	< EQL	JU	1	ug/L	GE
		1,1-Dichloroethylene	<5	<2	<1	<1	< EQL	JU	1	ug/L	GE
		1,2-Dichloroethane	<5	<2	<1	<1	< EQL	JU	1	ug/L	GE
		1,2-Dichloropropane	<5	<2	<1	<1	< EQL	JU	1	ug/L	GE
		2-Chloroethyl vinyl ether	<10	<5	<5	<5	< EQL	JU	1	ug/L	GE
		Benzene	<5	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Bromodichloromethane	<5	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Bromoform	<5	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Bromomethane (Methyl bromide)	<10	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Carbon tetrachloride	<5	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Chlorobenzene	<5	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Chloroethane	<10	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Chloroethene (Vinyl chloride)	<10	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Chloroform	<5	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Chloromethane (Methyl chloride)	<10	<2	<.54	<1	< EQL	JU	1	ug/L	GE
		cis-1,3-Dichloropropene	<5	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Dibromochloromethane	<5	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Dichloromethane (Methylene chloride)	<3.94	<5	<1.28	<5	< EQL	JU	1	ug/L	GE
		Ethylbenzene	<5	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Phenols									
		Tetrachloroethylene	<5	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Toluene	<5	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Total organic carbon									
		Total organic halogens									
		trans-1,2-Dichloroethylene	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		trans-1,3-Dichloropropene	<5	<2	<1	<1	< EQL	JU	1	ug/L	GE

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for First Quarter 1999 data only.

* = exceeded holding time for First Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for First Quarter 1999.

Table D-4B. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL HSB142C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>1Q96</u>	<u>1Q97</u>	<u>1Q98</u>	<u>1Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		Trichloroethylene	<5	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Trichlorofluoromethane	<5	<2	<1	<5	< EQL	JU	1	ug/L	GE
Radionuclides											
		Carbon-14	2.53	3.32	3.53	-2.93	< EQL	U	1	pCi/L	GP
		Gross alpha	.66	.484	.571	.224	< EQL	U	1	pCi/L	GP
		Nonvolatile beta	2.47	.764	.756	.619	< EQL	U	1	pCi/L	GP
		Radium-226	.938	.314	.212	.557	< EQL	U	1	pCi/L	GP
		Radium-228	3.67	1.44	2.42	-.0267	< EQL	U	1	pCi/L	GP
		Strontium-90	2.79	-.133	.168	.0663	< EQL	U	1	pCi/L	GP
		Tritium	3.74	3.67	5.62	8.05	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in Italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for First Quarter 1999 data only.

* = exceeded holding time for First Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for First Quarter 1999.

Table D-4B. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL HSB142D**

<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>
N 73113 E 53493.1	33.27476 Deg N -81.6680 Deg W	199.7 - 189.7 ft msl	204.2 ft msl	4 " PVC	S	UAZ_UTRA

<u>SAMPLE DATE</u>	01/13/95	01/24/97	01/22/98	01/19/99
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FIELD DATA

<u>Parameter</u>	<u>1Q95</u>	<u>1Q97</u>	<u>1Q98</u>	<u>1Q99</u>	<u>Unit</u>
Water Elevation	199.57	198.6	199.85	198.93	ft msl
pH	5.3	5.8	5.2	5.1	pH
Sp. Conductance	49	120	72	41	uS/cm
Water temperature	15.1	21	19	15.6	deg. C
Total Alkalinity as CaCO ₃	0	1	4	1	mg/L
Phenolphthalein Alkalinity as CaCO ₃					mg/L
Turbidity	44.1	100	13.1	14.6	NTU
Volumes purged	.473	0	.153	2.87	well volume
Sampling code	X	NX	NX		
Synchronous water level	200.1 (03/18/96)	198.2 (03/20/97)	199.5 (03/18/98)	197.7 (03/22/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>1Q95</u>	<u>1Q97</u>	<u>1Q98</u>	<u>1Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<3.33	<15	<10	<.2	< EQL	U	1	ug/L	GE
		Arsenic, total recoverable	<3.33	2.21	<5	<3	< EQL	U	1	ug/L	GE
		Barium, total recoverable	25.4	23.5	24.1	18.4	< 2000		1	ug/L	GE
		Boron, total recoverable	<50							ug/L	
		Cadmium, total recoverable	<3.33	<10	<5	<1	< EQL	U	1	ug/L	GE
		Chromium, total recoverable	<6.67	<20	1.74	<3	< EQL	U	1	ug/L	GE
		Copper, total recoverable	17.9	51.7	28	44.8	< 1000		1	ug/L	GE
		Lead, total recoverable	9.3	31.4	5.75	3.58	< 50		1	ug/L	GE
		Lithium, total recoverable	<8.33							ug/L	
		Mercury, total recoverable	<.333	<1	<.2	<.2	< EQL	U	1	ug/L	GE
		Nickel, total recoverable	<6.67	<20	3.32	<2	< EQL	U	1	ug/L	GE
		Selenium, total recoverable	<3.33	<10	<5	<5	< EQL	U	1	ug/L	GE
		Silver, total recoverable	<3.33	<10	<5	<1	< EQL	U	1	ug/L	GE
		Sulfate	7280							ug/L	
		Tin, total recoverable	2.24	<100	<10	<5	< EQL	JU	1	ug/L	GE
		Total dissolved solids	46000							ug/L	
		Zinc, total recoverable	16.5	74.1	<16	67.4	< 5000		1	ug/L	GE
Organics											
		1,1,1-Trichloroethane	<1.67	<2	<1	<1	< EQL	JU	1	ug/L	GE
		1,1,2,2-Tetrachloroethane	<1.67	<2	<1	<1	< EQL	JU	1	ug/L	GE
		1,1,2-Trichloroethane	<1.67	<2	<1	<1	< EQL	JU	1	ug/L	GE
		1,1-Dichloroethane	<1.67	<2	<1	<1	< EQL	JU	1	ug/L	GE
		1,1-Dichloroethylene	<1.67	<2	<1	<1	< EQL	JU	1	ug/L	GE
		1,2-Dichloroethane	<1.67	<2	<1	<1	< EQL	JU	1	ug/L	GE
		1,2-Dichloropropane	<1.67	<2	<1	<1	< EQL	JU	1	ug/L	GE
		2-Chloroethyl vinyl ether	<1.67	<5	<5	<5	< EQL	JU	1	ug/L	GE
		Benzene	<1.67	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Bromodichloromethane	<1.67	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Bromoform	<1.67	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Bromomethane (Methyl bromide)	<1.67	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Carbon tetrachloride	<1.67	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Chlorobenzene	<1.67	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Chloroethane	<1.67	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Chloroethene (Vinyl chloride)	<1.67	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Chloroform	<1.67	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Chloromethane (Methyl chloride)	<1.67	<2	<1	<1	< EQL	JU	1	ug/L	GE
		cis-1,3-Dichloropropene	<1.67	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Dibromochloromethane	<1.67	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Dichloromethane (Methylene chloride)	<1.67	<5	<1.14	<5	< EQL	JU	1	ug/L	GE
		Ethylbenzene	<1.67	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Phenols	<8.33							ug/L	
		Tetrachloroethylene	<1.67	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Toluene	<1.67	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Total organic carbon	3620							ug/L	
		Total organic halogens	<8.33							ug/L	
		trans-1,2-Dichloroethylene	<1.67	<2	<1	<1	< EQL	JU	1	ug/L	GE
		trans-1,3-Dichloropropene	<1.67	<2	<1	<1	< EQL	JU	1	ug/L	GE

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for First Quarter 1999 data only.

* = exceeded holding time for First Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for First Quarter 1999.

Table D-4B. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL HSB142D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>1Q95</u>	<u>1Q97</u>	<u>1Q98</u>	<u>1Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		Trichloroethylene	<1.67	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Trichlorofluoromethane	<1.67	<2	<1	<5	< EQL	JU	1	ug/L	GE
Radionuclides											
		Carbon-14	1.45	-3.52	-1.48	2.02	< EQL	U	1	pCi/L	GP
		Gross alpha	1.59	5.39	5.06	1.09	NDD	J	1	pCi/L	GP
		Nonvolatile beta	2.27	2.98	5.74	2.6	NDD	J	1	pCi/L	GP
		Radium-226	1.18	.309	.165	.643	NDD	J	1	pCi/L	GP
		Radium-228	.033	1.07	3.16	.49	< EQL	U	1	pCi/L	GP
		Strontium-90	1.58	-.006	.432	-.273	< EQL	U	1	pCi/L	GP
+		Tritium	196	196	170	250	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for First Quarter 1999 data only.

* = exceeded holding time for First Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for First Quarter 1999.

Table D-4B. Groundwater Monitoring Results for Assessment Wells, MWMF**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>
N 72997.9 E 54014.9	33.27536 Deg N -81.6664 Deg W	180.6 - 170.6 ft msl	213.6 ft msl	4 " PVC	S	LAZ_UTRA

<u>SAMPLE DATE</u>	01/26/96	02/03/97	01/21/98	01/21/99
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FIELD DATA

<u>Parameter</u>	<u>1Q96</u>	<u>1Q97</u>	<u>1Q98</u>	<u>1Q99</u>	<u>Unit</u>
Water Elevation	207.6	207.25	209.42	207.25	ft msl
pH	4.4	4.6	4.9	6.1	pH
Sp. Conductance	84	100	70	83	uS/cm
Water temperature	19	26	17.5	19.8	deg. C
Total Alkalinity as CaCO3			1		mg/L
Phenolphthalein Alkalinity as CaCO3					mg/L
Turbidity	4.6	1.6	.8	.8	NTU
Volumes purged		2.80	3.20	2.97	well volume
Sampling code	NX		N		
Synchronous water level	208.7 (03/18/96)	208.7 (03/20/97)	209.9 (03/18/98)	207.1 (03/22/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>1Q96</u>	<u>1Q97</u>	<u>1Q98</u>	<u>1Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<5	<15	<10	<2	< EQL	U	1	ug/L	GE
		Arsenic, total recoverable	<5	<10	<5	1.15	NDD	J	1	ug/L	GE
		Barium, total recoverable	24	21.7	19.7	17.6	< 2000		1	ug/L	GE
		Boron, total recoverable									
		Cadmium, total recoverable	<2	<10	.273	<1	< EQL	U	1	ug/L	GE
		Chromium, total recoverable	1.22	<20	<5	<3	< EQL	U	1	ug/L	GE
		Copper, total recoverable	10.5	<20	2.76	1.33	< 1000		1	ug/L	GE
		Lead, total recoverable	11.2	3.11	<2.25	2.4	< 50		1	ug/L	GE
		Lithium, total recoverable									
		Mercury, total recoverable	<.099	<1	<.2	.254	< 2		1	ug/L	GE
		Nickel, total recoverable	<10	<20	<5	<2	< EQL	U	1	ug/L	GE
		Selenium, total recoverable	<5	<10	2.22	2.78	NDD	J	1	ug/L	GE
		Silver, total recoverable	<2	<10	<5	<1	< EQL	U	1	ug/L	GE
		Sulfate									
		Tin, total recoverable	<50	<100	<10	<5	< EQL	U	1	ug/L	GE
		Total dissolved solids									
		Zinc, total recoverable	22.8	<9.62	<4.26	<10	< EQL	U	1	ug/L	GE
Organics											
		1,1,1-Trichloroethane	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		1,1,2,2-Tetrachloroethane	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		1,1,2-Trichloroethane	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		1,1-Dichloroethane	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		1,1-Dichloroethylene	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		1,2-Dichloroethane	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		1,2-Dichloropropane	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		2-Chloroethyl vinyl ether	<10	<5	<5	<5	< EQL	JU	1	ug/L	GE
		Benzene	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Bromodichloromethane	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Bromoform	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Bromomethane (Methyl bromide)	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Carbon tetrachloride	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Chlorobenzene	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Chloroethane	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Chloroethene (Vinyl chloride)	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Chloroform	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Chloromethane (Methyl chloride)	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		cis-1,3-Dichloropropene	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Dibromochloromethane	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Dichloromethane (Methylene chloride)	<1.58	<5	<3.46	<5	< EQL	JU	1	ug/L	GE
		Ethylbenzene	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Phenols									
		Tetrachloroethylene	1.49	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Toluene	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Total organic carbon									
		Total organic halogens									
		trans-1,2-Dichloroethylene	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		trans-1,3-Dichloropropene	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for First Quarter 1999 data only.

* = exceeded holding time for First Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for First Quarter 1999.

Table D-4B. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL HSB151C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>1Q96</u>	<u>1Q97</u>	<u>1Q98</u>	<u>1Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		Trichloroethylene	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Trichlorofluoromethane	<2	<2	<1	<5	< EQL	JU	1	ug/L	GE
Radionuclides											
		Carbon-14	21.4	8.97	27.2	13.8	NDD	J	1	pCi/L	GP
		Gross alpha	2.14	2.39	1.48	1.66	< 15		1	pCi/L	GP
		Nonvolatile beta	14.6	12.4	10.2	13.1	< 50		1	pCi/L	GP
		Radium-226	1.04	.842	.554	1.1	NDD	J	1	pCi/L	GP
		Radium-228	-.494	-.476	4.4	.411	< EQL	U	1	pCi/L	GP
		Strontium-90	-.194	-.557	-.239	.405	< EQL	U	1	pCi/L	GP
+		Tritium	1630	1410	1020	893	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for First Quarter 1999 data only.

* = exceeded holding time for First Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for First Quarter 1999.

Table D-4B. Groundwater Monitoring Results for Assessment Wells, MWMF**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>
N 72997.8	33.27537 Deg N	207.6 - 197.6 ft msl	213.6 ft msl	4 " PVC	S	UAZ_UTRA
E 54026.4	-81.6663 Deg W					

<u>SAMPLE DATE</u>	01/26/96	02/03/97	01/21/98	01/21/99
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FIELD DATA

<u>Parameter</u>	<u>1Q96</u>	<u>1Q97</u>	<u>1Q98</u>	<u>1Q99</u>	<u>Unit</u>
Water Elevation	207.24	207.3	209.18	206.68	ft msl
pH	4	4.8	5	5.8	pH
Sp. Conductance	60	24	15	28	uS/cm
Water temperature	20	23	13.1	17.2	deg. C
Total Alkalinity as CaCO3	1		1	1	mg/L
Phenolphthalein Alkalinity as CaCO3					mg/L
Turbidity	6.4	7.8	6.1		NTU
Volumes purged	.161	.321	3.21	5.84	well volume
Sampling code	NX	NX	N		
Synchronous water level	208.4 (03/18/96)	207.7 (03/20/97)	209.6 (03/18/98)	206.4 (03/22/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>1Q96</u>	<u>1Q97</u>	<u>1Q98</u>	<u>1Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	1.8	<15	<10	<.2	< EQL	U	1	ug/L	GE
		Arsenic, total recoverable	<3.74	<10	<5	1.4	NDD	J	1	ug/L	GE
		Barium, total recoverable	7.31	4.93	5.12	6.18	< 2000		1	ug/L	GE
		Boron, total recoverable									
		Cadmium, total recoverable	<2	<10	<5	<1	< EQL	U	1	ug/L	GE
		Chromium, total recoverable	5.81	<20	<5	1.13	NDD	J	1	ug/L	GE
		Copper, total recoverable	31.3	15.5	5.76	9.6	< 1000		1	ug/L	GE
		Lead, total recoverable	23.3	5.09	<1.04	1.33	NDD	J	1	ug/L	GE
		Lithium, total recoverable									
		Mercury, total recoverable	<.106	<1	<.2	<.2	< EQL	U	1	ug/L	GE
		Nickel, total recoverable	<10	<20	<5	.88	NDD	J	1	ug/L	GE
		Selenium, total recoverable	3.15	<10	1.76	3	NDD	J	1	ug/L	GE
		Silver, total recoverable	<2	<10	<5	<1	< EQL	U	1	ug/L	GE
		Sulfate									
		Tin, total recoverable	<50	<100	<10	<5	< EQL	U	1	ug/L	GE
		Total dissolved solids									
		Zinc, total recoverable	<16.6	<7.41	19.8	21.3	< 5000		1	ug/L	GE
Organics											
		1,1,1-Trichloroethane	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		1,1,2,2-Tetrachloroethane	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		1,1,2-Trichloroethane	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		1,1-Dichloroethane	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		1,1-Dichloroethylene	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		1,2-Dichloroethane	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		1,2-Dichloropropane	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		2-Chloroethyl vinyl ether	<10	<5	<5	<5	< EQL	JU	1	ug/L	GE
		Benzene	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Bromodichloromethane	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Bromoform	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Bromomethane (Methyl bromide)	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Carbon tetrachloride	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Chlorobenzene	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Chloroethane	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Chloroethene (Vinyl chloride)	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Chloroform	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Chloromethane (Methyl chloride)	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		cis-1,3-Dichloropropene	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Dibromochloromethane	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Dichloromethane (Methylene chloride)	<1.75	<5	<3.62	<5	< EQL	JU	1	ug/L	GE
		Ethylbenzene	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Phenols									
		Tetrachloroethylene	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Toluene	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Total organic carbon									
		Total organic halogens									
		trans-1,2-Dichloroethylene	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		trans-1,3-Dichloropropene	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for First Quarter 1999 data only.

* = exceeded holding time for First Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for First Quarter 1999.

Table D-4B. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL HSB151D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>1Q96</u>	<u>1Q97</u>	<u>1Q98</u>	<u>1Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		Trichloroethylene	<2	<2	<1	<1	< EQL	JU	1	ug/L	GE
		Trichlorofluoromethane	<2	<2	<1	<5	< EQL	JU	1	ug/L	GE
Radionuclides											
		Carbon-14	-.15	-2.43	9.1	.859	< EQL	U	1	pCi/L	GP
		Gross alpha	.535	1.9	.395	1.27	NDD	J	1	pCi/L	GP
		Nonvolatile beta	2	3.31	1.51	3.11	< 50		1	pCi/L	GP
		Radium-226	.221	.499	.196	.124	< EQL	U	1	pCi/L	GP
		Radium-228	-.469	-.216	1.65	.41	< EQL	U	1	pCi/L	GP
		Strontium-90	-.508	-.495	.969	-.0264	< EQL	U	1	pCi/L	GP
+		Tritium	81.4	54.3	21.9	38.6	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for First Quarter 1999 data only.

* = exceeded holding time for First Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for First Quarter 1999.

Table D-4C. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL FSS 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>
N 75257.6	33.28016 Deg N	229.9 - 209.9 ft msl	266 ft msl	4 " PVC	S	UAZ_UTRA
E 53897.6	-81.6711 Deg W					

<u>SAMPLE DATE</u>	10/22/96	10/22/97	11/02/98	11/30/99
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FIELD DATA

<u>Parameter</u>	<u>4Q96</u>	<u>4Q97</u>	<u>4Q98</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	222.69	221.1	224.42	221.54	ft msl
pH	5.6	4.8	5.5	4.6	pH
Sp. Conductance	80	100	50	55	uS/cm
Water temperature	25	18	22.9	23.3	deg. C
Total Alkalinity as CaCO3	30		20	0	mg/L
Phenolphthalein Alkalinity as CaCO3				0	mg/L
Turbidity	15.5	43	8.8	14.7	NTU
Volumes purged	.122	0	.858	.672	well volume
Sampling code	NX	NX	NX	NX	
Synchronous water level	222.2 (12/16/96)	221.5 (12/16/97)	223.6 (12/22/98)	221.5 (12/07/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>4Q96</u>	<u>4Q97</u>	<u>4Q98</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<5	<10	<27	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<5	<5	<40	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	10.5	20.2	5.1	5	< 2000		1	ug/L	WA
		Boron, total recoverable	13.7	<50	<266	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<2	1.68	<4.7	<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable	18.2	5.58	1.3	6.6	NDD	J	1	ug/L	WA
		Copper, total recoverable	346	315	79.3	240	< 1000		1	ug/L	WA
		Lead, total recoverable	39.9	39.1	11.1	23	NDD	J	1	ug/L	WA
		Lithium, total recoverable	<25	<25	<2.7	.38	NDD	J	1	ug/L	WA
		Mercury, total recoverable	.287	.167	<.45	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	12.7	5.88	<26	7.9	NDD	J	1	ug/L	WA
		Selenium, total recoverable	<5	<5	<66	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<2	<5	<5	<.55	< EQL	U	1	ug/L	WA
		Sulfate	1540	1890	1800	1620	< 400000		1	ug/L	WA
		Tin, total recoverable	<50	<10	<70	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	57000	50000	51000	213000			1	ug/L	WA
		Zinc, total recoverable	45.7	83.7	<20.3	27	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<2	<1	<5	<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	<5	<10	<10	< EQL	U	1	ug/L	WA
		Benzene	<2	<1	<1.09	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Bromoform	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<2	<1	<10	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<2	<1	<10	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<2	<1	<10	<10	< EQL	U	1	ug/L	WA
		Chloroform	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<2	<1	<10	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<10	<1.94	<5.51	<6.44	< EQL	U	1	ug/L	WA
		Ethylbenzene	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Phenols	<5	<5	<37	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Toluene	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	224	<5000	1210	<354	< EQL	U	1	ug/L	WA
		Total organic halogens	<10	<4.48	<120	17.5	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		trans-1,3-Dichloropropene	<2	<1	<5	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4C. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL FSS 1D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>4Q96</u>	<u>4Q97</u>	<u>4Q98</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		Trichloroethylene	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	-2.83	-15.7	3511	1.78	< EQL	U	1	pCi/L	GP
		Gross alpha	1.63	1.2	2.43	1.8	< 15		1	pCi/L	GP
		Nonvolatile beta	1.48	1.38	3.09	1.36	NDD	J	1	pCi/L	GP
		Radium-226				3.14	NDD	J	1	pCi/L	GP
		Radium-228				.442	< EQL	U	1	pCi/L	GP
		Strontium-90	.438	-.143	-.45	-.123	< EQL	U	1	pCi/L	GP
		Tritium	9.78	9.18	9.4	8.23	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4C. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL FSS 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>
N 75103.5 E 53918.9	33.27986 Deg N -81.6707 Deg W	224.4 - 204.4 ft msl	261.6 ft msl	4 " PVC	S	UAZ_UTRA

<u>SAMPLE DATE</u>	10/22/96	10/22/97	11/02/98	11/30/99
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FIELD DATA

<u>Parameter</u>	<u>4Q96</u>	<u>4Q97</u>	<u>4Q98</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	222	220.6	223.75	220.9	ft msl
pH	5.2	4.8	5.1	4.5	pH
Sp. Conductance	56	100	35	54	uS/cm
Water temperature	24	18	21.8	22.1	deg. C
Total Alkalinity as CaCO3	7			0	mg/L
Phenolphthalein Alkalinity as CaCO3				0	mg/L
Turbidity	130	34	32.3	31.9	NTU
Volumes purged	.088	0	.478	.655	well volume
Sampling code	NX	NX	NX	NX	
Synchronous water level	221.5 (12/16/96)	220.9 (12/16/97)	222.9 (12/22/98)	214.9 (12/07/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>4Q96</u>	<u>4Q97</u>	<u>4Q98</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<5	<10	3.7	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<5	<5	<4	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	32.7	27.7	25.1	21.5	< 2000		1	ug/L	WA
		Boron, total recoverable	18.6	19.7	<266	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<2	<5	<4.7	.52	NDD	J	1	ug/L	WA
		Chromium, total recoverable	6.21	3.17	3.6	1.9	NDD	J	1	ug/L	WA
		Copper, total recoverable	77.7	101	55.1	45.9	< 1000		1	ug/L	WA
		Lead, total recoverable	44.8	32.2	21.2	14.7	NDD	J	1	ug/L	WA
		Lithium, total recoverable	<25	<25	2	1.4	NDD	J	1	ug/L	WA
		Mercury, total recoverable	.305	.168	<.45	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	4.18	4.27	3.4	3	NDD	J	1	ug/L	WA
		Selenium, total recoverable	<5	<5	6.9	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<2	<5	<5	<.52	< EQL	U	1	ug/L	WA
		Sulfate	15400	14600	5490	9040	< 400000		1	ug/L	WA
		Tin, total recoverable	<50	<10	<70	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	51000	48000	27000	38000	NDD	J	1	ug/L	WA
		Zinc, total recoverable	136	148	137	57.5	< 5000		1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<2	<1	<5	<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	<5	<10	<10	< EQL	U	1	ug/L	WA
		Benzene	<2	<1	<1.12	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Bromoform	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<2	<1	<10	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<2	<1	<10	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<2	<1	<10	<10	< EQL	U	1	ug/L	WA
		Chloroform	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<2	<1	<10	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<10	<1.78	5.21	<7.08	< EQL	U	1	ug/L	WA
		Ethylbenzene	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Phenols	<5	<5	<37	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Toluene	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	794	<219	688	<581	< EQL	U	1	ug/L	WA
		Total organic halogens	4.32	<4.94	<120	20.5	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		trans-1,3-Dichloropropene	<2	<1	<5	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4C. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL FSS 2D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>4Q96</u>	<u>4Q97</u>	<u>4Q98</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		Trichloroethylene	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	1.99	14.4	3025.37	7.95	< EQL	U	1	pCi/L	GP
		Gross alpha	7.14	3.49	5.65	4.74	< 15		1	pCi/L	GP
		Nonvolatile beta	4.99	3.39	6.1	5.18	< 50		1	pCi/L	GP
		Radium-226				.000426	< EQL	U	1	pCi/L	GP
		Radium-228				.923	< EQL	U	1	pCi/L	GP
		Strontium-90	-.336	1.07	-.58	.383	< EQL	U	1	pCi/L	GP
+		Tritium	250	51.7	258.65	239	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4C. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL FSS 3D**

<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>
N 74960.5 E 53548	33.27893 Deg N -81.6714 Deg W	225.8 - 205.8 ft msl	258.2 ft msl	4 " PVC	S	UAZ_UTRA

<u>SAMPLE DATE</u>	10/16/96	10/15/97	12/08/98	11/29/99
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FIELD DATA

<u>Parameter</u>	<u>4Q96</u>	<u>4Q97</u>	<u>4Q98</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	221.6	218.3	222.95	218.82	ft msl
pH	4	5	4.4	4.6	pH
Sp. Conductance	72	60	63	51	uS/cm
Water temperature	21	20	20.7	21.1	deg. C
Total Alkalinity as CaCO3	1	1	1	0	mg/L
Phenolphthalein Alkalinity as CaCO3				0	mg/L
Turbidity	39.6	11.2	6.7	9.7	NTU
Volumes purged	.098	0	.180	.357	well volume
Sampling code	NX	NX	NX	NX	
Synchronous water level	219.3 (12/16/96)	218.6 (12/16/97)	220.8 (12/22/98)	218.8 (12/07/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>4Q96</u>	<u>4Q97</u>	<u>4Q98</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<5	<10	<27	<27	<EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<5	<5	<40	<40	<EQL	U	1	ug/L	WA
		Barium, total recoverable	29.1	43.6	15.6	16.4	<2000		1	ug/L	WA
		Boron, total recoverable	<50	<50	<266	<266	<EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<.21	<.373	<4.7	<4.7	<EQL	U	1	ug/L	WA
		Chromium, total recoverable	6.76	9.34	3.1	2.7	NDD	J	1	ug/L	WA
		Copper, total recoverable	21.9	216	21.3	28.3	<1000		1	ug/L	WA
		Lead, total recoverable	21.5	94.4	32.3	34.1	NDD	J	1	ug/L	WA
		Lithium, total recoverable	<25	<25	.5	.41	NDD	J	1	ug/L	WA
		Mercury, total recoverable	<.2	.143	<.45	<.7	<EQL	U	1	ug/L	WA
		Nickel, total recoverable	5.38	8.66	2.9	3	NDD	J	1	ug/L	WA
		Selenium, total recoverable	<5	<5	<66	<66	<EQL	U	1	ug/L	WA
		Silver, total recoverable	<2	<5	<5	<2.2	<EQL	U	1	ug/L	WA
		Sulfate	10300	9870	13100	9980	<400000		1	ug/L	WA
		Tin, total recoverable	<50	<10	<70	<70	<EQL	U	1	ug/L	WA
		Total dissolved solids	39000	40000	17000	38000	NDD	J	1	ug/L	WA
		Zinc, total recoverable	13	65	<53	6.9	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<2	<1	<5	<5	<EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<2	<1	<5	<5	<EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<2	<1	<5	<5	<EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<2	<1	<5	<5	<EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<2	<1	<5	<5	<EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<2	<1	<5	<5	<EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<2	<1	<5	<5	<EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	<5	<10	<10	<EQL	U	1	ug/L	WA
		Benzene	<2	<1	<5	<5	<EQL	U	1	ug/L	WA
		Bromodichloromethane	<2	<1	<5	<5	<EQL	U	1	ug/L	WA
		Bromoform	<2	<1	<5	<5	<EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<2	<1	<10	<10	<EQL	U	1	ug/L	WA
		Carbon tetrachloride	<2	<1	<5	<5	<EQL	U	1	ug/L	WA
		Chlorobenzene	<2	<1	<5	<5	<EQL	U	1	ug/L	WA
		Chloroethane	<2	<1	<10	<10	<EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<2	<1	<10	<10	<EQL	U	1	ug/L	WA
		Chloroform	<2	<1	<5	<5	<EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<2	<1	<10	<10	<EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<2	<1	<5	<5	<EQL	U	1	ug/L	WA
		Dibromochloromethane	<2	<1	<5	<5	<EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<10	<1.1	<5	<11.8	<EQL	U	1	ug/L	WA
		Ethylbenzene	<2	<1	<5	<5	<EQL	U	1	ug/L	WA
		Phenols	<4.48	<5	<37	<37	<EQL	U	1	ug/L	WA
		Tetrachloroethylene	<2	<1	<5	<5	<EQL	U	1	ug/L	WA
		Toluene	<2	<1	<5	<5	<EQL	U	1	ug/L	WA
		Total organic carbon	3030	3340	1040	<5000	<EQL	U	1	ug/L	WA
		Total organic halogens	<10	9.22	<120	20.7	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene	<2	<1	7.74	<5	<EQL	U	1	ug/L	WA
		trans-1,3-Dichloropropene	<2	<1	<5	<5	<EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4C. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL FSS 3D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>4Q96</u>	<u>4Q97</u>	<u>4Q98</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		Trichloroethylene	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	-1.68	-4.67	383.67	-1.68	< EQL	U	1	pCi/L	GP
		Gross alpha	2.13	3.27	2.8	1.6	< 15		1	pCi/L	GP
		Nonvolatile beta	2.15	3.19	4.36	3.14	< 50		1	pCi/L	GP
		Radium-226				.429	< EQL	U	1	pCi/L	GP
		Radium-228				.655	NDD	J	1	pCi/L	GP
		Strontium-90	.524	.113	-.2	-.136	< EQL	U	1	pCi/L	GP
+		Tritium	190	136	128.45	220	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4C. Groundwater Monitoring Results for Assessment Wells, MWMF**WELL FSS 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>
N 75537.8 E 52876.1	33.27911 Deg N -81.6743 Deg W	222.6 - 202.6 ft msl	291.8 ft msl	4 " PVC	S	UAZ_UTRA

<u>SAMPLE DATE</u>	10/22/96	10/22/97	11/02/98	11/30/99
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FIELD DATA

<u>Parameter</u>	<u>4Q96</u>	<u>4Q97</u>	<u>4Q98</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	218.52	216.8	220.95	218.16	ft msl
pH	4.6	4	4.9	4.6	pH
Sp. Conductance	42	160	45	44	uS/cm
Water temperature	24	18	24.5	20.5	deg. C
Total Alkalinity as CaCO ₃	9			0	mg/L
Phenolphthalein Alkalinity as CaCO ₃				0	mg/L
Turbidity	72.2	5	12.1	13.4	NTU
Volumes purged	.097	0	.924	.099	well volume
Sampling code	NX	NX	NX	NX	
Synchronous water level	218.1 (12/16/96)	216.7 (12/16/97)	220.2 (12/22/98)	218 (12/07/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>4Q96</u>	<u>4Q97</u>	<u>4Q98</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics											
		Antimony, total recoverable	<5	<10	<27	<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable	<5	<5	<40	<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable	12.3	11.6	11.8	208	< 2000		1	ug/L	WA
		Boron, total recoverable	<50	<50	<266	<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable	<2	.889	<4.7	.48	NDD	J	1	ug/L	WA
		Chromium, total recoverable	15.2	2.09	5.6	2.1	NDD	J	1	ug/L	WA
		Copper, total recoverable	11	1530	17.1	10.5	NDD	J	1	ug/L	WA
		Lead, total recoverable	2.83	548	6.7	<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable	<25	<25	.68	.78	NDD	J	1	ug/L	WA
		Mercury, total recoverable	.805	.222	<.45	<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable	2.18	24.6	<26	<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable	<5	<5	<66	<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable	<2	<5	<1.3	<.81	< EQL	U	1	ug/L	WA
		Sulfate	673	<5000	1230	1590	< 400000		1	ug/L	WA
		Tin, total recoverable	<50	<10	<70	<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	40000	46000	26000	109000			1	ug/L	WA
		Zinc, total recoverable	18.1	2430	<33	17.9	NDD	J	1	ug/L	WA
Organics											
		1,1,1-Trichloroethane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<2	<1	<5	<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	<5	<10	<10	< EQL	U	1	ug/L	WA
		Benzene	<2	<1	<1.36	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Bromoform	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<2	<1	<10	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<2	<1	<10	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<2	<1	<10	<10	< EQL	U	1	ug/L	WA
		Chloroform	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<2	<1	<10	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<10	<1.69	<5.61	<5.99	< EQL	U	1	ug/L	WA
		Ethylbenzene	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Phenols	<5	<5	<37	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Toluene	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		Total organic carbon	189	<5000	1320	<582	< EQL	U	1	ug/L	WA
		Total organic halogens	7.64	<5.12	<120	21.5	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
		trans-1,3-Dichloropropene	<2	<1	<5	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-4C. Groundwater Monitoring Results for Assessment Wells, MWMF

WELL FSS 4D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>4Q96</u>	<u>4Q97</u>	<u>4Q98</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics											
		Trichloroethylene	<2	.81	<5	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<2	<1	<5	<5	< EQL	U	1	ug/L	WA
Radionuclides											
		Carbon-14	-4.04	-8.49	1215.27	2.29	< EQL	U	1	pCi/L	GP
		Gross alpha	12.1	1.26	.42	3.17	< 15		1	pCi/L	GP
		Nonvolatile beta	9.3	1.58	.22	4	< 50		1	pCi/L	GP
		Radium-226				.439	< EQL	U	1	pCi/L	GP
		Radium-228				.0672	< EQL	U	1	pCi/L	GP
		Strontium-90	-.201	-.27	.63	-.187	< EQL	U	1	pCi/L	GP
		Tritium	4.88	4	3.72	3.96	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF

WELL BGO 6A

<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>
N 76487.2 E 58316.8	33.29009 Deg N -81.6618 Deg W	117.5 - 107.5 ft msl	285.6 ft msl	4 " PVC	S	GA

SAMPLE DATE 11/17/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	158.8	ft msl
pH		7.2	pH
Sp. Conductance		296	uS/cm
Water temperature		18.8	deg. C
Total Alkalinity as CaCO3		144	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		.4	NTU
Volumes purged		2.51	well volume
Sampling code			
Synchronous water level		158.7 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable		<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable		<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable		41.9	< 2000		1	ug/L	WA
		Boron, total recoverable		<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable		<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable		<7	< EQL	U	1	ug/L	WA
		Copper, total recoverable		<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable		<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable		1.3	NDD	J	1	ug/L	WA
		Mercury, total recoverable		<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable		<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable		<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable		<5	< EQL	U	1	ug/L	WA
		Sulfate		8880	< 400000		1	ug/L	WA
		Tin, total recoverable		<70	< EQL	U	1	ug/L	WA
		Total dissolved solids		210000			1	ug/L	WA
		Zinc, total recoverable		<53	< EQL	U	1	ug/L	WA
Organics									
		1,1,1-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane		<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether		<10	< EQL	U	1	ug/L	WA
		Benzene		<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane		<5	< EQL	U	1	ug/L	WA
		Bromoform		<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)		<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride		<5	< EQL	U	1	ug/L	WA
		Chlorobenzene		<5	< EQL	U	1	ug/L	WA
		Chloroethane		<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)		<10	< EQL	U	1	ug/L	WA
		Chloroform		<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)		<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane		<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)		<4.34	< EQL	U	1	ug/L	WA
		Ethylbenzene		<5	< EQL	U	1	ug/L	WA
		Phenols		<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene		<5	< EQL	U	1	ug/L	WA
		Toluene		<5	< EQL	U	1	ug/L	WA
		Total organic carbon		<354	< EQL	U	1	ug/L	WA
		Total organic halogens		25.4	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		trans-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF

WELL BGO 6A

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		Trichloroethylene		<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane		<5	< EQL	U	1	ug/L	WA
Radionuclides									
		Carbon-14		-1.5	< EQL	U	1	pCi/L	GP
		Gross alpha		.215	< EQL	U	1	pCi/L	GP
		Nonvolatile beta		1.34	< EQL	U	1	pCi/L	GP
		Radium-226		1.18	< EQL	U	1	pCi/L	GP
		Radium-228		1.01	NDD	J	1	pCi/L	GP
		Strontium-90		-.047	< EQL	U	1	pCi/L	GP
		Tritium		-.0746	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF

WELL BGO 8C

<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>
N 76579.2 E 57618.7	33.28916 Deg N -81.6638 Deg W	184.3 - 174.3 ft msl	287.9 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE 11/20/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	221.35	ft msl
pH		6.8	pH
Sp. Conductance		87	uS/cm
Water temperature		20	deg. C
Total Alkalinity as CaCO3		36	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		.8	NTU
Volumes purged		5.23	well volume
Sampling code			
Synchronous water level		221.2 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable		<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable		<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable		6.3	< 2000		1	ug/L	WA
		Boron, total recoverable		<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable		<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable		3.3	NDD	J	1	ug/L	WA
		Copper, total recoverable		14.7	NDD	J	1	ug/L	WA
		Lead, total recoverable		<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable		3.4	< 250		1	ug/L	WA
		Mercury, total recoverable		<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable		<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable		<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable		<5	< EQL	U	1	ug/L	WA
		Sulfate		975	< 400000		1	ug/L	WA
		Tin, total recoverable		<70	< EQL	U	1	ug/L	WA
		Total dissolved solids		<51000	< EQL	JU	1	ug/L	WA
		Zinc, total recoverable		23.7	NDD	J	1	ug/L	WA
Organics									
		1,1,1-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane		<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether		<10	< EQL	U	1	ug/L	WA
		Benzene		<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane		<5	< EQL	U	1	ug/L	WA
		Bromoform		<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)		<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride		<5	< EQL	U	1	ug/L	WA
		Chlorobenzene		<5	< EQL	U	1	ug/L	WA
		Chloroethane		<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)		<10	< EQL	U	1	ug/L	WA
		Chloroform		<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)		<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane		<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)		<7.84	< EQL	U	1	ug/L	WA
		Ethylbenzene		<5	< EQL	U	1	ug/L	WA
		Phenols		<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene		<5	< EQL	U	1	ug/L	WA
		Toluene		<5	< EQL	U	1	ug/L	WA
		Total organic carbon		<229	< EQL	U	1	ug/L	WA
		Total organic halogens		16.8	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		trans-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF

WELL BGO 8C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		Trichloroethylene		<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane		<5	< EQL	U	1	ug/L	WA
Radionuclides									
		Carbon-14		-4.55	< EQL	U	1	pCi/L	GP
		Gross alpha		.387	< EQL	U	1	pCi/L	GP
		Nonvolatile beta		.706	< EQL	U	1	pCi/L	GP
		Radium-226		1.52	< EQL	U	1	pCi/L	GP
		Radium-228		.319	< EQL	U	1	pCi/L	GP
		Strontium-90		-.194	< EQL	U	1	pCi/L	GP
+		Tritium		46.2	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF

WELL BGO 10AR

<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>
N 76806 E 57063.8	33.28875 Deg N -81.6657 Deg W	106.5 - 96.5 ft msl	300.5 ft msl	4 " PVC	S	GA

SAMPLE DATE 11/19/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	157.58	ft msl
pH		7.4	pH
Sp. Conductance		224	uS/cm
Water temperature		19.2	deg. C
Total Alkalinity as CaCO ₃		101	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.4	NTU
Volumes purged		4.33	well volume
Sampling code			
Synchronous water level		157.5 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable		<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable		<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable		21.6	< 2000		1	ug/L	WA
		Boron, total recoverable		<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable		<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable		<7	< EQL	U	1	ug/L	WA
		Copper, total recoverable		<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable		<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable		6.9	< 250		1	ug/L	WA
		Mercury, total recoverable		<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable		<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable		<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable		<5	< EQL	U	1	ug/L	WA
		Sulfate		7480	< 400000		1	ug/L	WA
		Tin, total recoverable		<70	< EQL	U	1	ug/L	WA
		Total dissolved solids		176000			1	ug/L	WA
		Zinc, total recoverable		<53	< EQL	U	1	ug/L	WA
Organics									
		1,1,1-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane		<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether		<10	< EQL	U	1	ug/L	WA
		Benzene		<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane		<5	< EQL	U	1	ug/L	WA
		Bromoform		<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)		<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride		<5	< EQL	U	1	ug/L	WA
		Chlorobenzene		<5	< EQL	U	1	ug/L	WA
		Chloroethane		<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)		<10	< EQL	U	1	ug/L	WA
		Chloroform		<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)		<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane		<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)		<4.72	< EQL	U	1	ug/L	WA
		Ethylbenzene		<5	< EQL	U	1	ug/L	WA
		Phenols		<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene		<5	< EQL	U	1	ug/L	WA
		Toluene		<5	< EQL	U	1	ug/L	WA
		Total organic carbon		<744	< EQL	U	1	ug/L	WA
		Total organic halogens		33.3	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		trans-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in Italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF

WELL BGO 10AR

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		Trichloroethylene		<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane		<5	< EQL	U	1	ug/L	WA
Radionuclides									
		Carbon-14		-3.99	< EQL	U	1	pCi/L	GP
		Gross alpha		.536	< EQL	U	1	pCi/L	GP
		Nonvolatile beta		1.5	NDD	J	1	pCi/L	GP
		Radium-226		.373	< EQL	U	1	pCi/L	GP
		Radium-228		-.158	< EQL	U	1	pCi/L	GP
		Strontium-90		.358	< EQL	U	1	pCi/L	GP
		Tritium		-.144	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

*= exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF

WELL BGO 14AR

<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>
N 76351.8 E 55788.9	33.28567 Deg N -81.6682 Deg W	106.8 - 96.8 ft msl	300.7 ft msl	4 " PVC	S	GA

SAMPLE DATE 05/25/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	158.7	Not Available	ft msl
pH	10.8		pH
Sp. Conductance	480		uS/cm
Water temperature	20.1		deg. C
Total Alkalinity as CaCO ₃	135		mg/L
Phenolphthalein Alkalinity as CaCO ₃	98		mg/L
Turbidity	.6		NTU
Volumes purged	3.11		well volume
Sampling code			
Synchronous water level	158.6 (06/25/99)		ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable	<27					ug/L	
		Arsenic, total recoverable	<40					ug/L	
		Barium, total recoverable	96					ug/L	
		Boron, total recoverable	<266					ug/L	
		Cadmium, total recoverable	<4.7					ug/L	
		Chromium, total recoverable	1.8					ug/L	
		Copper, total recoverable	<15					ug/L	
		Lead, total recoverable	<47					ug/L	
		Lithium, total recoverable	36.3					ug/L	
		Mercury, total recoverable	<.71					ug/L	
		Nickel, total recoverable	<26					ug/L	
		Selenium, total recoverable	<66					ug/L	
		Silver, total recoverable	<5					ug/L	
		Sulfate	2780					ug/L	
		Tin, total recoverable	<70					ug/L	
		Total dissolved solids	<50000					ug/L	
		Zinc, total recoverable	<53					ug/L	
Organics									
		1,1,1-Trichloroethane	<5					ug/L	
		1,1,2,2-Tetrachloroethane	<5					ug/L	
		1,1,2-Trichloroethane	<5					ug/L	
		1,1-Dichloroethane	<5					ug/L	
		1,1-Dichloroethylene	<5					ug/L	
		1,2-Dichloroethane	<5					ug/L	
		1,2-Dichloropropane	<5					ug/L	
		2-Chloroethyl vinyl ether	<10					ug/L	
		Benzene	<5					ug/L	
		Bromodichloromethane	<5					ug/L	
		Bromoform	<5					ug/L	
		Bromomethane (Methyl bromide)	<10					ug/L	
		Carbon tetrachloride	<5					ug/L	
		Chlorobenzene	<5					ug/L	
		Chloroethane	<10					ug/L	
		Chloroethene (Vinyl chloride)	<10					ug/L	
		Chloroform	<5					ug/L	
		Chloromethane (Methyl chloride)	<10					ug/L	
		cis-1,3-Dichloropropene	<5					ug/L	
		Dibromochloromethane	<5					ug/L	
		Dichloromethane (Methylene chloride)	<6.03					ug/L	
		Ethylbenzene	<5					ug/L	
		Phenols	<37					ug/L	
		Tetrachloroethylene	<5					ug/L	
		Toluene	<5					ug/L	
		Total organic carbon	<677					ug/L	
		Total organic halogens	<120					ug/L	
		trans-1,2-Dichloroethylene	<5					ug/L	
		trans-1,3-Dichloropropene	<5					ug/L	

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF

WELL BGO 14AR

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		Trichloroethylene	<5					ug/L	
		Trichlorofluoromethane	<5					ug/L	
Radionuclides									
		Carbon-14	-3.22					pCi/L	
		Gross alpha	2.28					pCi/L	
		Nonvolatile beta	3.96					pCi/L	
		Radium-226							
		Radium-228							
		Strontium-90	-.159					pCi/L	
		Tritium	2.04					pCi/mL	

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF**WELL BGO 15D**

<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>
N 75973.5 E 55859.1	33.28495 Deg N -81.6673 Deg W	238.7 - 218.7 ft msl	298.7 ft msl	4 " PVC	S	UAZ_UTRA

SAMPLE DATE 05/24/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	229.29	Not Available	ft msl
pH	4.9		pH
Sp. Conductance	29		uS/cm
Water temperature	22.8		deg. C
Total Alkalinity as CaCO ₃			mg/L
Phenolphthalein Alkalinity as CaCO ₃			mg/L
Turbidity	2.4		NTU
Volumes purged	6.68		well volume
Sampling code			
Synchronous water level	228.9 (06/25/99)		ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable	<27					ug/L	
		Arsenic, total recoverable	<40					ug/L	
		Barium, total recoverable	11.1					ug/L	
		Boron, total recoverable	<266					ug/L	
		Cadmium, total recoverable	<4.7					ug/L	
		Chromium, total recoverable	<1.1					ug/L	
		Copper, total recoverable	<15					ug/L	
		Lead, total recoverable	<47					ug/L	
		Lithium, total recoverable	<2.7					ug/L	
		Mercury, total recoverable	<.71					ug/L	
		Nickel, total recoverable	<26					ug/L	
		Selenium, total recoverable	<66					ug/L	
		Silver, total recoverable	<5					ug/L	
		Sulfate	497					ug/L	
		Tin, total recoverable	<70					ug/L	
		Total dissolved solids	32000					ug/L	
		Zinc, total recoverable	5.4					ug/L	
Organics									
		1,1,1-Trichloroethane							
		1,1,2,2-Tetrachloroethane							
		1,1,2-Trichloroethane							
		1,1-Dichloroethane							
		1,1-Dichloroethylene							
		1,2-Dichloroethane							
		1,2-Dichloropropane							
		2-Chloroethyl vinyl ether							
		Benzene							
		Bromodichloromethane							
		Bromoform							
		Bromomethane (Methyl bromide)							
		Carbon tetrachloride							
		Chlorobenzene							
		Chloroethane							
		Chloroethene (Vinyl chloride)							
		Chloroform							
		Chloromethane (Methyl chloride)							
		cis-1,3-Dichloropropene							
		Dibromochloromethane							
		Dichloromethane (Methylene chloride)							
		Ethylbenzene							
		Phenols	<37					ug/L	
		Tetrachloroethylene							
		Toluene							
		Total organic carbon	1570					ug/L	
		Total organic halogens	167					ug/L	
		trans-1,2-Dichloroethylene							
		trans-1,3-Dichloropropene							

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in Italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF

WELL BGO 15D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		Trichloroethylene							
		Trichlorofluoromethane							
Radionuclides									
		Carbon-14	23.4					pCi/L	
		Gross alpha	1.82					pCi/L	
		Nonvolatile beta	2.04					pCi/L	
		Radium-226							
		Radium-228							
		Strontium-90	.448					pCi/L	
		Tritium	1350					pCi/mL	

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF

WELL BGO 16AR

<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>
N 75743.2 E 56217.1	33.28502 Deg N -81.6659 Deg W	113.7 - 103.7 ft msl	303.7 ft msl	4 " PVC	S	GA

SAMPLE DATE 11/30/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	160.17	ft msl
pH		6.7	pH
Sp. Conductance		174	uS/cm
Water temperature		18.9	deg. C
Total Alkalinity as CaCO3		79	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		.7	NTU
Volumes purged		2.62	well volume
Sampling code			
Synchronous water level		160.2 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable		<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable		<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable		35.6	< 2000		1	ug/L	WA
		Boron, total recoverable		<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable		<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable		2.9	NDD	J	1	ug/L	WA
		Copper, total recoverable		<2.7	< EQL	U	1	ug/L	WA
		Lead, total recoverable		<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable		1.6	NDD	J	1	ug/L	WA
		Mercury, total recoverable		<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable		<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable		<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable		<.75	< EQL	U	1	ug/L	WA
		Sulfate		1060	< 400000		1	ug/L	WA
		Tin, total recoverable		<70	< EQL	U	1	ug/L	WA
		Total dissolved solids		111000			1	ug/L	WA
		Zinc, total recoverable		<53	< EQL	U	1	ug/L	WA
Organics									
		1,1,1-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene		<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane		<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether		<10	< EQL	U	1	ug/L	WA
		Benzene		<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane		<5	< EQL	U	1	ug/L	WA
		Bromoform		<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)		<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride		<5	< EQL	U	1	ug/L	WA
		Chlorobenzene		<5	< EQL	U	1	ug/L	WA
		Chloroethane		<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)		<10	< EQL	U	1	ug/L	WA
		Chloroform		<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)		<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane		<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)		<5.88	< EQL	U	1	ug/L	WA
		Ethylbenzene		<5	< EQL	U	1	ug/L	WA
		Phenols		<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene		<5	< EQL	U	1	ug/L	WA
		Toluene		<5	< EQL	U	1	ug/L	WA
		Total organic carbon		<527	< EQL	U	1	ug/L	WA
		Total organic halogens		<120	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		trans-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF

WELL BGO 16AR

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		Trichloroethylene		<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane		<5	< EQL	U	1	ug/L	WA
Radionuclides									
		Carbon-14		2.03	< EQL	U	1	pCi/L	GP
		Gross alpha		1.05	NDD	J	1	pCi/L	GP
		Nonvolatile beta		1.54	NDD	J	1	pCi/L	GP
		Radium-226		-.0818	< EQL	U	1	pCi/L	GP
		Radium-228		1.18	NDD	J	1	pCi/L	GP
		Strontium-90		-.088	< EQL	U	1	pCi/L	GP
		Tritium		.231	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF**WELL BGO 18A**

<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>
N 75599.9	33.28549 Deg N	109.5 - 99.5 ft msl	295.2 ft msl	4 " PVC	S	GA
E 56699.7	-81.6643 Deg W					

SAMPLE DATE 11/30/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	160.55	ft msl
pH		6.9	pH
Sp. Conductance		183	uS/cm
Water temperature		18.9	deg. C
Total Alkalinity as CaCO3		79	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		.5	NTU
Volumes purged		3.03	well volume
Sampling code			
Synchronous water level		160.5 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable		<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable		<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable		28.5	< 2000		1	ug/L	WA
		Boron, total recoverable		<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable		<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable		<7	< EQL	U	1	ug/L	WA
		Copper, total recoverable		<2.5	< EQL	U	1	ug/L	WA
		Lead, total recoverable		<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable		3.2	< 250		1	ug/L	WA
		Mercury, total recoverable		<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable		<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable		<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable		<.77	< EQL	U	1	ug/L	WA
		Sulfate		8450	< 400000		1	ug/L	WA
		Tin, total recoverable		<70	< EQL	U	1	ug/L	WA
		Total dissolved solids		145000			1	ug/L	WA
		Zinc, total recoverable		<53	< EQL	U	1	ug/L	WA
Organics									
		1,1,1-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene		<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane		<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether		<10	< EQL	U	1	ug/L	WA
		Benzene		<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane		<5	< EQL	U	1	ug/L	WA
		Bromoform		<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)		<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride		<5	< EQL	U	1	ug/L	WA
		Chlorobenzene		<5	< EQL	U	1	ug/L	WA
		Chloroethane		<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)		<10	< EQL	U	1	ug/L	WA
		Chloroform		<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)		<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane		<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)		<5.64	< EQL	U	1	ug/L	WA
		Ethylbenzene		<5	< EQL	U	1	ug/L	WA
		Phenols		<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene		<5	< EQL	U	1	ug/L	WA
		Toluene		<5	< EQL	U	1	ug/L	WA
		Total organic carbon		<413	< EQL	U	1	ug/L	WA
		Total organic halogens		23.6	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		trans-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF

WELL BGO 18A

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		Trichloroethylene		<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane		<5	< EQL	U	1	ug/L	WA
Radionuclides									
		Carbon-14		-2.64	< EQL	U	1	pCi/L	GP
		Gross alpha		.602	< EQL	U	1	pCi/L	GP
		Nonvolatile beta		1.41	NDD	J	1	pCi/L	GP
		Radium-226		.335	< EQL	U	1	pCi/L	GP
		Radium-228		.496	< EQL	U	1	pCi/L	GP
		Strontium-90		-.101	< EQL	U	1	pCi/L	GP
		Tritium		-.274	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF**WELL BGO 20AA**

<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>
N 74949.8 E 57089.5	33.28469 Deg N -81.6621 Deg W	28.3 - 18.3 ft msl	283.6 ft msl	2 " PVC	V	GA

SAMPLE DATE 11/29/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	160.7	ft msl
pH		8.2	pH
Sp. Conductance		169	uS/cm
Water temperature		20.3	deg. C
Total Alkalinity as CaCO ₃		75	mg/L
Phenolphthalein Alkalinity as CaCO ₃		0	mg/L
Turbidity		.4	NTU
Volumes purged		2.48	well volume
Sampling code			
Synchronous water level		160.7 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable		<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable		<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable		64.3	< 2000		1	ug/L	WA
		Boron, total recoverable		<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable		<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable		<7	< EQL	U	1	ug/L	WA
		Copper, total recoverable		<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable		<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable		30.5	< 250		1	ug/L	WA
		Mercury, total recoverable		<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable		<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable		<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable		<1	< EQL	JU	1	ug/L	WA
		Sulfate		9940	< 400000		1	ug/L	WA
		Tin, total recoverable		<70	< EQL	U	1	ug/L	WA
		Total dissolved solids		137000			1	ug/L	WA
		Zinc, total recoverable		<53	< EQL	U	1	ug/L	WA
Organics									
		1,1,1-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane		<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether		<10	< EQL	U	1	ug/L	WA
		Benzene		<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane		<5	< EQL	U	1	ug/L	WA
		Bromoform		<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)		<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride		<5	< EQL	U	1	ug/L	WA
		Chlorobenzene		<5	< EQL	U	1	ug/L	WA
		Chloroethane		<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)		<10	< EQL	U	1	ug/L	WA
		Chloroform		<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)		<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane		<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)		<12.2	< EQL	U	1	ug/L	WA
		Ethylbenzene		<5	< EQL	U	1	ug/L	WA
		Phenols		<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene		<5	< EQL	U	1	ug/L	WA
		Toluene		<5	< EQL	U	1	ug/L	WA
		Total organic carbon		<5000	< EQL	U	1	ug/L	WA
		Total organic halogens		25.5	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		trans-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF

WELL BGO 20AA

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		Trichloroethylene		<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane		<5	< EQL	U	1	ug/L	WA
Radionuclides									
		Carbon-14		-1.43	< EQL	U	1	pCi/L	GP
		Gross alpha		.464	< EQL	U	1	pCi/L	GP
		Nonvolatile beta		7.95	< 50		1	pCi/L	GP
		Radium-226		1.84	NDD	J	1	pCi/L	GP
		Radium-228		.39	< EQL	U	1	pCi/L	GP
		Strontium-90		.0446	< EQL	U	1	pCi/L	GP
		Tritium		-.113	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF**WELL BGO 20B**

<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>
N 74951.5 E 57119.8	33.28474 Deg N -81.6620 Deg W	141 - 131 ft msl	283.5 ft msl	2 " PVC	V	LAZ_UTRA

SAMPLE DATE 04/14/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	227.2	Not Available	ft msl
pH	6.5		pH
Sp. Conductance	95		uS/cm
Water temperature	21.4		deg. C
Total Alkalinity as CaCO ₃	33		mg/L
Phenolphthalein Alkalinity as CaCO ₃			mg/L
Turbidity	.2		NTU
Volumes purged	3.17		well volume
Sampling code			
Synchronous water level	227.1 (06/24/99)		ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable							
		Arsenic, total recoverable							
		Barium, total recoverable							
		Boron, total recoverable							
		Cadmium, total recoverable							
		Chromium, total recoverable							
		Copper, total recoverable							
		Lead, total recoverable							
		Lithium, total recoverable							
		Mercury, total recoverable							
		Nickel, total recoverable							
		Selenium, total recoverable							
		Silver, total recoverable							
		Sulfate							
		Tin, total recoverable							
		Total dissolved solids							
		Zinc, total recoverable							
Organics									
		1,1,1-Trichloroethane	<5					ug/L	
		1,1,2,2-Tetrachloroethane	<5					ug/L	
		1,1,2-Trichloroethane	<5					ug/L	
		1,1-Dichloroethane	<5					ug/L	
		1,1-Dichloroethylene	<5					ug/L	
		1,2-Dichloroethane	<5					ug/L	
		1,2-Dichloropropane	<5					ug/L	
		2-Chloroethyl vinyl ether	<10					ug/L	
		Benzene	<5					ug/L	
		Bromodichloromethane	<5					ug/L	
		Bromoform	<5					ug/L	
		Bromomethane (Methyl bromide)	<10					ug/L	
		Carbon tetrachloride	<5					ug/L	
		Chlorobenzene	<5					ug/L	
		Chloroethane	<10					ug/L	
		Chloroethene (Vinyl chloride)	<10					ug/L	
		Chloroform	<5					ug/L	
		Chloromethane (Methyl chloride)	<10					ug/L	
		cis-1,3-Dichloropropene	<5					ug/L	
		Dibromochloromethane	<5					ug/L	
		Dichloromethane (Methylene chloride)	<5					ug/L	
		Ethylbenzene	<5					ug/L	
		Phenols							
		Tetrachloroethylene	<5					ug/L	
		Toluene	<5					ug/L	
		Total organic carbon							
		Total organic halogens							
		trans-1,2-Dichloroethylene	<5					ug/L	
		trans-1,3-Dichloropropene	<5					ug/L	

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF

WELL BGO 20B

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		Trichloroethylene	<5					ug/L	
		Trichlorofluoromethane	<5					ug/L	
Radionuclides									
		Carbon-14							
		Gross alpha	.5					pCi/L	
		Nonvolatile beta	.29					pCi/L	
		Radium-226							
		Radium-228							
		Strontium-90							
		Tritium	.03					pCi/mL	

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF**WELL BGO 35C**

<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>
N 73953.9 E 56545.7	33.28160 Deg N -81.6616 Deg W	171.9 - 161.9 ft msl	273.4 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE	11/10/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	227.92	ft msl
pH		6.2	pH
Sp. Conductance		38	uS/cm
Water temperature		20.6	deg. C
Total Alkalinity as CaCO3		1	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		.5	NTU
Volumes purged		2.57	well volume
Sampling code			
Synchronous water level		228.4 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable		<3.3	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable		<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable		14.9	< 2000		1	ug/L	WA
		Boron, total recoverable		<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable		<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable		2	NDD	J	1	ug/L	WA
		Copper, total recoverable		<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable		<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable		1.2	NDD	J	1	ug/L	WA
		Mercury, total recoverable		<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable		<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable		<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable		<.59	< EQL	JU	1	ug/L	WA
		Sulfate		286	NDD	J	1	ug/L	WA
		Tin, total recoverable		<70	< EQL	U	1	ug/L	WA
		Total dissolved solids		<27000	< EQL	JU	1	ug/L	WA
		Zinc, total recoverable		<53	< EQL	U	1	ug/L	WA
Organics									
		1,1,1-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane		<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether		<10	< EQL	U	1	ug/L	WA
		Benzene		<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane		<5	< EQL	U	1	ug/L	WA
		Bromoform		<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)		<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride		<5	< EQL	U	1	ug/L	WA
		Chlorobenzene		<5	< EQL	U	1	ug/L	WA
		Chloroethane		<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)		<10	< EQL	U	1	ug/L	WA
		Chloroform		<1.04	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)		<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane		<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)		<5.51	< EQL	U	1	ug/L	WA
		Ethylbenzene		<5	< EQL	U	1	ug/L	WA
		Phenols		<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene		<5	< EQL	U	1	ug/L	WA
		Toluene		<5	< EQL	U	1	ug/L	WA
		Total organic carbon		<445	< EQL	U	1	ug/L	WA
		Total organic halogens		30.9	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		trans-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF

WELL BGO 35C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
+		Trichloroethylene		14.8	> 5		1	ug/L	WA
		Trichlorofluoromethane		<5	< EQL	U	1	ug/L	WA
Radionuclides									
		Carbon-14		5.6	< EQL	U	1	pCi/L	GP
		Gross alpha		.0388	< EQL	U	1	pCi/L	GP
		Nonvolatile beta		.795	< EQL	U	1	pCi/L	GP
		Radium-226		3.8	< 5		1	pCi/L	GP
		Radium-228		.218	< EQL	U	1	pCi/L	GP
		Strontium-90		~.187	< EQL	U	1	pCi/L	GP
+		Tritium		245	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF**WELL BGO 37C**

<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>
N 73498.2 E 57279.2	33.28179 Deg N -81.6587 Deg W	178.8 - 168.8 ft msl	286.3 ft msl	4 " PVC	S	LAZ_UTRA

SAMPLE DATE 11/29/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	230.55	ft msl
pH		4.4	pH
Sp. Conductance		39	uS/cm
Water temperature		20.2	deg. C
Total Alkalinity as CaCO3		0	mg/L
Phenolphthalein Alkalinity as CaCO3		0	mg/L
Turbidity		.4	NTU
Volumes purged		2.53	well volume
Sampling code			
Synchronous water level		231.5 (12/08/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable		<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable		<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable		9.3	< 2000		1	ug/L	WA
		Boron, total recoverable		<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable		<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable		<7	< EQL	U	1	ug/L	WA
		Copper, total recoverable		14	NDD	J	1	ug/L	WA
		Lead, total recoverable		<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable		.67	NDD	J	1	ug/L	WA
		Mercury, total recoverable		1.53	< 2		1	ug/L	WA
		Nickel, total recoverable		<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable		<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable		<5	< EQL	U	1	ug/L	WA
		Sulfate		634	< 400000		1	ug/L	WA
		Tin, total recoverable		<70	< EQL	U	1	ug/L	WA
		Total dissolved solids		151000	NDD	J	1	ug/L	WA
		Zinc, total recoverable		7.6	NDD	J	1	ug/L	WA
Organics									
		1,1,1-Trichloroethane		<25	< EQL	U	5	ug/L	WA
		1,1,2,2-Tetrachloroethane		<25	< EQL	U	5	ug/L	WA
		1,1,2-Trichloroethane		<25	< EQL	U	5	ug/L	WA
+		1,1-Dichloroethane		47	> 20		5	ug/L	WA
		1,1-Dichloroethylene		23.4	> 7	J	5	ug/L	WA
		1,2-Dichloroethane		<25	< EQL	U	5	ug/L	WA
		1,2-Dichloropropane		<25	< EQL	U	5	ug/L	WA
		2-Chloroethyl vinyl ether							
		Benzene		<25	< EQL	U	5	ug/L	WA
		Bromodichloromethane		<25	< EQL	U	5	ug/L	WA
		Bromoform		<25	< EQL	U	5	ug/L	WA
		Bromomethane (Methyl bromide)		<50	< EQL	U	5	ug/L	WA
		Carbon tetrachloride		<25	< EQL	U	5	ug/L	WA
		Chlorobenzene		<25	< EQL	U	5	ug/L	WA
		Chloroethane		<50	< EQL	U	5	ug/L	WA
		Chloroethene (Vinyl chloride)		<50	< EQL	U	5	ug/L	WA
		Chloroform		71.2	< 100		5	ug/L	WA
		Chloromethane (Methyl chloride)		<50	< EQL	U	5	ug/L	WA
		cis-1,3-Dichloropropene		<25	< EQL	U	5	ug/L	WA
		Dibromochloromethane		<25	< EQL	U	5	ug/L	WA
		Dichloromethane (Methylene chloride)		<25	< EQL	U	5	ug/L	WA
		Ethylbenzene		<25	< EQL	U	5	ug/L	WA
		Phenols		<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene		20	> 5	J	5	ug/L	WA
		Toluene		<25	< EQL	U	5	ug/L	WA
		Total organic carbon		503	NDD	J	1	ug/L	WA
+		Total organic halogens		1030	> 100		5	ug/L	WA
		trans-1,2-Dichloroethylene							
		trans-1,3-Dichloropropene		<25	< EQL	U	5	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF

WELL BGO 37C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
+		Trichloroethylene		484	> 5		5	ug/L	WA
		Trichlorofluoromethane		<25	< EQL	U	5	ug/L	WA
Radionuclides									
		Carbon-14		94.9	< 2000		1	pCi/L	GP
		Gross alpha		1.94	< 15		1	pCi/L	GP
		Nonvolatile beta		2.15	< EQL	U	1	pCi/L	GP
		Radium-226		0	< EQL	U	1	pCi/L	GP
		Radium-228		.799	< EQL	U	1	pCi/L	GP
		Strontium-90		.211	< EQL	U	1	pCi/L	GP
+		Tritium		101000	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF**WELL BGO 39C**

<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>
N 73563.3 E 57816.1	33.28281 Deg N -81.6575 Deg W	184.9 - 174.9 ft msl	296.4 ft msl	2 " PVC	V	LAZ_UTRA

SAMPLE DATE 04/14/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	231.62	Not Available	ft msl
pH	6		pH
Sp. Conductance	45		uS/cm
Water temperature	20.1		deg. C
Total Alkalinity as CaCO3	13		mg/L
Phenolphthalein Alkalinity as CaCO3			mg/L
Turbidity	.7		NTU
Volumes purged	4.01		well volume
Sampling code			
Synchronous water level	232.2 (06/25/99)		ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable							
		Arsenic, total recoverable							
		Barium, total recoverable							
		Boron, total recoverable							
		Cadmium, total recoverable							
		Chromium, total recoverable							
		Copper, total recoverable							
		Lead, total recoverable							
		Lithium, total recoverable							
		Mercury, total recoverable							
		Nickel, total recoverable							
		Selenium, total recoverable							
		Silver, total recoverable							
		Sulfate							
		Tin, total recoverable							
		Total dissolved solids							
		Zinc, total recoverable							
Organics									
		1,1,1-Trichloroethane	<5					ug/L	
		1,1,2,2-Tetrachloroethane	<5					ug/L	
		1,1,2-Trichloroethane	<5					ug/L	
		1,1-Dichloroethane	<5					ug/L	
		1,1-Dichloroethylene	<5					ug/L	
		1,2-Dichloroethane	<5					ug/L	
		1,2-Dichloropropane	<5					ug/L	
		2-Chloroethyl vinyl ether	<10					ug/L	
		Benzene	<5					ug/L	
		Bromodichloromethane	<5					ug/L	
		Bromoform	<5					ug/L	
		Bromomethane (Methyl bromide)	<10					ug/L	
		Carbon tetrachloride	<5					ug/L	
		Chlorobenzene	<5					ug/L	
		Chloroethane	<10					ug/L	
		Chloroethene (Vinyl chloride)	<10					ug/L	
		Chloroform	<5					ug/L	
		Chloromethane (Methyl chloride)	<10					ug/L	
		cis-1,3-Dichloropropene	<5					ug/L	
		Dibromochloromethane	<5					ug/L	
		Dichloromethane (Methylene chloride)	<8.43					ug/L	
		Ethylbenzene	<5					ug/L	
		Phenols							
		Tetrachloroethylene	<5					ug/L	
		Toluene	<5					ug/L	
		Total organic carbon							
		Total organic halogens							
		trans-1,2-Dichloroethylene	<5					ug/L	
		trans-1,3-Dichloropropene	<5					ug/L	

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF

WELL BGO 39C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		Trichloroethylene	<5					ug/L	
		Trichlorofluoromethane	<5					ug/L	
Radionuclides									
		Carbon-14							
		Gross alpha	.23					pCi/L	
		Nonvolatile beta	.34					pCi/L	
		Radium-226							
		Radium-228							
		Strontium-90							
		Tritium	5.07					pCi/mL	

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF**WELL BGO 47A**

<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>
N 74728.8 E 54914	33.28065 Deg N -81.6674 Deg W	96.8 - 86.8 ft msl	266.9 ft msl	4 " PVC	S	GA

SAMPLE DATE 11/30/99

FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	Not Available	161.39	ft msl
pH		10.1	pH
Sp. Conductance		194	uS/cm
Water temperature		19.6	deg. C
Total Alkalinity as CaCO3		88	mg/L
Phenolphthalein Alkalinity as CaCO3		45	mg/L
Turbidity		.5	NTU
Volumes purged		2.95	well volume
Sampling code			
Synchronous water level		161.5 (12/09/99)	ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable		<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable		<7.3	< EQL	U	1	ug/L	WA
		Barium, total recoverable		64.4	< 2000		1	ug/L	WA
		Boron, total recoverable		<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable		<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable		2.7	NDD	J	1	ug/L	WA
		Copper, total recoverable		<4.2	< EQL	U	1	ug/L	WA
		Lead, total recoverable		<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable		16.3	< 250		1	ug/L	WA
		Mercury, total recoverable		<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable		<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable		<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable		<5	< EQL	U	1	ug/L	WA
		Sulfate		6300	< 400000		1	ug/L	WA
		Tin, total recoverable		<70	< EQL	U	1	ug/L	WA
		Total dissolved solids		124000			1	ug/L	WA
		Zinc, total recoverable		13	NDD	J	1	ug/L	WA
Organics									
		1,1,1-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene		<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane		<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether		<10	< EQL	U	1	ug/L	WA
		Benzene		<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane		<5	< EQL	U	1	ug/L	WA
		Bromoform		<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)		<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride		<5	< EQL	U	1	ug/L	WA
		Chlorobenzene		<5	< EQL	U	1	ug/L	WA
		Chloroethane		<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)		<10	< EQL	U	1	ug/L	WA
		Chloroform		<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)		<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane		<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)		<5.92	< EQL	U	1	ug/L	WA
		Ethylbenzene		<5	< EQL	U	1	ug/L	WA
		Phenols		<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene		<5	< EQL	U	1	ug/L	WA
		Toluene		<5	< EQL	U	1	ug/L	WA
		Total organic carbon		<570	< EQL	U	1	ug/L	WA
		Total organic halogens		30.6	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		trans-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF

WELL BGO 47A

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		Trichloroethylene		<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane		<5	< EQL	U	1	ug/L	WA
Radionuclides									
		Carbon-14		.081	< EQL	U	1	pCi/L	GP
		Gross alpha		1.41	NDD	J	1	pCi/L	GP
		Nonvolatile beta		1.5	NDD	J	1	pCi/L	GP
		Radium-226		.455	< EQL	U	1	pCi/L	GP
		Radium-228		.47	< EQL	U	1	pCi/L	GP
		Strontium-90		.264	< EQL	U	1	pCi/L	GP
		Tritium		2.9	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF**WELL BGO 52C**

<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>
N 74622 E 57195.5	33.28414 Deg N -81.6611 Deg W	188.7 - 178.7 ft msl	284.5 ft msl	2 " PVC	V	LAZ_UTRA

SAMPLE DATE	04/14/99
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FIELD DATA

<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Unit</u>
Water Elevation	229.24	Not Available	ft msl
pH	5		pH
Sp. Conductance	21		uS/cm
Water temperature	20.1		deg. C
Total Alkalinity as CaCO3	1		mg/L
Phenolphthalein Alkalinity as CaCO3			mg/L
Turbidity	.3		NTU
Volumes purged	3.50		well volume
Sampling code			
Synchronous water level	229.3 (06/24/99)		ft msl

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable							
		Arsenic, total recoverable							
		Barium, total recoverable							
		Boron, total recoverable							
		Cadmium, total recoverable							
		Chromium, total recoverable							
		Copper, total recoverable							
		Lead, total recoverable							
		Lithium, total recoverable							
		Mercury, total recoverable							
		Nickel, total recoverable							
		Selenium, total recoverable							
		Silver, total recoverable							
		Sulfate							
		Tin, total recoverable							
		Total dissolved solids							
		Zinc, total recoverable							
Organics									
		1,1,1-Trichloroethane	<5					ug/L	
		1,1,2,2-Tetrachloroethane	<5					ug/L	
		1,1,2-Trichloroethane	<5					ug/L	
		1,1-Dichloroethane	<5					ug/L	
		1,1-Dichloroethylene	<5					ug/L	
		1,2-Dichloroethane	<5					ug/L	
		1,2-Dichloropropane	<5					ug/L	
		2-Chloroethyl vinyl ether	<10					ug/L	
		Benzene	<5					ug/L	
		Bromodichloromethane	<5					ug/L	
		Bromoform	<5					ug/L	
		Bromomethane (Methyl bromide)	<10					ug/L	
		Carbon tetrachloride	<5					ug/L	
		Chlorobenzene	<5					ug/L	
		Chloroethane	<10					ug/L	
		Chloroethene (Vinyl chloride)	<10					ug/L	
		Chloroform	<5					ug/L	
		Chloromethane (Methyl chloride)	<10					ug/L	
		cis-1,3-Dichloropropene	<5					ug/L	
		Dibromochloromethane	<5					ug/L	
		Dichloromethane (Methylene chloride)	<7.21					ug/L	
		Ethylbenzene	<5					ug/L	
		Phenols							
		Tetrachloroethylene	<5					ug/L	
		Toluene	<5					ug/L	
		Total organic carbon							
		Total organic halogens							
		trans-1,2-Dichloroethylene	<5					ug/L	
		trans-1,3-Dichloropropene	<5					ug/L	

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in *italics* are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5A. Groundwater Monitoring Results for QA Wells, MWMF

WELL BGO 52C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		Trichloroethylene	<5					ug/L	
		Trichlorofluoromethane	<5					ug/L	
Radionuclides									
		Carbon-14							
		Gross alpha	.4					pCi/L	
		Nonvolatile beta	.5					pCi/L	
		Radium-226							
		Radium-228							
		Strontium-90							
		Tritium	.42					pCi/mL	

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

**Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF
WELL BGO 1D**

SAMPLE DATE 05/17/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		Phenols	<37					ug/L	
		Total organic halogens	<120					ug/L	

Notes: Concentrations in bold Italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in Italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 2D

SAMPLE DATE		06/21/99	11/03/99						
ANALYTICAL DATA									
H	ST	Parameter	2Q99	4Q99	Filt.	Mod	DF	Unit	Lab
Inorganics									
		Antimony, total recoverable		<2.8	< EQL	JU	1	ug/L	WA
		Arsenic, total recoverable		<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable		18.3	< 2000		1	ug/L	WA
		Boron, total recoverable		27.2	NDD	J	1	ug/L	WA
		Cadmium, total recoverable		<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable		2.8	NDD	J	1	ug/L	WA
		Copper, total recoverable		<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable		<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable		.46	NDD	J	1	ug/L	WA
		Mercury, total recoverable		<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable		<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable		<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable		<5	< EQL	U	1	ug/L	WA
		Tin, total recoverable		<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	38000	34000	NDD	J	1	ug/L	WA
		Zinc, total recoverable		<53	< EQL	U	1	ug/L	WA
Organics									
		1,1,1-Trichloroethane	<5					ug/L	
		1,1,2,2-Tetrachloroethane	<5					ug/L	
		1,1,2-Trichloroethane	<5					ug/L	
		1,1-Dichloroethane	<5					ug/L	
		1,1-Dichloroethylene	<5					ug/L	
		1,2-Dichloroethane	<5					ug/L	
		1,2-Dichloropropane	<5					ug/L	
		2-Chloroethyl vinyl ether	<10					ug/L	
		Benzene	<5					ug/L	
		Bromodichloromethane	<5					ug/L	
		Bromoform	<5					ug/L	
		Bromomethane (Methyl bromide)	<10					ug/L	
		Carbon tetrachloride	<5					ug/L	
		Chlorobenzene	<5					ug/L	
		Chloroethane	<10					ug/L	
		Chloroethene (Vinyl chloride)	<10					ug/L	
		Chloroform	<5					ug/L	
		Chloromethane (Methyl chloride)	<10					ug/L	
		cis-1,3-Dichloropropene	<5					ug/L	
		Dibromochloromethane	<5					ug/L	
		Dichloromethane (Methylene chloride)	<5					ug/L	
		Ethylbenzene	<5					ug/L	
		Phenols	<37	<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5					ug/L	
		Toluene	<5					ug/L	
		trans-1,2-Dichloroethylene	<5					ug/L	
		trans-1,3-Dichloropropene	<5					ug/L	
		Trichloroethylene	<5					ug/L	
		Trichlorofluoromethane	<5					ug/L	
Radionuclides									
		Carbon-14	.763					pCi/L	
		Strontium-90	-.0297					pCi/L	
		Tritium	18.7					pCi/mL	

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 3A

SAMPLE DATE 05/18/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable	<27					ug/L	
		Arsenic, total recoverable	<40					ug/L	
		Barium, total recoverable	74.1					ug/L	
		Boron, total recoverable	<266					ug/L	
		Cadmium, total recoverable	<4.7					ug/L	
		Chromium, total recoverable	3					ug/L	
		Copper, total recoverable	2.3					ug/L	
		Lead, total recoverable	<47					ug/L	
		Lithium, total recoverable	<3					ug/L	
		Mercury, total recoverable	<.71					ug/L	
		Nickel, total recoverable	<26					ug/L	
		Selenium, total recoverable	<66					ug/L	
		Silver, total recoverable	<5					ug/L	
		Sulfate	5400					ug/L	
		Tin, total recoverable	<70					ug/L	
		Zinc, total recoverable	<53					ug/L	
Radionuclides									
		Gross alpha	1.82					pCi/L	
		Nonvolatile beta	1.42					pCi/L	

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 3C

SAMPLE DATE			05/19/99	11/03/99					
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable	<27					ug/L	
		Arsenic, total recoverable	<40					ug/L	
		Barium, total recoverable	10.3					ug/L	
		Boron, total recoverable	<266					ug/L	
		Cadmium, total recoverable	<4.7					ug/L	
		Chromium, total recoverable	5.5					ug/L	
		Copper, total recoverable	2.6					ug/L	
		Lead, total recoverable	<47					ug/L	
		Lithium, total recoverable	<1.9					ug/L	
		Mercury, total recoverable	<.71					ug/L	
		Nickel, total recoverable	4.7					ug/L	
		Selenium, total recoverable	<66					ug/L	
		Silver, total recoverable	<5					ug/L	
		Sulfate	1020	1030	< 400000		1	ug/L	WA
		Tin, total recoverable	<70					ug/L	
		Zinc, total recoverable	5.5					ug/L	
Organics									
		Phenols	<37					ug/L	
		Total organic halogens		17.1	NDD	J	1	ug/L	WA
Radionuclides									
		Carbon-14	1.33					pCi/L	

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 3DR

SAMPLE DATE		05/24/99	11/18/99						
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable		<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable		<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable		14	< 2000		1	ug/L	WA
		Boron, total recoverable		<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable		<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable		1.3	NDD	J	1	ug/L	WA
		Copper, total recoverable		26.9	< 1000		1	ug/L	WA
		Lead, total recoverable		7.4	NDD	J	1	ug/L	WA
		Lithium, total recoverable		.92	NDD	J	1	ug/L	WA
		Mercury, total recoverable		<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable		<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable		<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable		<5	< EQL	U	1	ug/L	WA
		Sulfate	542	417	< 400000		1	ug/L	WA
		Tin, total recoverable		<70	< EQL	U	1	ug/L	WA
		Zinc, total recoverable		18.7	NDD	J	1	ug/L	WA
Radionuclides									
		Carbon-14		8.9	< EQL	U	1	pCi/L	GP
		Gross alpha		2.2	NDD	J	1	pCi/L	GP
		Nonvolatile beta		4.69	< 50		1	pCi/L	GP
		Radium-226		2.48	NDD	J	1	pCi/L	GP
		Radium-228		-.282	< EQL	U	1	pCi/L	GP
		Strontium-90		.153	< EQL	JU	1	pCi/L	GP
+		Tritium		1150	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 4D

SAMPLE DATE 05/18/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
		Organics							
		Total organic halogens	<120					ug/L	

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 5C

SAMPLE DATE				11/03/99					
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Radionuclides									
	+	Tritium		66.4	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.
 * = exceeded holding time for Fourth Quarter 1999.
 + = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 5D

SAMPLE DATE

11/30/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable		<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable		<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable		43.6	< 2000		1	ug/L	WA
		Boron, total recoverable		<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable		<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable		<2.7	< EQL	U	1	ug/L	WA
		Copper, total recoverable		23.9	< 1000		1	ug/L	WA
		Lead, total recoverable		<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable		.44	NDD	J	1	ug/L	WA
		Nickel, total recoverable		<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable		<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable		<5	< EQL	U	1	ug/L	WA
		Tin, total recoverable		<70	< EQL	U	1	ug/L	WA
		Zinc, total recoverable		16.3	NDD	J	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF**WELL BGO 6A**

SAMPLE DATE			11/17/99						
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Total dissolved solids		224000			1	ug/L	GE
Organics									
		1,1,1-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane		<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether		<10	< EQL	U	1	ug/L	WA
		Benzene		<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane		<5	< EQL	U	1	ug/L	WA
		Bromoform		<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)		<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride		<5	< EQL	U	1	ug/L	WA
		Chlorobenzene		<5	< EQL	U	1	ug/L	WA
		Chloroethane		<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)		<10	< EQL	U	1	ug/L	WA
		Chloroform		<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)		<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane		<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)		<5.38	< EQL	U	1	ug/L	WA
		Ethylbenzene		<5	< EQL	U	1	ug/L	WA
		Phenols		<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene		<5	< EQL	U	1	ug/L	WA
		Toluene		<5	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		trans-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA
		Trichloroethylene		<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane		<5	< EQL	U	1	ug/L	WA
Radionuclides									
		Gross alpha		.92	< EQL	U	1	pCi/L	TM
		Nonvolatile beta		-4.66	< EQL	U	1	pCi/L	TM
		Radium-226		.43	< EQL	U	1	pCi/L	TM
		Radium-228		1.8	< EQL	U	1	pCi/L	TM
		Strontium-90		1.14	< EQL	U	1	pCi/L	TM
		Tritium		.14	< EQL	U	1	pCi/mL	TM

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 6B

SAMPLE DATE	05/19/99	11/03/99					
ANALYTICAL DATA							
<u>H</u> <u>ST</u> <u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics							
Total organic halogens	<120					ug/L	
Radionuclides							
Radium-228		.321	< EQL	U	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 6C

SAMPLE DATE				11/20/99					
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Sulfate		<561	< EQL	U	1	ug/L	WA
		Total dissolved solids		<64000	< EQL	JU	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in Italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

**Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF
WELL BGO 7D**

SAMPLE DATE		05/25/99	11/15/99						
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable	<27					ug/L	
		Arsenic, total recoverable	<40					ug/L	
		Barium, total recoverable	5.9					ug/L	
		Boron, total recoverable	<266					ug/L	
		Cadmium, total recoverable	<4.7					ug/L	
		Chromium, total recoverable	<7					ug/L	
		Copper, total recoverable	<15					ug/L	
		Lead, total recoverable	<47					ug/L	
		Lithium, total recoverable	.43					ug/L	
		Mercury, total recoverable	<.71					ug/L	
		Nickel, total recoverable	<26					ug/L	
		Selenium, total recoverable	<66					ug/L	
		Silver, total recoverable	<5					ug/L	
		Tin, total recoverable	<70					ug/L	
		Zinc, total recoverable	<53					ug/L	
Organics									
		Phenols	<37					ug/L	
		Total organic carbon		581	NDD	J	1	ug/L	WA
Radionuclides									
		Gross alpha	1.89	.				pCi/L	
		Nonvolatile beta	.408					pCi/L	

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF**WELL BGO 8C****SAMPLE DATE**

11/20/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		Total organic halogens		19.6	NDD	J	1	ug/L	WA
Radionuclides									
		Gross alpha		.14	< EQL	U	1	pCi/L	TM
		Nonvolatile beta		.43	< EQL	U	1	pCi/L	TM
		Radium-226		.23	< EQL	U	1	pCi/L	TM
		Radium-228		-.37	< EQL	U	1	pCi/L	TM
		Strontium-90		.4	< EQL	U	1	pCi/L	TM
+		Tritium		52	> 20		1	pCi/mL	TM

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF**WELL BGO 9AA**

SAMPLE DATE

11/12/99

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		1,1,1-Trichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1,2,2-Tetrachloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1,2-Trichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethylene		<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloropropane		<5	< EQL	JU	1	ug/L	WA
		2-Chloroethyl vinyl ether		<10	< EQL	JU	1	ug/L	WA
		Benzene		<5	< EQL	JU	1	ug/L	WA
		Bromodichloromethane		<5	< EQL	JU	1	ug/L	WA
		Bromoform		<5	< EQL	JU	1	ug/L	WA
		Bromomethane (Methyl bromide)		<10	< EQL	JU	1	ug/L	WA
		Carbon tetrachloride		<5	< EQL	JU	1	ug/L	WA
		Chlorobenzene		<5	< EQL	JU	1	ug/L	WA
		Chloroethane		<10	< EQL	JU	1	ug/L	WA
		Chloroethene (Vinyl chloride)		<10	< EQL	JU	1	ug/L	WA
		Chloroform		<5	< EQL	JU	1	ug/L	WA
		Chloromethane (Methyl chloride)		<10	< EQL	JU	1	ug/L	WA
		cis-1,3-Dichloropropene		<5	< EQL	JU	1	ug/L	WA
		Dibromochloromethane		<5	< EQL	JU	1	ug/L	WA
		Dichloromethane (Methylene chloride)		<5.84	< EQL	JU	1	ug/L	WA
		Ethylbenzene		<5	< EQL	JU	1	ug/L	WA
		Tetrachloroethylene		<5	< EQL	JU	1	ug/L	WA
		Toluene		2.13	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene		<5	< EQL	JU	1	ug/L	WA
		trans-1,3-Dichloropropene		<5	< EQL	JU	1	ug/L	WA
		Trichloroethylene		<5	< EQL	JU	1	ug/L	WA
		Trichlorofluoromethane		<5	< EQL	JU	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF**WELL BGO 10AR**

SAMPLE DATE			05/06/99	11/19/99					
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Total dissolved solids		<47000	< EQL	U	1	ug/L	GE
Organics									
		1,1,1-Trichloroethane	<5					ug/L	
		1,1,2,2-Tetrachloroethane	<5					ug/L	
		1,1,2-Trichloroethane	<5					ug/L	
		1,1-Dichloroethane	<5					ug/L	
		1,1-Dichloroethylene	<5					ug/L	
		1,2-Dichloroethane	<5					ug/L	
		1,2-Dichloropropane	<5					ug/L	
		2-Chloroethyl vinyl ether	<10					ug/L	
		Benzene	<5					ug/L	
		Bromodichloromethane	<5					ug/L	
		Bromoform	<5					ug/L	
		Bromomethane (Methyl bromide)	<10					ug/L	
		Carbon tetrachloride	<5					ug/L	
		Chlorobenzene	<5					ug/L	
		Chloroethane	<10					ug/L	
		Chloroethene (Vinyl chloride)	<10					ug/L	
		Chloroform	<5					ug/L	
		Chloromethane (Methyl chloride)	<10					ug/L	
		cis-1,3-Dichloropropene	<5					ug/L	
		Dibromochloromethane	<5					ug/L	
		Dichloromethane (Methylene chloride)	<5.25					ug/L	
		Ethylbenzene	<5					ug/L	
		Phenols	<37					ug/L	
		Tetrachloroethylene	<5					ug/L	
		Toluene	<5					ug/L	
		trans-1,2-Dichloroethylene	<5					ug/L	
		trans-1,3-Dichloropropene	<5					ug/L	
		Trichloroethylene	<5					ug/L	
		Trichlorofluoromethane	<5					ug/L	
Radionuclides									
		Carbon-14		-3.37	< EQL	U	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 10DR

SAMPLE DATE 05/06/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Sulfate	960					ug/L	
		Total dissolved solids	53000					ug/L	
Radionuclides									
		Carbon-14	115					pCi/L	
		Strontium-90	-.102					pCi/L	
		Tritium	11.9					pCi/mL	

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

**Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF
WELL BGO 11DR**

SAMPLE DATE		05/17/99	11/11/99						
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable		<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable		<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable		7.8	< 2000		1	ug/L	WA
		Boron, total recoverable		<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable		<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable		<.94	< EQL	JU	1	ug/L	WA
		Copper, total recoverable		<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable		<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable		.41	NDD	J	1	ug/L	WA
		Nickel, total recoverable		<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable		<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable		<5	< EQL	U	1	ug/L	WA
		Tin, total recoverable		<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	30000	17000	NDD	J	1	ug/L	WA
		Zinc, total recoverable		<53	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.
 * = exceeded holding time for Fourth Quarter 1999.
 + = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 12AX

SAMPLE DATE 11/03/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Radionuclides									
		Gross alpha		.317	< EQL	U	1	pCi/L	GP
		Nonvolatile beta		2.71	< 50		1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF**WELL BGO 12CX**

SAMPLE DATE

11/09/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable		<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable		<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable		7.7	< 2000		1	ug/L	WA
		Boron, total recoverable		<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable		<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable		1.9	NDD	J	1	ug/L	WA
		Copper, total recoverable		4.1	NDD	J	1	ug/L	WA
		Lead, total recoverable		<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable		1.4	NDD	J	1	ug/L	WA
		Mercury, total recoverable		<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable		<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable		<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable		<5	< EQL	U	1	ug/L	WA
		Sulfate		697	< 400000		1	ug/L	WA
		Tin, total recoverable		<70	< EQL	U	1	ug/L	WA
		Zinc, total recoverable		25.4	NDD	J	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in *italics* are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 12DR

SAMPLE DATE		05/17/99	11/18/99						
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable		<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable		<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable		55.2	< 2000		1	ug/L	WA
		Boron, total recoverable		<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable		<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable		2.2	NDD	J	1	ug/L	WA
		Copper, total recoverable		<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable		<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable		12.7	< 250		1	ug/L	WA
		Mercury, total recoverable		<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable		<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable		<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable		<5	< EQL	U	1	ug/L	WA
		Tin, total recoverable		<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	203000	130000			1	ug/L	WA
		Zinc, total recoverable		<53	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

**Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF
WELL BGO 13DR**

SAMPLE DATE 05/20/99

ANALYTICAL DATA

H	ST	Parameter	2Q99	4Q99	Filt.	Mod	DF	Unit	Lab
Inorganics									
		Antimony, total recoverable		<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable		<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable		39.6	< 2000		1	ug/L	WA
		Boron, total recoverable		37.2	NDD	J	1	ug/L	WA
		Cadmium, total recoverable		<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable		14.1	< 100		1	ug/L	WA
		Copper, total recoverable		4.7	NDD	J	1	ug/L	WA
		Lead, total recoverable		<22.3	< EQL	U	1	ug/L	WA
		Lithium, total recoverable		24.4	< 250		1	ug/L	WA
		Mercury, total recoverable		<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable		8	NDD	J	1	ug/L	WA
		Selenium, total recoverable		<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable		<5	< EQL	U	1	ug/L	WA
		Sulfate	2160					ug/L	
		Tin, total recoverable		<70	< EQL	U	1	ug/L	WA
		Total dissolved solids		47000	NDD	J	1	ug/L	WA
		Zinc, total recoverable		23.7	NDD	J	1	ug/L	WA
Organics									
		1,1,1-Trichloroethane	<5	<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane	<5	<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane	<5	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane	<5	<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene	<5	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane	<5	<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane	<5	<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether	<10	<10	< EQL	U	1	ug/L	WA
		Benzene	<5	<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane	<5	<5	< EQL	U	1	ug/L	WA
		Bromoform	<5	<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)	<10	<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride	<5	<5	< EQL	U	1	ug/L	WA
		Chlorobenzene	<5	<5	< EQL	U	1	ug/L	WA
		Chloroethane	<10	<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)	<10	<10	< EQL	U	1	ug/L	WA
		Chloroform	<5	<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)	<10	<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene	<5	<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane	<5	<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)	<6.01	<5	< EQL	U	1	ug/L	WA
		Ethylbenzene	<5	<5	< EQL	U	1	ug/L	WA
		Phenols		<37	< EQL	U	1	ug/L	WA
		Tetrachloroethylene	<5	<5	< EQL	U	1	ug/L	WA
		Toluene	<5	<5	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene	<5	<5	< EQL	U	1	ug/L	WA
		trans-1,3-Dichloropropene	<5	<5	< EQL	U	1	ug/L	WA
		Trichloroethylene	<5	<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane	<5	<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in *italics* are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 14DR

SAMPLE DATE 11/08/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Sulfate		1600	< 400000		1	ug/L	WA
Organics									
		Phenols		<37	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF**WELL BGO 15D**

SAMPLE DATE		05/24/99	11/08/99						
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable		<3.5	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable		<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable		11.4	< 2000		1	ug/L	WA
		Boron, total recoverable		<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable		<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable		4.2	NDD	J	1	ug/L	WA
		Copper, total recoverable		<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable		<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable		.41	NDD	J	1	ug/L	WA
		Mercury, total recoverable		<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable		<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable		<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable		<5	< EQL	U	1	ug/L	WA
		Tin, total recoverable		<70	< EQL	U	1	ug/L	WA
		Total dissolved solids	33000	46000	NDD	J	1	ug/L	WA
		Zinc, total recoverable		<53	< EQL	U	1	ug/L	WA
Organics									
		Total organic carbon	1780					ug/L	
Radionuclides									
		Carbon-14	15					pCi/L	
		Gross alpha	2.5					pCi/L	
		Nonvolatile beta	1.52					pCi/L	
		Strontium-90	0					pCi/L	
		Tritium	1466.88					pCi/mL	

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 16AR

SAMPLE DATE 11/30/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable		<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable		<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable		36.3	< 2000		1	ug/L	WA
		Boron, total recoverable		<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable		<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable		2.5	NDD	J	1	ug/L	WA
		Copper, total recoverable		<1.6	< EQL	U	1	ug/L	WA
		Lead, total recoverable		<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable		1.5	NDD	J	1	ug/L	WA
		Mercury, total recoverable		<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable		<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable		<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable		<.54	< EQL	U	1	ug/L	WA
		Sulfate		978	< 400000		1	ug/L	GE
		Tin, total recoverable		<70	< EQL	U	1	ug/L	WA
		Total dissolved solids		116000			1	ug/L	WA
		Zinc, total recoverable		<53	< EQL	U	1	ug/L	WA
Organics									
		Phenols		<37	< EQL	U	1	ug/L	WA
		Total organic halogens		13.7	NDD	J	1	ug/L	WA
Radionuclides									
		Gross alpha		1.32	< EQL	JU	1	pCi/L	TM
		Nonvolatile beta		4.55	< EQL	U	1	pCi/L	TM
		Radium-226		.11	< EQL	U	1	pCi/L	TM
		Radium-228		.38	< EQL	U	1	pCi/L	TM
		Strontium-90		-.47	< EQL	U	1	pCi/L	TM
		Tritium		4.93	NDD	J	1	pCi/mL	TM

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

**Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF
WELL BGO 16D**

SAMPLE DATE		05/18/99	11/29/99						
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable		<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable		4.3	NDD	J	1	ug/L	WA
		Barium, total recoverable		25.8	< 2000		1	ug/L	WA
		Boron, total recoverable		<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable		<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable		4.5	NDD	J	1	ug/L	WA
		Copper, total recoverable		47.8	< 1000		1	ug/L	WA
		Lead, total recoverable		46.8	NDD	J	1	ug/L	WA
		Lithium, total recoverable		10.4	< 250		1	ug/L	WA
		Mercury, total recoverable		<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable		5.6	NDD	J	1	ug/L	WA
		Selenium, total recoverable		<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable		<1.1	< EQL	U	1	ug/L	WA
		Tin, total recoverable		<70	< EQL	U	1	ug/L	WA
		Total dissolved solids		50000			1	ug/L	WA
		Zinc, total recoverable		53	< 5000		1	ug/L	WA
Radionuclides									
		Carbon-14	5.79					pCi/L	
		Strontium-90	.328	-.0583	< EQL	U	1	pCi/L	GP
		Tritium	214					pCi/mL	

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.
 * = exceeded holding time for Fourth Quarter 1999.
 + = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 18A

SAMPLE DATE			05/26/99	11/30/99					
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Radionuclides									
		Gross alpha	2.52					pCi/L	
		Nonvolatile beta	2.32					pCi/L	
		Strontium-90		.14	< EQL	U	1	pCi/L	TM

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF**WELL BGO 18D**

SAMPLE DATE 05/20/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Total dissolved solids	38000					ug/L	
Organics									
		Total organic carbon	441					ug/L	
		Total organic halogens	<120					ug/L	
Radionuclides									
		Strontium-90	-.724					pCi/L	

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 19DR

SAMPLE DATE 11/03/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		1,1,1-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,1,2,2-Tetrachloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane		<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether		<10	< EQL	U	1	ug/L	WA
		Benzene		<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane		<5	< EQL	U	1	ug/L	WA
		Bromoform		<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)		<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride		<5	< EQL	U	1	ug/L	WA
		Chlorobenzene		<5	< EQL	U	1	ug/L	WA
		Chloroethane		<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)		<10	< EQL	U	1	ug/L	WA
		Chloroform		<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)		<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane		<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)		<7.56	< EQL	U	1	ug/L	WA
		Ethylbenzene		<5	< EQL	U	1	ug/L	WA
		Tetrachloroethylene		<5	< EQL	U	1	ug/L	WA
		Toluene		<5	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		trans-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA
		Trichloroethylene		<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane		<5	< EQL	U	1	ug/L	WA
Radionuclides									
		Carbon-14		-.196	< EQL	U	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

**Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF
WELL BGO 20A**

SAMPLE DATE		05/19/99	11/05/99						
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Radionuclides									
		Gross alpha	1.34					pCi/L	
		Nonvolatile beta	12.6					pCi/L	
		Strontium-90		.405	< EQL	U	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.
 * = exceeded holding time for Fourth Quarter 1999.
 + = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 20AA

SAMPLE DATE		05/19/99	11/29/99						
ANALYTICAL DATA									
H	ST	Parameter	2Q99	4Q99	Filt.	Mod	DF	Unit	Lab
Inorganics									
		Sulfate		8430	< 400000		1	ug/L	GE
		Total dissolved solids		128000			1	ug/L	GE
Organics									
		Total organic halogens	<120					ug/L	
Radionuclides									
		Gross alpha		.53	< EQL	U	1	pCi/L	TM
		Nonvolatile beta		9.38	< 50		1	pCi/L	TM
		Radium-226		.82	Rejected	R	1	pCi/L	TM
		Radium-228		-.04	< EQL	U	1	pCi/L	TM
		Strontium-90		-.12	< EQL	U	1	pCi/L	TM
		Tritium		2.28	NDD	J	1	pCi/mL	TM

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF**WELL BGO 20B**

SAMPLE DATE 05/19/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		1,1,1-Trichloroethane	<5	<				ug/L	
		1,1,2,2-Tetrachloroethane	<5	<				ug/L	
		1,1,2-Trichloroethane	<5	<				ug/L	
		1,1-Dichloroethane	<5	<				ug/L	
		1,1-Dichloroethylene	<5	<				ug/L	
		1,2-Dichloroethane	<5	<				ug/L	
		1,2-Dichloropropane	<5	<				ug/L	
		2-Chloroethyl vinyl ether	<10	<				ug/L	
		Benzene	<5	<				ug/L	
		Bromodichloromethane	<5	<				ug/L	
		Bromoform	<5	<				ug/L	
		Bromomethane (Methyl bromide)	<10	<				ug/L	
		Carbon tetrachloride	<5	<				ug/L	
		Chlorobenzene	<5	<				ug/L	
		Chloroethane	<10	<				ug/L	
		Chloroethene (Vinyl chloride)	<10	<				ug/L	
		Chloroform	<5	<				ug/L	
		Chloromethane (Methyl chloride)	<10	<				ug/L	
		cis-1,3-Dichloropropene	<5	<				ug/L	
		Dibromochloromethane	<5	<				ug/L	
		Dichloromethane (Methylene chloride)	<6.34	<				ug/L	
		Ethylbenzene	<5	<				ug/L	
		Tetrachloroethylene	<5	<				ug/L	
		Toluene	<5	<				ug/L	
		trans-1,2-Dichloroethylene	<5	<				ug/L	
		trans-1,3-Dichloropropene	<5	<				ug/L	
		Trichloroethylene	<5	<				ug/L	
		Trichlorofluoromethane	<5	<				ug/L	
Radionuclides									
		Gross alpha	.34					pCi/L	
		Nonvolatile beta	.57					pCi/L	
		Tritium	4.9					pCi/mL	

Notes: Concentrations in bold Italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in Italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 20C

SAMPLE DATE			11/05/99						
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		Total organic halogens		<15.1	< EQL	U	1	ug/L	WA
Radionuclides									
		Radium-226		.354	< EQL	U	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 21D

SAMPLE DATE			05/19/99						
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Sulfate	482					ug/L	

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in Italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.
 * = exceeded holding time for Fourth Quarter 1999.
 + = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 23D

SAMPLE DATE				11/05/99					
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Radionuclides									
		Tritium		19.2	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 24D

SAMPLE DATE 05/19/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Total dissolved solids	64000					ug/L	

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in Italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 25A

SAMPLE DATE				11/05/99					
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Radionuclides									
		Radium-228		.431	< EQL	U	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

**Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF
WELL BGO 26A**

SAMPLE DATE

11/10/99

ANALYTICAL DATA

H	ST	Parameter	2Q99	4Q99	Filt.	Mod	DF	Unit	Lab
Inorganics									
		Antimony, total recoverable		<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable		<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable		86.4	< 2000		1	ug/L	WA
		Boron, total recoverable		<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable		<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable		3	NDD	J	1	ug/L	WA
		Copper, total recoverable		2.6	NDD	J	1	ug/L	WA
		Lead, total recoverable		<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable		39.8	< 250		1	ug/L	WA
		Nickel, total recoverable		3.6	NDD	J	1	ug/L	WA
		Selenium, total recoverable		<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable		<5	< EQL	U	1	ug/L	WA
		Tin, total recoverable		<70	< EQL	U	1	ug/L	WA
		Zinc, total recoverable		8.8	NDD	J	1	ug/L	WA
Organics									
		1,1,1-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane		<5	< EQL	U	1	ug/L	WA
		Benzene		<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane		<5	< EQL	U	1	ug/L	WA
		Bromoform		<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)		<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride		<5	< EQL	U	1	ug/L	WA
		Chlorobenzene		<5	< EQL	U	1	ug/L	WA
		Chloroethane		<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)		<10	< EQL	U	1	ug/L	WA
		Chloroform		<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)		3.24	NDD	J	1	ug/L	WA
		cis-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane		<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)		<7.28	< EQL	U	1	ug/L	WA
		Ethylbenzene		<5	< EQL	U	1	ug/L	WA
		Tetrachloroethylene		<5	< EQL	U	1	ug/L	WA
		Toluene		<5	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		trans-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene		5.97	> 5		1	ug/L	WA
		Trichlorofluoromethane		<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 26D

SAMPLE DATE				11/10/99					
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		Phenols		<37	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 27C

SAMPLE DATE				11/15/99					
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Mercury, total recoverable		<.7	< EQL	U	1	ug/L	WA
		Sulfate		370	NDD	J	1	ug/L	W

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in Italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 28D

SAMPLE DATE 12/30/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable		<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable		<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable		27.9	< 2000		1	ug/L	WA
		Boron, total recoverable		37.8	NDD	J	1	ug/L	WA
		Cadmium, total recoverable		<4.7	< EQL	U	1	ug/L	WA
+		Chromium, total recoverable		115	> 100		1	ug/L	WA
		Copper, total recoverable		8.6	NDD	J	1	ug/L	WA
		Lead, total recoverable		11.4	NDD	J	1	ug/L	WA
		Lithium, total recoverable		6.1	< 250		1	ug/L	WA
		Nickel, total recoverable		68.6	< 100		1	ug/L	WA
		Selenium, total recoverable		<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable		<5	< EQL	U	1	ug/L	WA
		Tin, total recoverable		<70	< EQL	U	1	ug/L	WA
		Total dissolved solids		39000	NDD	J	1	ug/L	WA
		Zinc, total recoverable		15.3	NDD	J	1	ug/L	WA
Radionuclides									
		Radium-226		1.84	NDD	J	1	pCi/L	GP
		Strontium-90		5.86	< 8		1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF
WELL BGO 29A

SAMPLE DATE				11/09/99					
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Radionuclides									
		Gross alpha		1.2	NDD	J	1	pCi/L	GP
		Nonvolatile beta		1.58	NDD	J	1	pCi/L	GP

Notes: Concentrations in bold Italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in Italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.
 * = exceeded holding time for Fourth Quarter 1999.
 + = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 29C

SAMPLE DATE 12/15/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Total dissolved solids		11000	NDD	J	1	ug/L	WA
Radionuclides									
		Carbon-14		-2.63	< EQL	U	1	pCi/L	GP
		Gross alpha		1.85	NDD	J	1	pCi/L	GP
		Nonvolatile beta		1.23	< EQL	U	1	pCi/L	GP
		Radium-228		.628	< EQL	JU	1	pCi/L	GP
		Strontium-90		-.157	< EQL	U	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 30C

SAMPLE DATE				12/30/99					
ANALYTICAL DATA									
<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Radionuclides									
		Carbon-14		16.4	NDD	J	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.
 * = exceeded holding time for Fourth Quarter 1999.
 + = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 31C

SAMPLE DATE			12/01/99						
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Total dissolved solids		39000	NDD	J	1	ug/L	WA
Radionuclides									
		Gross alpha		2.05	NDD	J	1	pCi/L	GP
		Nonvolatile beta		1.6	< EQL	U	1	pCi/L	GP
		Radium-226		4.04	< EQL	U	1	pCi/L	GP
		Strontium-90		.601	< EQL	JU	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF**WELL BGO 31D**

SAMPLE DATE			11/29/99						
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Sulfate		240	NDD	J	1	ug/L	WA
Radionuclides									
		Radium-228		.88	NDD	J	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 34D

SAMPLE DATE 11/30/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable		<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable		<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable		15.9	< 2000		1	ug/L	WA
		Boron, total recoverable		<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable		<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable		2.6	NDD	J	1	ug/L	WA
		Copper, total recoverable		10.8	NDD	J	1	ug/L	WA
		Lead, total recoverable		10.3	NDD	J	1	ug/L	WA
		Lithium, total recoverable		.64	NDD	J	1	ug/L	WA
		Mercury, total recoverable		<.7	< EQL	U	1	ug/L	WA
		Nickel, total recoverable		<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable		<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable		<5	< EQL	U	1	ug/L	WA
		Tin, total recoverable		<70	< EQL	U	1	ug/L	WA
		Zinc, total recoverable		20.4	NDD	J	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF**WELL BGO 35C**

SAMPLE DATE

11/10/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Sulfate		420	< 400000		1	ug/L	GE
		Total dissolved solids		<28000	< EQL	U	1	ug/L	GE
Organics									
		1,1,1-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane		<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether		<10	< EQL	U	1	ug/L	WA
		Benzene		<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane		<5	< EQL	U	1	ug/L	WA
		Bromoform		<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)		<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride		<5	< EQL	U	1	ug/L	WA
		Chlorobenzene		<5	< EQL	U	1	ug/L	WA
		Chloroethane		<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)		<10	< EQL	U	1	ug/L	WA
		Chloroform		.934	NDD	J	1	ug/L	WA
		Chloromethane (Methyl chloride)		<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane		<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)		<5.84	< EQL	U	1	ug/L	WA
		Ethylbenzene		<5	< EQL	U	1	ug/L	WA
		Phenols		<5	< EQL	U	1	ug/L	GE
		Tetrachloroethylene		<5	< EQL	U	1	ug/L	WA
		Toluene		<5	< EQL	U	1	ug/L	WA
		Total organic carbon		<500	< EQL	U	1	ug/L	GE
		Total organic halogens		14.4	NDD	J	1	ug/L	GE
		trans-1,2-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		trans-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene		14.1	> 5		1	ug/L	WA
		Trichlorofluoromethane		<5	< EQL	U	1	ug/L	WA
Radionuclides									
		Gross alpha		.35	< EQL	U	1	pCi/L	TM
		Nonvolatile beta		.63	< EQL	U	1	pCi/L	TM
		Radium-226		.3	< EQL	U	1	pCi/L	TM
		Radium-228		1.24	< EQL	U	1	pCi/L	TM
		Strontium-90		-.43	< EQL	U	1	pCi/L	TM
+		Tritium		265.73	> 20		1	pCi/mL	TM

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 36D

SAMPLE DATE				11/09/99					
ANALYTICAL DATA									
<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Radionuclides									
		Carbon-14		-1.05	< EQL	U	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

**Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF
WELL BGO 37C**

SAMPLE DATE			11/29/99						
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Mercury, total recoverable		1.46	< 2		1	ug/L	WA
Organics									
		Phenols		<5	< EQL	U	1	ug/L	GE
		Total organic carbon		820	< 1000000		1	ug/L	GE
+		Total organic halogens		624	> 100		10	ug/L	GE
Radionuclides									
		Carbon-14		102	< 2000		1	pCi/L	GP
		Gross alpha		2.01	NDD	J	1	pCi/L	TM
		Nonvolatile beta		1.44	< EQL	U	1	pCi/L	TM
		Radium-226		.94	Rejected	R	1	pCi/L	TM
		Radium-228		.75	< EQL	U	1	pCi/L	TM
		Strontium-90		.832	< EQL	U	1	pCi/L	GP
		Tritium		108859.34	> 20	J	1	pCi/mL	TM

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 37D

SAMPLE DATE				11/09/99					
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		Total organic halogens		<120	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF**WELL BGO 38D**

SAMPLE DATE

11/16/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		1,1,1-Trichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1,2,2-Tetrachloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1,2-Trichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethylene		<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloropropane		<5	< EQL	JU	1	ug/L	WA
		2-Chloroethyl vinyl ether		<10	< EQL	JU	1	ug/L	WA
		Benzene		<5	< EQL	JU	1	ug/L	WA
		Bromodichloromethane		<5	< EQL	JU	1	ug/L	WA
		Bromoform		<5	< EQL	JU	1	ug/L	WA
		Bromomethane (Methyl bromide)		<10	< EQL	JU	1	ug/L	WA
		Carbon tetrachloride		<5	< EQL	JU	1	ug/L	WA
		Chlorobenzene		<5	< EQL	JU	1	ug/L	WA
		Chloroethane		<10	< EQL	JU	1	ug/L	WA
		Chloroethene (Vinyl chloride)		<10	< EQL	JU	1	ug/L	WA
		Chloroform		<5	< EQL	JU	1	ug/L	WA
		Chloromethane (Methyl chloride)		<10	< EQL	JU	1	ug/L	WA
		cis-1,3-Dichloropropene		<5	< EQL	JU	1	ug/L	WA
		Dibromochloromethane		<5	< EQL	JU	1	ug/L	WA
		Dichloromethane (Methylene chloride)		<5	< EQL	JU	1	ug/L	WA
		Ethylbenzene		<5	< EQL	JU	1	ug/L	WA
		Tetrachloroethylene		<5	< EQL	JU	1	ug/L	WA
		Toluene		<5	< EQL	JU	1	ug/L	WA
		trans-1,2-Dichloroethylene		<5	< EQL	JU	1	ug/L	WA
		trans-1,3-Dichloropropene		<5	< EQL	JU	1	ug/L	WA
		Trichloroethylene		<5	< EQL	JU	1	ug/L	WA
		Trichlorofluoromethane		<5	< EQL	JU	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 39D

SAMPLE DATE			12/01/99						
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		Phenols		<37	< EQL	U	1	ug/L	WA
Radionuclides									
	+	Tritium		26.7	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

**Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF
WELL BGO 41A**

SAMPLE DATE				11/10/99					
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Radionuclides									
		Gross alpha		6.79	NDD	J	1	pCi/L	GP
		Nonvolatile beta		7.25	< 50		1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.
 * = exceeded holding time for Fourth Quarter 1999.
 + = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 43AA

SAMPLE DATE				11/09/99					
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Radionuclides									
		Strontium-90		.163	< EQL	U	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 43D

SAMPLE DATE				11/09/99					
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Radionuclides									
		Radium-226		2.42	NDD	J	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.
 * = exceeded holding time for Fourth Quarter 1999.
 + = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 44C

SAMPLE DATE 11/09/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
		Radionuclides							
+		Tritium		59.6	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 45A

SAMPLE DATE

11/09/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		1,1,1-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane		<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether		<10	< EQL	U	1	ug/L	WA
		Benzene		<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane		<5	< EQL	U	1	ug/L	WA
		Bromoform		<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)		<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride		<5	< EQL	U	1	ug/L	WA
		Chlorobenzene		<5	< EQL	U	1	ug/L	WA
		Chloroethane		<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)		<10	< EQL	U	1	ug/L	WA
		Chloroform		<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)		<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane		<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)		<6.57	< EQL	U	1	ug/L	WA
		Ethylbenzene		<5	< EQL	U	1	ug/L	WA
		Tetrachloroethylene		<5	< EQL	U	1	ug/L	WA
		Toluene		<5	< EQL	U	1	ug/L	WA
		Total organic carbon		163	NDD	J	1	ug/L	WA
		trans-1,2-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		trans-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA
		Trichloroethylene		<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane		<5	< EQL	U	1	ug/L	WA
Radionuclides									
		Radium-228		.352	< EQL	U	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 45D

SAMPLE DATE

11/29/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		1,1,1-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane		<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether		<10	< EQL	U	1	ug/L	WA
		Benzene		<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane		<5	< EQL	U	1	ug/L	WA
		Bromoform		<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)		<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride		<5	< EQL	U	1	ug/L	WA
		Chlorobenzene		<5	< EQL	U	1	ug/L	WA
		Chloroethane		<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)		<10	< EQL	U	1	ug/L	WA
		Chloroform		<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)		<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane		<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)		<4.9	< EQL	U	1	ug/L	WA
		Ethylbenzene		<5	< EQL	U	1	ug/L	WA
		Tetrachloroethylene		1	NDD	J	1	ug/L	WA
		Toluene		<5	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		trans-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA
		Trichloroethylene		4.34	NDD	J	1	ug/L	WA
		Trichlorofluoromethane		<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 46B

SAMPLE DATE				11/29/99					
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Radionuclides									
		Gross alpha		.133	< EQL	U	1	pCi/L	GP
		Nonvolatile beta		.334	< EQL	U	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in Italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

**Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF
WELL BGO 46C**

SAMPLE DATE			12/29/99						
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Mercury, total recoverable		<.7	< EQL	U	1	ug/L	WA
Radionuclides									
		Carbon-14		1.44	< EQL	U	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF**WELL BGO 46D****SAMPLE DATE**

12/29/99

ANALYTICAL DATA

H	ST	Parameter	2Q99	4Q99	Filt.	Mod	DF	Unit	Lab
Inorganics									
		Antimony, total recoverable		<27	< EQL	U	1	ug/L	WA
		Arsenic, total recoverable		<40	< EQL	U	1	ug/L	WA
		Barium, total recoverable		3.9	< 2000		1	ug/L	WA
		Boron, total recoverable		<266	< EQL	U	1	ug/L	WA
		Cadmium, total recoverable		<4.7	< EQL	U	1	ug/L	WA
		Chromium, total recoverable		<.9	< EQL	JU	1	ug/L	WA
		Copper, total recoverable		<15	< EQL	U	1	ug/L	WA
		Lead, total recoverable		<47	< EQL	U	1	ug/L	WA
		Lithium, total recoverable		2	NDD	J	1	ug/L	WA
		Nickel, total recoverable		<26	< EQL	U	1	ug/L	WA
		Selenium, total recoverable		<66	< EQL	U	1	ug/L	WA
		Silver, total recoverable		<5	< EQL	U	1	ug/L	WA
		Tin, total recoverable		<70	< EQL	U	1	ug/L	WA
		Total dissolved solids		13000	NDD	J	1	ug/L	WA
		Zinc, total recoverable		5.7	NDD	J	1	ug/L	WA
Radionuclides									
		Gross alpha		1.97	NDD	J	1	pCi/L	GP
		Nonvolatile beta		1.44	NDD	J	1	pCi/L	GP
		Radium-226		1.25	NDD	J	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 47A

SAMPLE DATE			11/30/99						
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Total dissolved solids		122000			1	ug/L	GE
Organics									
		1,1,1-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene		<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane		<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether		<10	< EQL	U	1	ug/L	WA
		Benzene		<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane		<5	< EQL	U	1	ug/L	WA
		Bromoform		<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)		<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride		<5	< EQL	U	1	ug/L	WA
		Chlorobenzene		<5	< EQL	U	1	ug/L	WA
		Chloroethane		<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)		<10	< EQL	U	1	ug/L	WA
		Chloroform		<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)		<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane		<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)		<6.41	< EQL	U	1	ug/L	WA
		Ethylbenzene		<5	< EQL	U	1	ug/L	WA
		Tetrachloroethylene		<5	< EQL	U	1	ug/L	WA
		Toluene		<5	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		trans-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA
		Trichloroethylene		<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane		<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF**WELL BGO 47C**

SAMPLE DATE

11/29/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Radionuclides									
		Gross alpha		.835	NDD	J	1	pCi/L	GP
		Nonvolatile beta		1.11	NDD	J	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 47D

SAMPLE DATE			12/29/99						
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Total dissolved solids		<16000	< EQL	U	1	ug/L	WA
Organics									
		Phenols		<37	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 48C

SAMPLE DATE

12/29/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
		Radionuclides							
		Tritium		3720	> 20	J	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.
 * = exceeded holding time for Fourth Quarter 1999.
 + = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 49A

SAMPLE DATE				11/11/99					
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Total dissolved solids		349000			1	ug/L	WA
Radionuclides									
		Strontium-90		-.28	< EQL	JU	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 49D

SAMPLE DATE

11/10/99

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Radionuclides									
		Carbon-14		-893	< EQL	U	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.
* = exceeded holding time for Fourth Quarter 1999.
+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 50A

SAMPLE DATE				11/11/99					
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Radionuclides									
+		Radium-226		6.14	> 5		1	pCi/L	GP
		Radium-228		1.91	NDD	J	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

**Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF
WELL BGO 51AA**

SAMPLE DATE

11/16/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		1,1,1-Trichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1,2,2-Tetrachloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1,2-Trichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethylene		<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloropropane		<5	< EQL	JU	1	ug/L	WA
		2-Chloroethyl vinyl ether		<10	< EQL	JU	1	ug/L	WA
		Benzene		<5	< EQL	JU	1	ug/L	WA
		Bromodichloromethane		<5	< EQL	JU	1	ug/L	WA
		Bromoform		<5	< EQL	JU	1	ug/L	WA
		Bromomethane (Methyl bromide)		<10	< EQL	JU	1	ug/L	WA
		Carbon tetrachloride		<5	< EQL	JU	1	ug/L	WA
		Chlorobenzene		<5	< EQL	JU	1	ug/L	WA
		Chloroethane		<10	< EQL	JU	1	ug/L	WA
		Chloroethene (Vinyl chloride)		<10	< EQL	JU	1	ug/L	WA
		Chloroform		<5	< EQL	JU	1	ug/L	WA
		Chloromethane (Methyl chloride)		<10	< EQL	JU	1	ug/L	WA
		cis-1,3-Dichloropropene		<5	< EQL	JU	1	ug/L	WA
		Dibromochloromethane		<5	< EQL	JU	1	ug/L	WA
		Dichloromethane (Methylene chloride)		<5	< EQL	JU	1	ug/L	WA
		Ethylbenzene		<5	< EQL	JU	1	ug/L	WA
		Tetrachloroethylene		<5	< EQL	JU	1	ug/L	WA
		Toluene		<5	< EQL	JU	1	ug/L	WA
		trans-1,2-Dichloroethylene		<5	< EQL	JU	1	ug/L	WA
		trans-1,3-Dichloropropene		<5	< EQL	JU	1	ug/L	WA
		Trichloroethylene		<5	< EQL	JU	1	ug/L	WA
		Trichlorofluoromethane		<5	< EQL	JU	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 51C

SAMPLE DATE 11/17/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
		Inorganics							
		Sulfate		554	< 400000		1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

**Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF
WELL BGO 52A**

SAMPLE DATE				11/17/99					
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		Total organic halogens		33.4	NDD	J	1	ug/L	WA
Radionuclides									
		Gross alpha		.994	NDD	J	1	pCi/L	GP
		Nonvolatile beta		5.82	< 50		1	pCi/L	GP
		Radium-228		.337	< EQL	U	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.
 * = exceeded holding time for Fourth Quarter 1999.
 + = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 52B

SAMPLE DATE 11/16/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		1,1,1-Trichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1,2,2-Tetrachloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1,2-Trichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethylene		<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloropropane		<5	< EQL	JU	1	ug/L	WA
		2-Chloroethyl vinyl ether		<10	< EQL	JU	1	ug/L	WA
		Benzene		<5	< EQL	JU	1	ug/L	WA
		Bromodichloromethane		<5	< EQL	JU	1	ug/L	WA
		Bromoform		<5	< EQL	JU	1	ug/L	WA
		Bromomethane (Methyl bromide)		<10	< EQL	JU	1	ug/L	WA
		Carbon tetrachloride		<5	< EQL	JU	1	ug/L	WA
		Chlorobenzene		<5	< EQL	JU	1	ug/L	WA
		Chloroethane		<10	< EQL	JU	1	ug/L	WA
		Chloroethene (Vinyl chloride)		<10	< EQL	JU	1	ug/L	WA
		Chloroform		<5	< EQL	JU	1	ug/L	WA
		Chloromethane (Methyl chloride)		<10	< EQL	JU	1	ug/L	WA
		cis-1,3-Dichloropropene		<5	< EQL	JU	1	ug/L	WA
		Dibromochloromethane		<5	< EQL	JU	1	ug/L	WA
		Dichloromethane (Methylene chloride)		<5	< EQL	JU	1	ug/L	WA
		Ethylbenzene		<5	< EQL	JU	1	ug/L	WA
		Tetrachloroethylene		<5	< EQL	JU	1	ug/L	WA
		Toluene		<5	< EQL	JU	1	ug/L	WA
		trans-1,2-Dichloroethylene		<5	< EQL	JU	1	ug/L	WA
		trans-1,3-Dichloropropene		<5	< EQL	JU	1	ug/L	WA
		Trichloroethylene		<5	< EQL	JU	1	ug/L	WA
		Trichlorofluoromethane		<5	< EQL	JU	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF**WELL BGO 52C**

SAMPLE DATE

11/16/99

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		1,1,1-Trichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1,2,2-Tetrachloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1,2-Trichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethylene		<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloropropane		<5	< EQL	JU	1	ug/L	WA
		2-Chloroethyl vinyl ether		<10	< EQL	JU	1	ug/L	WA
		Benzene		<5	< EQL	JU	1	ug/L	WA
		Bromodichloromethane		<5	< EQL	JU	1	ug/L	WA
		Bromoform		<5	< EQL	JU	1	ug/L	WA
		Bromomethane (Methyl bromide)		<10	< EQL	JU	1	ug/L	WA
		Carbon tetrachloride		<5	< EQL	JU	1	ug/L	WA
		Chlorobenzene		<5	< EQL	JU	1	ug/L	WA
		Chloroethane		<10	< EQL	JU	1	ug/L	WA
		Chloroethene (Vinyl chloride)		<10	< EQL	JU	1	ug/L	WA
		Chloroform		<5	< EQL	JU	1	ug/L	WA
		Chloromethane (Methyl chloride)		<10	< EQL	JU	1	ug/L	WA
		cis-1,3-Dichloropropene		<5	< EQL	JU	1	ug/L	WA
		Dibromochloromethane		<5	< EQL	JU	1	ug/L	WA
		Dichloromethane (Methylene chloride)		<9.31	< EQL	JU	1	ug/L	WA
		Ethylbenzene		<5	< EQL	JU	1	ug/L	WA
		Tetrachloroethylene		<5	< EQL	JU	1	ug/L	WA
		Toluene		<5	< EQL	JU	1	ug/L	WA
		trans-1,2-Dichloroethylene		<5	< EQL	JU	1	ug/L	WA
		trans-1,3-Dichloropropene		<5	< EQL	JU	1	ug/L	WA
		Trichloroethylene		<5	< EQL	JU	1	ug/L	WA
		Trichlorofluoromethane		<5	< EQL	JU	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF**WELL BGO 52D****SAMPLE DATE**

11/16/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		1,1,1-Trichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1,2,2-Tetrachloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1,2-Trichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethylene		<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloropropane		<5	< EQL	JU	1	ug/L	WA
		2-Chloroethyl vinyl ether		<10	< EQL	JU	1	ug/L	WA
		Benzene		<5	< EQL	JU	1	ug/L	WA
		Bromodichloromethane		<5	< EQL	JU	1	ug/L	WA
		Bromoform		<5	< EQL	JU	1	ug/L	WA
		Bromomethane (Methyl bromide)		<10	< EQL	JU	1	ug/L	WA
		Carbon tetrachloride		<5	< EQL	JU	1	ug/L	WA
		Chlorobenzene		<5	< EQL	JU	1	ug/L	WA
		Chloroethane		<10	< EQL	JU	1	ug/L	WA
		Chloroethene (Vinyl chloride)		<10	< EQL	JU	1	ug/L	WA
		Chloroform		<5	< EQL	JU	1	ug/L	WA
		Chloromethane (Methyl chloride)		<10	< EQL	JU	1	ug/L	WA
		cis-1,3-Dichloropropene		<5	< EQL	JU	1	ug/L	WA
		Dibromochloromethane		<5	< EQL	JU	1	ug/L	WA
		Dichloromethane (Methylene chloride)		<5	< EQL	JU	1	ug/L	WA
		Ethylbenzene		<5	< EQL	JU	1	ug/L	WA
		Tetrachloroethylene		<5	< EQL	JU	1	ug/L	WA
		Toluene		<5	< EQL	JU	1	ug/L	WA
		trans-1,2-Dichloroethylene		<5	< EQL	JU	1	ug/L	WA
		trans-1,3-Dichloropropene		<5	< EQL	JU	1	ug/L	WA
		Trichloroethylene		<5	< EQL	JU	1	ug/L	WA
		Trichlorofluoromethane		<5	< EQL	JU	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF**WELL BGO 53A**

SAMPLE DATE

11/16/99

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		1,1,1-Trichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1,2,2-Tetrachloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1,2-Trichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethylene		<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloropropane		<5	< EQL	JU	1	ug/L	WA
		2-Chloroethyl vinyl ether		<10	< EQL	JU	1	ug/L	WA
		Benzene		<5	< EQL	JU	1	ug/L	WA
		Bromodichloromethane		<5	< EQL	JU	1	ug/L	WA
		Bromoform		<5	< EQL	JU	1	ug/L	WA
		Bromomethane (Methyl bromide)		<10	< EQL	JU	1	ug/L	WA
		Carbon tetrachloride		<5	< EQL	JU	1	ug/L	WA
		Chlorobenzene		<5	< EQL	JU	1	ug/L	WA
		Chloroethane		<10	< EQL	JU	1	ug/L	WA
		Chloroethene (Vinyl chloride)		<10	< EQL	JU	1	ug/L	WA
		Chloroform		<5	< EQL	JU	1	ug/L	WA
		Chloromethane (Methyl chloride)		<10	< EQL	JU	1	ug/L	WA
		cis-1,3-Dichloropropene		<5	< EQL	JU	1	ug/L	WA
		Dibromochloromethane		<5	< EQL	JU	1	ug/L	WA
		Dichloromethane (Methylene chloride)		<5	< EQL	JU	1	ug/L	WA
		Ethylbenzene		<5	< EQL	JU	1	ug/L	WA
		Tetrachloroethylene		<5	< EQL	JU	1	ug/L	WA
		Toluene		<5	< EQL	JU	1	ug/L	WA
		trans-1,2-Dichloroethylene		<5	< EQL	JU	1	ug/L	WA
		trans-1,3-Dichloropropene		<5	< EQL	JU	1	ug/L	WA
		Trichloroethylene		<5	< EQL	JU	1	ug/L	WA
		Trichlorofluoromethane		<5	< EQL	JU	1	ug/L	WA
Radionuclides									
		Radium-226		1.15	< EQL	U	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGO 53AA

SAMPLE DATE 11/16/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		1,1,1-Trichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1,2,2-Tetrachloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1,2-Trichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethylene		<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloropropane		<5	< EQL	JU	1	ug/L	WA
		2-Chloroethyl vinyl ether		<10	< EQL	JU	1	ug/L	WA
		Benzene		<5	< EQL	JU	1	ug/L	WA
		Bromodichloromethane		<5	< EQL	JU	1	ug/L	WA
		Bromoform		<5	< EQL	JU	1	ug/L	WA
		Bromomethane (Methyl bromide)		<10	< EQL	JU	1	ug/L	WA
		Carbon tetrachloride		<5	< EQL	JU	1	ug/L	WA
		Chlorobenzene		<5	< EQL	JU	1	ug/L	WA
		Chloroethane		<10	< EQL	JU	1	ug/L	WA
		Chloroethene (Vinyl chloride)		<10	< EQL	JU	1	ug/L	WA
		Chloroform		<5	< EQL	JU	1	ug/L	WA
		Chloromethane (Methyl chloride)		<10	< EQL	JU	1	ug/L	WA
		cis-1,3-Dichloropropene		<5	< EQL	JU	1	ug/L	WA
		Dibromochloromethane		<5	< EQL	JU	1	ug/L	WA
		Dichloromethane (Methylene chloride)		<8.42	< EQL	JU	1	ug/L	WA
		Ethylbenzene		<5	< EQL	JU	1	ug/L	WA
		Tetrachloroethylene		<5	< EQL	JU	1	ug/L	WA
		Toluene		<5	< EQL	JU	1	ug/L	WA
		trans-1,2-Dichloroethylene		<5	< EQL	JU	1	ug/L	WA
		trans-1,3-Dichloropropene		<5	< EQL	JU	1	ug/L	WA
		Trichloroethylene		<5	< EQL	JU	1	ug/L	WA
		Trichlorofluoromethane		<5	< EQL	JU	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF
WELL BGO 53B

SAMPLE DATE				11/16/99					
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Radionuclides									
		Radium-226		1.58	< EQL	U	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.
 * = exceeded holding time for Fourth Quarter 1999.
 + = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGX 3D

SAMPLE DATE				11/12/99					
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Radionuclides									
		Carbon-14		3.03	< EQL	U	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGX 4C

SAMPLE DATE			11/15/99						
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		Phenols		<37	< EQL	U	1	ug/L	WA
		Total organic halogens		15.6	NDD	J	1	ug/L	WA
Radionuclides									
		Tritium		7.1	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in Italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGX 5D

SAMPLE DATE 11/19/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Radionuclides									
		Radium-226		2.47	NDD	J	1	pCi/L	GP
		Strontium-90		-.00587	< EQL	U	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

**Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF
WELL BGX 7D**

SAMPLE DATE			11/29/99						
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Radionuclides									
		Gross alpha		1.09	NDD	J	1	pCi/L	GP
		Nonvolatile beta		1.66	NDD	J	1	pCi/L	GP
		Radium-226		2.1	< EQL	U	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.
 * = exceeded holding time for Fourth Quarter 1999.
 + = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGX 10D

SAMPLE DATE 11/20/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		1,1,1-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane		<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether		<10	< EQL	U	1	ug/L	WA
		Benzene		<5	< EQL	U	1	ug/L	WA
		Bromodichloromethane		<5	< EQL	U	1	ug/L	WA
		Bromoform		<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)		<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride		<5	< EQL	U	1	ug/L	WA
		Chlorobenzene		<5	< EQL	U	1	ug/L	WA
		Chloroethane		<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)		<10	< EQL	U	1	ug/L	WA
		Chloroform		<5	< EQL	U	1	ug/L	WA
		Chloromethane (Methyl chloride)		<10	< EQL	U	1	ug/L	WA
		cis-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane		<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)		<5	< EQL	U	1	ug/L	WA
		Ethylbenzene		<5	< EQL	U	1	ug/L	WA
		Tetrachloroethylene		<5	< EQL	U	1	ug/L	WA
		Toluene		<5	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		trans-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA
		Trichloroethylene		<5	< EQL	U	1	ug/L	WA
		Trichlorofluoromethane		<5	< EQL	U	1	ug/L	WA
Radionuclides									
		Gross alpha		2.01	NDD	J	1	pCi/L	GP
		Nonvolatile beta		2.43	NDD	J	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF**WELL BGX 11D**

SAMPLE DATE

11/20/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
		Radionuclides							
		Radium-228		1.24	NDD	J	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGX 12C

SAMPLE DATE				11/17/99					
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Radionuclides									
		Tritium		0	< EQL	U	1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BGX 12D

SAMPLE DATE				11/18/99					
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Radionuclides									
		Radium-226		.64	< EQL	U	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BSE 1C1

SAMPLE DATE 01/04/00

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Sulfate		1660	< 400000		1	ug/L	WA
		Total dissolved solids		72000			1	ug/L	WA
Organics									
		1,1,1-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2,2-Tetrachloroethane		<5	< EQL	U	1	ug/L	WA
		1,1,2-Trichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,1-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloroethane		<5	< EQL	U	1	ug/L	WA
		1,2-Dichloropropane		<5	< EQL	U	1	ug/L	WA
		2-Chloroethyl vinyl ether		<10	< EQL	U	1	ug/L	WA
		Benzene		1.11	NDD	J	1	ug/L	WA
		Bromodichloromethane		<5	< EQL	U	1	ug/L	WA
		Bromofom		<5	< EQL	U	1	ug/L	WA
		Bromomethane (Methyl bromide)		<10	< EQL	U	1	ug/L	WA
		Carbon tetrachloride		<5	< EQL	U	1	ug/L	WA
		Chlorobenzene		<5	< EQL	U	1	ug/L	WA
		Chloroethane		<10	< EQL	U	1	ug/L	WA
		Chloroethene (Vinyl chloride)		<10	< EQL	U	1	ug/L	WA
		Chloroform		1.71	NDD	J	1	ug/L	WA
		Chloromethane (Methyl chloride)		16.5	< 20		1	ug/L	WA
		cis-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA
		Dibromochloromethane		<5	< EQL	U	1	ug/L	WA
		Dichloromethane (Methylene chloride)		4.38	NDD	J	1	ug/L	WA
		Ethylbenzene		<5	< EQL	U	1	ug/L	WA
		Tetrachloroethylene		<5	< EQL	U	1	ug/L	WA
		Toluene		<5	< EQL	U	1	ug/L	WA
		trans-1,2-Dichloroethylene		<5	< EQL	U	1	ug/L	WA
		trans-1,3-Dichloropropene		<5	< EQL	U	1	ug/L	WA
+		Trichloroethylene		11.6	> 5		1	ug/L	WA
		Trichlorofluoromethane		<5	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BSE 1C2

SAMPLE DATE

01/05/00

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
		Radionuclides							
		Carbon-14		-1.69	< EQL	U	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.
 * = exceeded holding time for Fourth Quarter 1999.
 + = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BSE 1C3

SAMPLE DATE 01/05/00

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
		Organics							
		Phenols		<37	< EQL	U	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BSE 1C4

SAMPLE DATE

01/05/00

ANALYTICAL DATA

<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
		Organics							
		Total organic carbon		3970	< 1000000		1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

*= exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BSE 1D4

SAMPLE DATE 01/06/00

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Total dissolved solids		21000	NDD	J	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BSE 2C1

SAMPLE DATE				12/28/99					
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Radionuclides									
		Carbon-14		-.999	< EQL	U	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BSE 2C3

SAMPLE DATE

12/28/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		1,1,1-Trichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1,2,2-Tetrachloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1,2-Trichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,1-Dichloroethylene		<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloroethane		<5	< EQL	JU	1	ug/L	WA
		1,2-Dichloropropane		<5	< EQL	JU	1	ug/L	WA
		2-Chloroethyl vinyl ether		<10	< EQL	JU	1	ug/L	WA
		Benzene		<5	< EQL	JU	1	ug/L	WA
		Bromodichloromethane		<5	< EQL	JU	1	ug/L	WA
		Bromoform		<5	< EQL	JU	1	ug/L	WA
		Bromomethane (Methyl bromide)		<10	< EQL	JU	1	ug/L	WA
		Carbon tetrachloride		<5	< EQL	JU	1	ug/L	WA
		Chlorobenzene		<5	< EQL	JU	1	ug/L	WA
		Chloroethane		<10	< EQL	JU	1	ug/L	WA
		Chloroethene (Vinyl chloride)		<10	< EQL	JU	1	ug/L	WA
		Chloroform		<5	< EQL	JU	1	ug/L	WA
		Chloromethane (Methyl chloride)		<10	< EQL	JU	1	ug/L	WA
		cis-1,3-Dichloropropene		<5	< EQL	JU	1	ug/L	WA
		Dibromochloromethane		<5	< EQL	JU	1	ug/L	WA
		Dichloromethane (Methylene chloride)		<5	< EQL	JU	1	ug/L	WA
		Ethylbenzene		<5	< EQL	JU	1	ug/L	WA
		Tetrachloroethylene		<5	< EQL	JU	1	ug/L	WA
		Toluene		<5	< EQL	JU	1	ug/L	WA
		trans-1,2-Dichloroethylene		<5	< EQL	JU	1	ug/L	WA
		trans-1,3-Dichloropropene		<5	< EQL	JU	1	ug/L	WA
		Trichloroethylene		<5	< EQL	JU	1	ug/L	WA
		Trichlorofluoromethane		<5	< EQL	JU	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BSE 3C2

SAMPLE DATE			12/30/99						
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Radionuclides									
		Radium-228		1.2	NDD	J	1	pCi/L	GP
		Tritium		8.66	< 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BSE 3D3

SAMPLE DATE			01/03/00						
ANALYTICAL DATA									
<u>H</u>	<u>SI</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Sulfate		3300	< 400000		1	ug/L	WA
Radionuclides									
		Strontium-90		-.431	< EQL	JU	1	pCi/L	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL BSE 3D4

SAMPLE DATE				01/03/00					
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Radionuclides									
	+	Tritium		1950	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.
 • = exceeded holding time for Fourth Quarter 1999.
 + = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL FSS 1D

SAMPLE DATE 11/30/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
		Inorganics							
		Sulfate		1670	< 400000		1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL HMD 2D

SAMPLE DATE				11/21/99					
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		Total organic carbon		238	NDD	J	1	ug/L	WA

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL HMD 3D

SAMPLE DATE 11/21/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
		Radionuclides							
	+	Tritium		54.8	> 20		1	pCi/mL	GP

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

* = exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL HSB 85A

SAMPLE DATE 04/21/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Inorganics									
		Antimony, total recoverable	<27					ug/L	
		Arsenic, total recoverable	<40					ug/L	
		Barium, total recoverable	29.6					ug/L	
		Boron, total recoverable	<266					ug/L	
		Cadmium, total recoverable	<4.7					ug/L	
		Chromium, total recoverable	.92					ug/L	
		Copper, total recoverable	<15					ug/L	
		Lead, total recoverable	<47					ug/L	
		Lithium, total recoverable	3.8					ug/L	
		Nickel, total recoverable	<26					ug/L	
		Selenium, total recoverable	<66					ug/L	
		Silver, total recoverable	<5					ug/L	
		Tin, total recoverable	<70					ug/L	
		Zinc, total recoverable	<53					ug/L	
Organics									
		Phenols	<37					ug/L	

Notes: Concentrations in bold Italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in Italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.
 * = exceeded holding time for Fourth Quarter 1999.
 + = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF

WELL HSB 85B

SAMPLE DATE 04/21/99

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
		Inorganics							
		Sulfate	2020					ug/L	
		Radionuclides							
		Tritium	1.08					pCi/mL	

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.

*= exceeded holding time for Fourth Quarter 1999.

+ = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

**Table D-5B. Groundwater Monitoring Results for All Wells (Lab Duplicates), MWMF
WELL HSB 85C**

SAMPLE DATE		04/21/99	11/19/99						
ANALYTICAL DATA									
<u>H</u>	<u>ST</u>	<u>Parameter</u>	<u>2Q99</u>	<u>4Q99</u>	<u>Filt.</u>	<u>Mod</u>	<u>DF</u>	<u>Unit</u>	<u>Lab</u>
Organics									
		Phenols		<37	< EQL	U	1	ug/L	WA
		Total organic halogens	<120					ug/L	
Radionuclides									
		Carbon-14	.375					pCi/L	
		Strontium-90	-.792					pCi/L	
		Tritium	9.69					pCi/mL	

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix B. Radionuclide results in italics are less than sample quantitation limit. Dilution factors, Modifiers, Laboratory, and Filtered Data are for Fourth Quarter 1999 data only.
 * = exceeded holding time for Fourth Quarter 1999.
 + = exceeded the screening level or final primary drinking water standard for Fourth Quarter 1999.

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Table D-6. Constituents Exceeding the Primary Drinking Water Standards or Radionuclides Exceeding Proposed Drinking Water Standards

Well	Constituent	2Q99	4Q99	Unit	Aquifer
BGO 6D	1,1-Dichloroethylene	8.54	9.88	ug/L	UAZ-UTRA
BGO 48D	Carbon-14		4210	pCi/L	UAZ-UTRA
BSE 1D4	Carbon-14		3460	pCi/L	UAZ-UTRA
BGO 28D	Chloroethene (Vinyl chloride)		29	ug/L	UAZ-UTRA
BGO 28D	Chromium, total recoverable		113	ug/L	UAZ-UTRA
BGO 32D	Gross alpha		20.6	pCi/L	UAZ-UTRA
BGO 15D	Radium-226 ^a		12.1	pCi/L	UAZ-UTRA
BGO 26D	Radium-226		5.41	pCi/L	UAZ-UTRA
BGO 31D	Radium-226		13.8	pCi/L	UAZ-UTRA
BGO 32D	Radium-226		10.5	pCi/L	UAZ-UTRA
BGO 33D	Radium-226		5.22	pCi/L	UAZ-UTRA
BGO 44D	Radium-226		6.51	pCi/L	UAZ-UTRA
BGO 52D	Radium-226		15.2	pCi/L	UAZ-UTRA
BGO 6D	Tetrachloroethylene	19.7	22.4	ug/L	UAZ-UTRA
BGO 7D	Tetrachloroethylene	5.73		ug/L	UAZ-UTRA
BGO 15D	Tetrachloroethylene	5.56		ug/L	UAZ-UTRA
BGO 46D	Tetrachloroethylene		6	ug/L	UAZ-UTRA
BGO 48D	Tetrachloroethylene		94.8	ug/L	UAZ-UTRA
BGO 3DR	Trichloroethylene	56	26.7	ug/L	UAZ-UTRA
BGO 6D	Trichloroethylene	185	177	ug/L	UAZ-UTRA
BGO 7D	Trichloroethylene	65.4	40.8	ug/L	UAZ-UTRA
BGO 14DR	Trichloroethylene	37.2	129	ug/L	UAZ-UTRA
BGO 15D	Trichloroethylene	114	28.3	ug/L	UAZ-UTRA
BGO 16D	Trichloroethylene	9.54		ug/L	UAZ-UTRA
BGO 26D	Trichloroethylene		8.62	ug/L	UAZ-UTRA
BGO 28D	Trichloroethylene		146	ug/L	UAZ-UTRA
BGO 30D	Trichloroethylene		13	ug/L	UAZ-UTRA
BGO 32D	Trichloroethylene		14.4	ug/L	UAZ-UTRA
BGO 46D	Trichloroethylene		26.9	ug/L	UAZ-UTRA
BGO 48D	Trichloroethylene		36.5	ug/L	UAZ-UTRA
BSE 1D4	Trichloroethylene		6.18	ug/L	UAZ-UTRA
BGO 3DR	Tritium	2070	1180	pCi/mL	UAZ-UTRA
BGO 4D	Tritium	223	206	pCi/mL	UAZ-UTRA
BGO 5D	Tritium	7680		pCi/mL	UAZ-UTRA
BGO 6D	Tritium	1090	1220	pCi/mL	UAZ-UTRA
BGO 7D	Tritium		227	pCi/mL	UAZ-UTRA
BGO 8D	Tritium	215	177	pCi/mL	UAZ-UTRA
BGO 9D	Tritium	162	186	pCi/mL	UAZ-UTRA
BGO 11DR	Tritium		114000	pCi/mL	UAZ-UTRA
BGO 14DR	Tritium	101	295	pCi/mL	UAZ-UTRA

Well	Constituent	2Q99	4Q99	Unit	Aquifer
BGO 15D	Tritium	1442.91	741	pCi/mL	UAZ-UTRA
BGO 16D	Tritium	216		pCi/mL	UAZ-UTRA
BGO 27D	Tritium		32.7	pCi/mL	UAZ-UTRA
BGO 28D	Tritium		8810	pCi/mL	UAZ-UTRA
BGO 30D	Tritium		14500	pCi/mL	UAZ-UTRA
BGO 31D	Tritium		55.2	pCi/mL	UAZ-UTRA
BGO 32D	Tritium		723	pCi/mL	UAZ-UTRA
BGO 35D	Tritium		43.4	pCi/mL	UAZ-UTRA
BGO 37D	Tritium		22.2	pCi/mL	UAZ-UTRA
BGO 38D	Tritium		20.4	pCi/mL	UAZ-UTRA
BGO 39D	Tritium		27.6	pCi/mL	UAZ-UTRA
BGO 44D	Tritium		20.5	pCi/mL	UAZ-UTRA
BGO 46D	Tritium		15000	pCi/mL	UAZ-UTRA
BGO 47D	Tritium		250	pCi/mL	UAZ-UTRA
BGO 48D	Tritium		94600	pCi/mL	UAZ-UTRA
BGO 50D	Tritium		971	pCi/mL	UAZ-UTRA
BGO 51D	Tritium		24	pCi/mL	UAZ-UTRA
BGO 52D	Tritium		21.7	pCi/mL	UAZ-UTRA
BGX 1D	Tritium		4290	pCi/mL	UAZ-UTRA
BSE 1D4	Tritium		3260	pCi/mL	UAZ-UTRA
BSE 2D4	Tritium		626	pCi/mL	UAZ-UTRA
BSE 3D3	Tritium		89.9	pCi/mL	UAZ-UTRA
BSE 3D4	Tritium		1910	pCi/mL	UAZ-UTRA
FSS 2D	Tritium		239	pCi/mL	UAZ-UTRA
FSS 3D	Tritium		220	pCi/mL	UAZ-UTRA
HSB142D*	Tritium	250		pCi/mL	UAZ-UTRA
HSB151D*	Tritium	38.6		pCi/mL	UAZ-UTRA
BGO 37C	1,1-Dichloroethane		43.5	ug/L	LAZ-UTRA
BGO 43CR	Gross alpha		23.9	pCi/L	LAZ-UTRA
BGO 14CR	Lead, total recoverable		56	ug/L	LAZ-UTRA
BGX 4D	Lead, total recoverable		113	ug/L	LAZ-UTRA
HMD 1D	Lead, total recoverable		241	ug/L	LAZ-UTRA
BGO 43CR	Radium-226		5.63	pCi/L	LAZ-UTRA
BGO 49C	Radium-226		8.08	pCi/L	LAZ-UTRA
BSE 2C2	Radium-226		5.27	pCi/L	LAZ-UTRA
BGO 31C	Tetrachloroethylene		10.2	ug/L	LAZ-UTRA
BGO 48C	Tetrachloroethylene		6	ug/L	LAZ-UTRA
BGX 8DR	Tetrachloroethylene		9.6	ug/L	LAZ-UTRA
BGO 12CX	Trichloroethylene	231	87	ug/L	LAZ-UTRA
BGO 14CR	Trichloroethylene	47.7	46.5	ug/L	LAZ-UTRA
BGO 27C	Trichloroethylene		27.4	ug/L	LAZ-UTRA
BGO 30C	Trichloroethylene		10.9	ug/L	LAZ-UTRA
BGO 35C	Trichloroethylene		15	ug/L	LAZ-UTRA
BGO 37C	Trichloroethylene		482	ug/L	LAZ-UTRA
BGO 42C	Trichloroethylene		97.6	ug/L	LAZ-UTRA

Well	Constituent	2Q99	4Q99	Unit	Aquifer
BGO 46C	Trichloroethylene		31.3	ug/L	LAZ-UTRA
BGO 48C	Trichloroethylene		11.7	ug/L	LAZ-UTRA
BGO 50C	Trichloroethylene		12.1	ug/L	LAZ-UTRA
BGO 53C	Trichloroethylene		43.9	ug/L	LAZ-UTRA
BGX 2D	Trichloroethylene		28.8	ug/L	LAZ-UTRA
BSE 1C1	Trichloroethylene		8.7	ug/L	LAZ-UTRA
BSE 1C2	Trichloroethylene		13.3	ug/L	LAZ-UTRA
BSE 1C3	Trichloroethylene		11	ug/L	LAZ-UTRA
BSE 1C4	Trichloroethylene		8.27	ug/L	LAZ-UTRA
BSE 2C1	Trichloroethylene		8.98	ug/L	LAZ-UTRA
BGO 5C	Tritium	54.9	68.1	pCi/mL	LAZ-UTRA
BGO 6C	Tritium	686	678	pCi/mL	LAZ-UTRA
BGO 8C	Tritium	37	51.6	pCi/mL	LAZ-UTRA
BGO 10B	Tritium		24.9	pCi/mL	LAZ-UTRA
BGO 14CR	Tritium	303	541	pCi/mL	LAZ-UTRA
BGO 27C	Tritium		210	pCi/mL	LAZ-UTRA
BGO 29C	Tritium		581	pCi/mL	LAZ-UTRA
BGO 30C	Tritium		607	pCi/mL	LAZ-UTRA
BGO 31C	Tritium		6680	pCi/mL	LAZ-UTRA
BGO 35C	Tritium		250	pCi/mL	LAZ-UTRA
BGO 37C	Tritium		98600	pCi/mL	LAZ-UTRA
BGO 44B	Tritium		68.2	pCi/mL	LAZ-UTRA
BGO 44C	Tritium		61.2	pCi/mL	LAZ-UTRA
BGO 45C	Tritium		409	pCi/mL	LAZ-UTRA
BGO 47C	Tritium		380	pCi/mL	LAZ-UTRA
BGO 50C	Tritium		698	pCi/mL	LAZ-UTRA
BGO 53C	Tritium		151	pCi/mL	LAZ-UTRA
BGX 1C	Tritium		45.1	pCi/mL	LAZ-UTRA
BGX 2D	Tritium		140	pCi/mL	LAZ-UTRA
BGX 3D	Tritium		187	pCi/mL	LAZ-UTRA
BGX 4D	Tritium		48.6	pCi/mL	LAZ-UTRA
BGX 5D	Tritium		40.8	pCi/mL	LAZ-UTRA
BGX 6D	Tritium		71.4	pCi/mL	LAZ-UTRA
BGX 7D	Tritium		227	pCi/mL	LAZ-UTRA
BGX 8DR	Tritium		2790	pCi/mL	LAZ-UTRA
BSE 1C1	Tritium		4350	pCi/mL	LAZ-UTRA
BSE 1C2	Tritium		432	pCi/mL	LAZ-UTRA
BSE 1C3	Tritium		399	pCi/mL	LAZ-UTRA
BSE 1C4	Tritium		364	pCi/mL	LAZ-UTRA
BSE 2C1	Tritium		409	pCi/mL	LAZ-UTRA
HMD 1D	Tritium		24.4	pCi/mL	LAZ-UTRA
HMD 3D	Tritium		55.5	pCi/mL	LAZ-UTRA
HMD 4D	Tritium		21.7	pCi/mL	LAZ-UTRA
HSB151C*	Tritium	893		pCi/mL	LAZ-UTRA
BGO 9AA	Lithium		1250	ug/L	GA

Well	Constituent	2Q99	4Q99	Unit	Aquifer
BGO 43A	Lithium		559	ug/L	GA
BGO 50A	Lithium		358	ug/L	GA
BGO 9AA	Radium-226		14	pCi/L	GA
BGO 50A	Radium-226		6.26	pCi/L	GA
BGO 26A	Trichloroethylene		6.14	ug/L	GA
BGO 3A	Tritium	151	129	pCi/mL	GA
BGO 45A	Tritium		21.5	pCi/mL	GA
BGX 1A	Tritium		96.6	pCi/mL	GA

Notes:

Constituents with "U", "J", "L", or "R" qualifiers are not considered decision level data and are not included in this summary table.

- These wells were sampled during January 1999 but are shown as part of the 2Q99 sampling period.

^aRadium 226 and Radium 228 were analyzed according to permit requirements. The Primary Drinking Water Standard of 5 pCi/L applies to Radium 226 plus Radium 228. However, where Radium 226 was measured above 5 pCi/L, it is included in this table as exceeding the limit.

UAZ-UTRA = Upper Aquifer Zone of the Upper Three Runs Aquifer

LAZ-UTRA = Lower Aquifer Zone of the Upper Three Runs Aquifer

GA = Gordon Aquifer

TABLE D-7. Summary of Annual Sampling of Selected POC Wells – Radionuclides Exceeding Proposed Drinking Water Standards and Appendix IX Constituents Exceeding the Primary Drinking Water Standards or PQLs

Well	Constituent	Sampled Date	Result	Unit	Aquifer
BGO 28D	<i>1,1-Dichloroethane</i> ^a	30-Dec-99	8.06	ug/L	UAZ-UTRA
BGO 28D	<u>1,4-Dioxane</u> ^b	30-Dec-99	209	ug/L	UAZ-UTRA
BGO 28D	<i>Chloroethene (Vinyl chloride)</i>	30-Dec-99	29	ug/L	UAZ-UTRA
BGO 28D	<u>Dichlorodifluoromethane</u>	30-Dec-99	11.4	ug/L	UAZ-UTRA
BGO 7D	Trichloroethylene ^c	15-Nov-99	40.8	ug/L	UAZ-UTRA
BGO 28D	Trichloroethylene	30-Dec-99	146	ug/L	UAZ-UTRA
BGO 37C	<i>1,1-Dichloroethane</i>	29-Nov-99	43.5	ug/L	LAZ-UTRA
BGO 37C	<i>Chloroform</i>	29-Nov-99	72.6	ug/L	LAZ-UTRA
BGO 31C	Tetrachloroethylene	1-Dec-99	10.2	ug/L	LAZ-UTRA
BGO 37C	Trichloroethylene	29-Nov-99	482	ug/L	LAZ-UTRA
BGO 26A	Trichloroethylene	10-Nov-99	6.14	ug/L	GA

Notes:

Constituents with either "U", "J", "L", or "R" result qualifiers are not considered decision level data and are not included in this summary table.

^a Constituents in bold italics are included on the Appendix IIIE-A section II. Monitoring Constituent list.

^b Constituents in bold and underlined are included in Appendix IIIE-A section III. Appendix IX Groundwater Monitoring Constituents list.

^c Constituents in plain text are included on the Appendix IIIE-A section I. Groundwater Protection Standard list.

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Appendix E

Southwest Plume Seepline and Surface Water Data Tables

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Table E-1. Results of Surface Water and Seepage Sampling

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB004	9/23/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FHB005	9/23/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FHB008	9/23/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FHB012	5/3/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FHB013	9/21/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FHB014	5/3/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FHB014	9/23/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	JU	Seepine Water Well
FHB016	5/3/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FHB016	9/21/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FHB017	5/3/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FHB017	9/21/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FHB018	5/3/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FHB018	9/21/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FHB019	5/3/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FHB019	9/23/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FHB020	5/3/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FHB020	9/23/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FHB022	5/3/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FHB022	9/21/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FHB024	5/3/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FMC002H	5/3/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FSP061	9/22/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FSP062	9/22/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FSP063	9/22/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FSP064	9/22/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FSP065	9/22/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FSP066	9/22/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FSP067	9/22/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FSP068	9/22/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FSP069	9/22/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FSP070	9/22/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FSP071	9/23/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FSP072	9/23/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
HSP071	9/21/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
HSP097	9/23/99		1	1,1,1,2-Tetrachloroethane	20	µg/L	U	Seepine Water Well
FHB004	9/23/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepine Water Well
FHB005	9/23/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepine Water Well
FHB008	9/23/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepine Water Well
FHB012	5/3/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepine Water Well
FHB013	9/21/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepine Water Well
FHB014	5/3/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepine Water Well
FHB014	9/23/99		1	1,1,1-Trichloroethane	200	µg/L	JU	Seepine Water Well
FHB016	5/3/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepine Water Well
FHB016	9/21/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepine Water Well
FHB017	5/3/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB017	9/21/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepiline Water Well
FHB018	5/3/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepiline Water Well
FHB018	9/21/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepiline Water Well
FHB019	5/3/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepiline Water Well
FHB019	9/23/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepiline Water Well
FHB020	5/3/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepiline Water Well
FHB020	9/23/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepiline Water Well
FHB022	5/3/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepiline Water Well
FHB022	9/21/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepiline Water Well
FHB024	5/3/99		1	1,1,1-Trichloroethane	200	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		1	1,1,1-Trichloroethane	200	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepiline Surface Stream Water Well
FHB030	9/23/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepiline Water Well
FMC002H	5/3/99		1	1,1,1-Trichloroethane	200	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		1	1,1,1-Trichloroethane	200	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepiline Water Well
FSP061	9/22/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepiline Water Well
FSP062	9/22/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepiline Water Well
FSP063	9/22/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepiline Water Well
FSP064	9/22/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepiline Water Well
FSP065	9/22/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepiline Water Well
FSP066	9/22/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepiline Water Well
FSP067	9/22/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepiline Water Well
FSP068	9/22/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepiline Water Well
FSP069	9/22/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepiline Water Well
FSP070	9/22/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepiline Water Well
FSP071	9/23/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepiline Water Well
FSP072	9/23/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepiline Water Well
HSP071	9/21/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepiline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
HSP097	9/23/99		1	1,1,1-Trichloroethane	200	µg/L	U	Seepine Water Well
FHB004	9/23/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepine Water Well
FHB005	9/23/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepine Water Well
FHB008	9/23/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepine Water Well
FHB012	5/3/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepine Water Well
FHB013	9/21/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepine Water Well
FHB014	5/3/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepine Water Well
FHB014	9/23/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	JU	Seepine Water Well
FHB016	5/3/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepine Water Well
FHB016	9/21/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepine Water Well
FHB017	5/3/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepine Water Well
FHB017	9/21/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepine Water Well
FHB018	5/3/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepine Water Well
FHB018	9/21/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepine Water Well
FHB019	5/3/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepine Water Well
FHB019	9/23/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepine Water Well
FHB020	5/3/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepine Water Well
FHB020	9/23/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepine Water Well
FHB022	5/3/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepine Water Well
FHB022	9/21/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepine Water Well
FHB024	5/3/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepine Water Well
FMC002H	5/3/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP061	9/22/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepiline Water Well
FSP062	9/22/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepiline Water Well
FSP063	9/22/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepiline Water Well
FSP064	9/22/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepiline Water Well
FSP065	9/22/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepiline Water Well
FSP066	9/22/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepiline Water Well
FSP067	9/22/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepiline Water Well
FSP068	9/22/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepiline Water Well
FSP069	9/22/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepiline Water Well
FSP070	9/22/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepiline Water Well
FSP071	9/23/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepiline Water Well
FSP072	9/23/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepiline Water Well
HSP071	9/21/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepiline Water Well
HSP097	9/23/99		1	1,1,2,2-Tetrachloroethane	100	µg/L	U	Seepiline Water Well
FHB004	9/23/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepiline Water Well
FHB005	9/23/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepiline Water Well
FHB008	9/23/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepiline Water Well
FHB012	5/3/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepiline Surface Stream Water Well
FHB012	9/21/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepiline Surface Stream Water Well
FHB013	5/3/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepiline Water Well
FHB013	9/21/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepiline Water Well
FHB014	5/3/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepiline Water Well
FHB014	9/23/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepiline Water Well
FHB016	5/3/99		1	1,1,2-Trichloroethane	5	µg/L	JU	Seepiline Water Well
FHB016	9/21/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepiline Water Well
FHB017	5/3/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepiline Water Well
FHB017	9/21/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepiline Water Well
FHB018	5/3/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepiline Water Well
FHB018	9/21/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepiline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB019	5/3/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepine Water Well
FHB019	9/23/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepine Water Well
FHB020	5/3/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepine Water Well
FHB020	9/23/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepine Water Well
FHB022	5/3/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepine Water Well
FHB022	9/21/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepine Water Well
FHB024	5/3/99		1	1,1,2-Trichloroethane	5	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		1	1,1,2-Trichloroethane	5	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepine Water Well
FMC002H	5/3/99		1	1,1,2-Trichloroethane	5	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		1	1,1,2-Trichloroethane	5	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepine Water Well
FSP061	9/22/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepine Water Well
FSP062	9/22/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepine Water Well
FSP063	9/22/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepine Water Well
FSP064	9/22/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepine Water Well
FSP065	9/22/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepine Water Well
FSP066	9/22/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepine Water Well
FSP067	9/22/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepine Water Well
FSP068	9/22/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepine Water Well
FSP069	9/22/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepine Water Well
FSP070	9/22/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepine Water Well
FSP071	9/23/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepine Water Well
FSP072	9/23/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepine Water Well
HSP071	9/21/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepine Water Well
HSP097	9/23/99		1	1,1,2-Trichloroethane	5	µg/L	U	Seepine Water Well
FHB004	9/23/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FHB005	9/23/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB008	9/23/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FHB012	5/3/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		0.678	1,1-Dichloroethane	20	µg/L	J	Seepine Surface Stream Water Well
FHB013	5/3/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FHB013	9/21/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FHB014	5/3/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FHB014	9/23/99		1	1,1-Dichloroethane	20	µg/L	JU	Seepine Water Well
FHB016	5/3/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FHB016	9/21/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FHB017	5/3/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FHB017	9/21/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FHB018	5/3/99		0.698	1,1-Dichloroethane	20	µg/L	J	Seepine Water Well
FHB018	9/21/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FHB019	5/3/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FHB019	9/23/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FHB020	5/3/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FHB020	9/23/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FHB022	5/3/99		2.45	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FHB022	9/21/99		2.08	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FHB024	5/3/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FHB024	9/23/99		1	1,1-Dichloroethane	20	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1	1,1-Dichloroethane	20	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB030	9/23/99		2.71	1,1-Dichloroethane	20	µg/L	U	Seepine Surface Stream Water Well
FMC002H	5/3/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FMC002H	9/23/99		1	1,1-Dichloroethane	20	µg/L	U	FMB Surface Water Well
FSP060	9/22/99		1	1,1-Dichloroethane	20	µg/L	JU	FMB Surface Water Well
FSP061	9/22/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FSP062	9/22/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FSP063	9/22/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP064	9/22/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FSP065	9/22/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FSP066	9/22/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FSP067	9/22/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FSP068	9/22/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FSP069	9/22/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FSP070	9/22/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FSP071	9/23/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FSP072	9/23/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
HSP071	9/21/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
HSP097	9/23/99		1	1,1-Dichloroethane	20	µg/L	U	Seepine Water Well
FHB004	9/23/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FHB005	9/23/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FHB008	9/23/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FHB012	5/3/99 +		57	1,1-Dichloroethylene	7	µg/L		Seepine Surface Stream Water Well
FHB012	9/21/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FHB013	9/21/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FHB014	5/3/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FHB014	9/23/99		1	1,1-Dichloroethylene	7	µg/L	JU	Seepine Water Well
FHB016	5/3/99 +		58.5	1,1-Dichloroethylene	7	µg/L		Seepine Water Well
FHB016	9/21/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FHB017	5/3/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FHB017	9/21/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FHB018	5/3/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FHB018	9/21/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FHB019	5/3/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FHB019	9/23/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FHB020	5/3/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB020	9/23/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FHB022	5/3/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FHB022	9/21/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FHB024	5/3/99		1	1,1-Dichloroethylene	7	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		1	1,1-Dichloroethylene	7	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FMC002H	5/3/99		1	1,1-Dichloroethylene	7	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		61.9	1,1-Dichloroethylene	7	µg/L	J	FMB Surface Water Well
FSP060	9/22/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FSP061	9/22/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FSP062	9/22/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FSP063	9/22/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FSP064	9/22/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FSP065	9/22/99	+	46.4	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FSP066	9/22/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FSP067	9/22/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FSP068	9/22/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FSP069	9/22/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FSP070	9/22/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FSP071	9/23/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FSP072	9/23/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
HSP071	9/21/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
HSP097	9/23/99		1	1,1-Dichloroethylene	7	µg/L	U	Seepine Water Well
FHB004	9/23/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FHB005	9/23/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FHB008	9/23/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FHB012	5/3/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Surface Stream Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB013	5/3/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FHB013	9/21/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FHB014	5/3/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FHB014	9/23/99		1	1,2,3-Trichloropropane	20	µg/L	JU	Seepine Water Well
FHB016	5/3/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FHB016	9/21/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FHB017	5/3/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FHB017	9/21/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FHB018	5/3/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FHB018	9/21/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FHB019	5/3/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FHB019	9/23/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FHB020	5/3/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FHB020	9/23/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FHB022	5/3/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FHB022	9/21/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FHB024	5/3/99		1	1,2,3-Trichloropropane	20	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		1	1,2,3-Trichloropropane	20	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FMC002H	5/3/99		1	1,2,3-Trichloropropane	20	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		1	1,2,3-Trichloropropane	20	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FSP061	9/22/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FSP062	9/22/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FSP063	9/22/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FSP064	9/22/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FSP065	9/22/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FSP066	9/22/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP067	9/22/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FSP068	9/22/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FSP069	9/22/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FSP070	9/22/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FSP071	9/23/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FSP072	9/23/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
HSP071	9/21/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
HSP097	9/23/99		1	1,2,3-Trichloropropane	20	µg/L	U	Seepine Water Well
FHB004	9/23/99		1	1,2,3-Trichloropropane	0.2	µg/L	U	Seepine Water Well
FHB005	9/23/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepine Water Well
FHB008	9/23/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepine Water Well
FHB012	5/3/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepine Water Well
FHB012	9/21/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepine Surface Stream Water Well
FHB013	9/21/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepine Water Well
FHB014	5/3/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepine Water Well
FHB014	9/23/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepine Water Well
FHB016	5/3/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	JU	Seepine Water Well
FHB016	9/21/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepine Water Well
FHB017	5/3/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepine Water Well
FHB017	9/21/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepine Water Well
FHB018	5/3/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepine Water Well
FHB018	9/21/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepine Water Well
FHB019	5/3/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepine Water Well
FHB019	9/23/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepine Water Well
FHB020	5/3/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepine Water Well
FHB020	9/23/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepine Water Well
FHB022	5/3/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepine Water Well
FHB022	9/21/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB024	5/3/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepiline Surface Stream Water Well
FHB030	9/23/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepiline Water Well
FMC002H	5/3/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepiline Water Well
FSP061	9/22/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepiline Water Well
FSP062	9/22/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepiline Water Well
FSP063	9/22/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepiline Water Well
FSP064	9/22/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepiline Water Well
FSP065	9/22/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepiline Water Well
FSP066	9/22/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepiline Water Well
FSP067	9/22/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepiline Water Well
FSP068	9/22/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepiline Water Well
FSP069	9/22/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepiline Water Well
FSP070	9/22/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepiline Water Well
FSP071	9/23/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepiline Water Well
FSP072	9/23/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepiline Water Well
HSP071	9/21/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepiline Water Well
HSP097	9/23/99		1	1,2-Dibromo-3-chloropropane	0.2	µg/L	U	Seepiline Water Well
FHB004	9/23/99		1	1,2-Dibromoethane	0.05	µg/L	U	Seepiline Water Well
FHB005	9/23/99		1	1,2-Dibromoethane	0.05	µg/L	U	Seepiline Water Well
FHB008	9/23/99		1	1,2-Dibromoethane	0.05	µg/L	U	Seepiline Water Well
FHB012	5/3/99		1	1,2-Dibromoethane	0.05	µg/L	U	Seepiline Surface Stream Water Well
FHB012	9/21/99		1	1,2-Dibromoethane	0.05	µg/L	U	Seepiline Surface Stream Water Well
FHB013	5/3/99		1	1,2-Dibromoethane	0.05	µg/L	U	Seepiline Water Well
FHB013	9/21/99		1	1,2-Dibromoethane	0.05	µg/L	U	Seepiline Water Well
FHB014	5/3/99		1	1,2-Dibromoethane	0.05	µg/L	U	Seepiline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB014	9/23/99	1	1	1,2-Dibromoethane	0.05	µg/L	JU	Seepine Water Well
FHB016	5/3/99	1	1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well
FHB016	9/21/99	1	1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well
FHB017	5/3/99	1	1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well
FHB017	9/21/99	1	1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well
FHB018	5/3/99	1	1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well
FHB018	9/21/99	1	1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well
FHB019	5/3/99	1	1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well
FHB019	9/23/99	1	1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well
FHB020	5/3/99	1	1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well
FHB020	9/23/99	1	1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well
FHB022	5/3/99	1	1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well
FHB022	9/21/99	1	1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well
FHB024	5/3/99	1	1	1,2-Dibromoethane	0.05	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99	1	1	1,2-Dibromoethane	0.05	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99	1	1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99	1	1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well
FMC002H	5/3/99	1	1	1,2-Dibromoethane	0.05	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99	1	1	1,2-Dibromoethane	0.05	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99	1	1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well
FSP061	9/22/99	1	1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well
FSP062	9/22/99	1	1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well
FSP063	9/22/99	1	1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well
FSP064	9/22/99	1	1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well
FSP065	9/22/99	1	1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well
FSP066	9/22/99	1	1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well
FSP067	9/22/99	1	1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well
FSP068	9/22/99	1	1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well
FSP069	9/22/99	1	1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP070	9/22/99		1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well
FSP071	9/23/99		1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well
FSP072	9/23/99		1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well
HSP071	9/21/99		1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well
HSP097	9/23/99		1	1,2-Dibromoethane	0.05	µg/L	U	Seepine Water Well
FHB004	9/23/99		1	1,2-Dichloroethane	5	µg/L	U	Seepine Water Well
FHB005	9/23/99		1	1,2-Dichloroethane	5	µg/L	U	Seepine Water Well
FHB008	9/23/99		1	1,2-Dichloroethane	5	µg/L	U	Seepine Water Well
FHB012	5/3/99		1	1,2-Dichloroethane	5	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		1	1,2-Dichloroethane	5	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		1	1,2-Dichloroethane	5	µg/L	U	Seepine Water Well
FHB013	9/21/99		1	1,2-Dichloroethane	5	µg/L	U	Seepine Water Well
FHB014	5/3/99		1	1,2-Dichloroethane	5	µg/L	U	Seepine Water Well
FHB014	9/23/99		1	1,2-Dichloroethane	5	µg/L	JU	Seepine Water Well
FHB016	5/3/99		1	1,2-Dichloroethane	5	µg/L	U	Seepine Water Well
FHB016	9/21/99		1	1,2-Dichloroethane	5	µg/L	U	Seepine Water Well
FHB017	5/3/99		1	1,2-Dichloroethane	5	µg/L	U	Seepine Water Well
FHB017	9/21/99		1	1,2-Dichloroethane	5	µg/L	U	Seepine Water Well
FHB018	5/3/99		1	1,2-Dichloroethane	5	µg/L	U	Seepine Water Well
FHB018	9/21/99		1	1,2-Dichloroethane	5	µg/L	U	Seepine Water Well
FHB019	5/3/99		1	1,2-Dichloroethane	5	µg/L	U	Seepine Water Well
FHB019	9/23/99		1	1,2-Dichloroethane	5	µg/L	U	Seepine Water Well
FHB020	5/3/99		1	1,2-Dichloroethane	5	µg/L	U	Seepine Water Well
FHB020	9/23/99		1	1,2-Dichloroethane	5	µg/L	U	Seepine Water Well
FHB022	5/3/99		1	1,2-Dichloroethane	5	µg/L	U	Seepine Water Well
FHB022	9/21/99		1	1,2-Dichloroethane	5	µg/L	U	Seepine Water Well
FHB024	5/3/99		1	1,2-Dichloroethane	5	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		1	1,2-Dichloroethane	5	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1	1,2-Dichloroethane	5	µg/L	U	Seepine Surface Stream Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB030	9/23/99		1	1,2-Dichloroethane	5	µg/L	U	Seepiline Water Well
FMC002H	5/3/99		1	1,2-Dichloroethane	5	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		1	1,2-Dichloroethane	5	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		1	1,2-Dichloroethane	5	µg/L	U	Seepiline Water Well
FSP061	9/22/99		1	1,2-Dichloroethane	5	µg/L	U	Seepiline Water Well
FSP062	9/22/99		1	1,2-Dichloroethane	5	µg/L	U	Seepiline Water Well
FSP063	9/22/99		1	1,2-Dichloroethane	5	µg/L	U	Seepiline Water Well
FSP064	9/22/99		1	1,2-Dichloroethane	5	µg/L	U	Seepiline Water Well
FSP065	9/22/99		1	1,2-Dichloroethane	5	µg/L	U	Seepiline Water Well
FSP066	9/22/99		1	1,2-Dichloroethane	5	µg/L	U	Seepiline Water Well
FSP067	9/22/99		1	1,2-Dichloroethane	5	µg/L	U	Seepiline Water Well
FSP068	9/22/99		1	1,2-Dichloroethane	5	µg/L	U	Seepiline Water Well
FSP069	9/22/99		1	1,2-Dichloroethane	5	µg/L	U	Seepiline Water Well
FSP070	9/22/99		1	1,2-Dichloroethane	5	µg/L	U	Seepiline Water Well
FSP071	9/23/99		1	1,2-Dichloroethane	5	µg/L	U	Seepiline Water Well
FSP072	9/23/99		1	1,2-Dichloroethane	5	µg/L	U	Seepiline Water Well
HSP071	9/21/99		1	1,2-Dichloroethane	5	µg/L	U	Seepiline Water Well
HSP097	9/23/99		1	1,2-Dichloroethane	5	µg/L	U	Seepiline Water Well
FHB004	9/23/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FHB005	9/23/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FHB008	9/23/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FHB012	5/3/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Surface Stream Water Well
FHB012	9/21/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Surface Stream Water Well
FHB013	5/3/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FHB013	9/21/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FHB014	5/3/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FHB014	9/23/99		1	1,2-Dichloropropane	5	µg/L	JU	Seepiline Water Well
FHB016	5/3/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FHB016	9/21/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB017	5/3/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FHB017	9/21/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FHB018	5/3/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FHB018	9/21/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FHB019	5/3/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FHB019	9/23/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FHB020	5/3/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FHB020	9/23/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FHB022	5/3/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FHB022	9/21/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FHB024	5/3/99		1	1,2-Dichloropropane	5	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		1	1,2-Dichloropropane	5	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Surface Stream Water Well
FHB030	9/23/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FMC002H	5/3/99		1	1,2-Dichloropropane	5	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		1	1,2-Dichloropropane	5	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FSP061	9/22/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FSP062	9/22/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FSP063	9/22/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FSP064	9/22/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FSP065	9/22/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FSP066	9/22/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FSP067	9/22/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FSP068	9/22/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FSP069	9/22/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FSP070	9/22/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FSP071	9/23/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well
FSP072	9/23/99		1	1,2-Dichloropropane	5	µg/L	U	Seepiline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
HSP071	9/21/99		1	1,2-Dichloropropane	5	µg/L	U	Seepline Water Well
HSP097	9/23/99		1	1,2-Dichloropropane	5	µg/L	U	Seepline Water Well
FHB004	9/23/99		5	2-Hexanone	100	µg/L	U	Seepline Water Well
FHB005	9/23/99		5	2-Hexanone	100	µg/L	U	Seepline Water Well
FHB008	9/23/99		5	2-Hexanone	100	µg/L	U	Seepline Water Well
FHB012	5/3/99		5	2-Hexanone	100	µg/L	U	Seepline Surface Stream Water Well
FHB012	9/21/99		5	2-Hexanone	100	µg/L	U	Seepline Surface Stream Water Well
FHB013	5/3/99		5	2-Hexanone	100	µg/L	U	Seepline Water Well
FHB013	9/21/99		5	2-Hexanone	100	µg/L	U	Seepline Water Well
FHB014	5/3/99		5	2-Hexanone	100	µg/L	U	Seepline Water Well
FHB014	9/23/99		5	2-Hexanone	100	µg/L	U	Seepline Water Well
FHB016	5/3/99		5	2-Hexanone	100	µg/L	U	Seepline Water Well
FHB016	9/21/99		5	2-Hexanone	100	µg/L	U	Seepline Water Well
FHB017	5/3/99		5	2-Hexanone	100	µg/L	JU	Seepline Water Well
FHB017	9/21/99		5	2-Hexanone	100	µg/L	U	Seepline Water Well
FHB018	5/3/99		5	2-Hexanone	100	µg/L	U	Seepline Water Well
FHB018	9/21/99		5	2-Hexanone	100	µg/L	U	Seepline Water Well
FHB019	5/3/99		5	2-Hexanone	100	µg/L	U	Seepline Water Well
FHB019	9/23/99		5	2-Hexanone	100	µg/L	U	Seepline Water Well
FHB020	5/3/99		5	2-Hexanone	100	µg/L	U	Seepline Water Well
FHB020	9/23/99		5	2-Hexanone	100	µg/L	U	Seepline Water Well
FHB022	5/3/99		5	2-Hexanone	100	µg/L	U	Seepline Water Well
FHB022	9/21/99		5	2-Hexanone	100	µg/L	U	Seepline Water Well
FHB024	5/3/99		5	2-Hexanone	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		5	2-Hexanone	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		5	2-Hexanone	100	µg/L	U	Seepline Surface Stream Water Well
FHB030	9/23/99		5	2-Hexanone	100	µg/L	U	Seepline Water Well
FMC002H	5/3/99		5	2-Hexanone	100	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		5	2-Hexanone	100	µg/L	JU	FMB Surface Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP060	9/22/99		5	2-Hexanone	100	µg/L	U	Seepine Water Well
FSP061	9/22/99		5	2-Hexanone	100	µg/L	U	Seepine Water Well
FSP062	9/22/99		5	2-Hexanone	100	µg/L	U	Seepine Water Well
FSP063	9/22/99		5	2-Hexanone	100	µg/L	U	Seepine Water Well
FSP064	9/22/99		5	2-Hexanone	100	µg/L	U	Seepine Water Well
FSP065	9/22/99		5	2-Hexanone	100	µg/L	U	Seepine Water Well
FSP066	9/22/99		5	2-Hexanone	100	µg/L	U	Seepine Water Well
FSP067	9/22/99		5	2-Hexanone	100	µg/L	U	Seepine Water Well
FSP068	9/22/99		5	2-Hexanone	100	µg/L	U	Seepine Water Well
FSP069	9/22/99		5	2-Hexanone	100	µg/L	U	Seepine Water Well
FSP070	9/22/99		5	2-Hexanone	100	µg/L	U	Seepine Water Well
FSP071	9/23/99		5	2-Hexanone	100	µg/L	U	Seepine Water Well
FSP072	9/23/99		5	2-Hexanone	100	µg/L	U	Seepine Water Well
HSP071	9/21/99		5	2-Hexanone	100	µg/L	U	Seepine Water Well
HSP097	9/23/99		5	2-Hexanone	100	µg/L	U	Seepine Water Well
FHB004	9/23/99		11.6	Acetone	1000	µg/L		Seepine Water Well
FHB005	9/23/99		8.39	Acetone	1000	µg/L	J	Seepine Water Well
FHB008	9/23/99		5	Acetone	1000	µg/L	U	Seepine Water Well
FHB012	5/3/99		5.83	Acetone	1000	µg/L		Seepine Surface Stream Water Well
FHB012	9/21/99		5	Acetone	1000	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		6.07	Acetone	1000	µg/L		Seepine Water Well
FHB013	9/21/99		5	Acetone	1000	µg/L	U	Seepine Water Well
FHB014	5/3/99		5	Acetone	1000	µg/L	U	Seepine Water Well
FHB014	9/23/99		5	Acetone	1000	µg/L	JU	Seepine Water Well
FHB016	5/3/99		3.99	Acetone	1000	µg/L	J	Seepine Water Well
FHB016	9/21/99		5.96	Acetone	1000	µg/L	U	Seepine Water Well
FHB017	5/3/99		5	Acetone	1000	µg/L	U	Seepine Water Well
FHB017	9/21/99		4.52	Acetone	1000	µg/L	JU	Seepine Water Well
FHB018	5/3/99		5	Acetone	1000	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB018	9/21/99		5	Acetone	1000	µg/L	U	Seepine Water Well
FHB019	5/3/99		5	Acetone	1000	µg/L	U	Seepine Water Well
FHB019	9/23/99		5	Acetone	1000	µg/L	U	Seepine Water Well
FHB020	5/3/99		13.6	Acetone	1000	µg/L		Seepine Water Well
FHB020	9/23/99		5	Acetone	1000	µg/L	U	Seepine Water Well
FHB022	5/3/99		5	Acetone	1000	µg/L	U	Seepine Water Well
FHB022	9/21/99		5	Acetone	1000	µg/L	U	Seepine Water Well
FHB024	5/3/99		5	Acetone	1000	µg/L	U	Seepine Water Well
FHB024	9/23/99		5	Acetone	1000	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		5	Acetone	1000	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB030	9/23/99		5	Acetone	1000	µg/L	U	Seepine Surface Stream Water Well
FMC002H	5/3/99		5	Acetone	1000	µg/L	U	Seepine Water Well
FMC002H	9/23/99		5	Acetone	1000	µg/L	U	FMB Surface Water Well
FSP060	9/22/99		5	Acetone	1000	µg/L	JU	FMB Surface Water Well
FSP061	9/22/99		5	Acetone	1000	µg/L	U	Seepine Water Well
FSP062	9/22/99		4.37	Acetone	1000	µg/L	U	Seepine Water Well
FSP063	9/22/99		5	Acetone	1000	µg/L	JU	Seepine Water Well
FSP064	9/22/99		5	Acetone	1000	µg/L	U	Seepine Water Well
FSP065	9/22/99		4.09	Acetone	1000	µg/L	U	Seepine Water Well
FSP066	9/22/99		4.46	Acetone	1000	µg/L	JU	Seepine Water Well
FSP067	9/22/99		4.35	Acetone	1000	µg/L	JU	Seepine Water Well
FSP068	9/22/99		5	Acetone	1000	µg/L	U	Seepine Water Well
FSP069	9/22/99		5	Acetone	1000	µg/L	U	Seepine Water Well
FSP070	9/22/99		7.3	Acetone	1000	µg/L	U	Seepine Water Well
FSP071	9/23/99		5	Acetone	1000	µg/L	U	Seepine Water Well
FSP072	9/23/99		5	Acetone	1000	µg/L	U	Seepine Water Well
HSP071	9/21/99		5	Acetone	1000	µg/L	U	Seepine Water Well
HSP097	9/23/99		5	Acetone	1000	µg/L	U	Seepine Water Well
FHB004	9/23/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB005	9/23/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FHB008	9/23/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FHB012	5/3/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FHB013	9/21/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FHB014	5/3/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FHB014	9/23/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	JU	Seepine Water Well
FHB016	5/3/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FHB016	9/21/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FHB017	5/3/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FHB017	9/21/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FHB018	5/3/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FHB018	9/21/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FHB019	5/3/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FHB019	9/23/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FHB020	5/3/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FHB020	9/23/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FHB022	5/3/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FHB022	9/21/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FHB024	5/3/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FMC002H	5/3/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FMC002H	9/23/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	FMB Surface Water Well
FSP060	9/22/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	JU	FMB Surface Water Well
FSP061	9/22/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FSP062	9/22/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP063	9/22/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FSP064	9/22/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FSP065	9/22/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FSP066	9/22/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FSP067	9/22/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FSP068	9/22/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FSP069	9/22/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FSP070	9/22/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FSP071	9/23/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FSP072	9/23/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
HSP071	9/21/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
HSP097	9/23/99		25	Acetonitrile (Methyl cyanide)	100	µg/L	U	Seepine Water Well
FHB004	9/23/99		10	Acrolein	333	µg/L	U	Seepine Water Well
FHB005	9/23/99		10	Acrolein	333	µg/L	U	Seepine Water Well
FHB008	9/23/99		10	Acrolein	333	µg/L	U	Seepine Water Well
FHB012	5/3/99		10	Acrolein	333	µg/L	U	Seepine Water Well
FHB012	9/21/99		10	Acrolein	333	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		10	Acrolein	333	µg/L	U	Seepine Surface Stream Water Well
FHB013	9/21/99		10	Acrolein	333	µg/L	U	Seepine Water Well
FHB014	5/3/99		10	Acrolein	333	µg/L	U	Seepine Water Well
FHB014	9/23/99		10	Acrolein	333	µg/L	JU	Seepine Water Well
FHB016	5/3/99		10	Acrolein	333	µg/L	U	Seepine Water Well
FHB016	9/21/99		10	Acrolein	333	µg/L	U	Seepine Water Well
FHB017	5/3/99		10	Acrolein	333	µg/L	U	Seepine Water Well
FHB017	9/21/99		10	Acrolein	333	µg/L	U	Seepine Water Well
FHB018	5/3/99		10	Acrolein	333	µg/L	U	Seepine Water Well
FHB018	9/21/99		10	Acrolein	333	µg/L	U	Seepine Water Well
FHB019	5/3/99		10	Acrolein	333	µg/L	U	Seepine Water Well
FHB019	9/23/99		10	Acrolein	333	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB020	5/3/99		10	Acrolein	333	µg/L	U Seepine Water Well	
FHB020	9/23/99		10	Acrolein	333	µg/L	U Seepine Water Well	
FHB022	5/3/99		10	Acrolein	333	µg/L	U Seepine Water Well	
FHB022	9/21/99		10	Acrolein	333	µg/L	U Seepine Water Well	
FHB024	5/3/99		10	Acrolein	333	µg/L	U Engineered Ditch Surface Stream Water Well	
FHB024	9/23/99		10	Acrolein	333	µg/L	U Engineered Ditch Surface Stream Water Well	
FHB026	9/21/99		10	Acrolein	333	µg/L	U Seepine Surface Stream Water Well	
FHB030	9/23/99		10	Acrolein	333	µg/L	U Seepine Water Well	
FMC002H	5/3/99		10	Acrolein	333	µg/L	U FMB Surface Water Well	
FMC002H	9/23/99		10	Acrolein	333	µg/L	JU FMB Surface Water Well	
FSP060	9/22/99		10	Acrolein	333	µg/L	U Seepine Water Well	
FSP061	9/22/99		10	Acrolein	333	µg/L	U Seepine Water Well	
FSP062	9/22/99		10	Acrolein	333	µg/L	U Seepine Water Well	
FSP063	9/22/99		10	Acrolein	333	µg/L	U Seepine Water Well	
FSP064	9/22/99		10	Acrolein	333	µg/L	U Seepine Water Well	
FSP065	9/22/99		10	Acrolein	333	µg/L	U Seepine Water Well	
FSP066	9/22/99		10	Acrolein	333	µg/L	U Seepine Water Well	
FSP067	9/22/99		10	Acrolein	333	µg/L	U Seepine Water Well	
FSP068	9/22/99		10	Acrolein	333	µg/L	U Seepine Water Well	
FSP069	9/22/99		10	Acrolein	333	µg/L	U Seepine Water Well	
FSP070	9/22/99		10	Acrolein	333	µg/L	U Seepine Water Well	
FSP071	9/23/99		10	Acrolein	333	µg/L	U Seepine Water Well	
FSP072	9/23/99		10	Acrolein	333	µg/L	U Seepine Water Well	
HSP071	9/21/99		10	Acrolein	333	µg/L	U Seepine Water Well	
HSP097	9/23/99		10	Acrolein	333	µg/L	U Seepine Water Well	
FHB004	9/23/99		10	Acrylonitrile	500	µg/L	U Seepine Water Well	
FHB005	9/23/99		10	Acrylonitrile	500	µg/L	U Seepine Water Well	
FHB008	9/23/99		10	Acrylonitrile	500	µg/L	U Seepine Water Well	
FHB012	5/3/99		10	Acrylonitrile	500	µg/L	U Seepine Surface Stream Water Well	

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB012	9/21/99		10	Acrylonitrile	500	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FHB013	9/21/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FHB014	5/3/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FHB014	9/23/99		10	Acrylonitrile	500	µg/L	JU	Seepine Water Well
FHB016	5/3/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FHB016	9/21/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FHB017	5/3/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FHB017	9/21/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FHB018	5/3/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FHB018	9/21/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FHB019	5/3/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FHB019	9/23/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FHB020	5/3/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FHB020	9/23/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FHB022	5/3/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FHB022	9/21/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FHB024	5/3/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FHB024	9/23/99		10	Acrylonitrile	500	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		10	Acrylonitrile	500	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB030	9/23/99		10	Acrylonitrile	500	µg/L	U	Seepine Surface Stream Water Well
FMC002H	5/3/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FMC002H	9/23/99		10	Acrylonitrile	500	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		10	Acrylonitrile	500	µg/L	U	FMB Surface Water Well
FSP061	9/22/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FSP062	9/22/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FSP063	9/22/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FSP064	9/22/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FSP065	9/22/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP066	9/22/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FSP067	9/22/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FSP068	9/22/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FSP069	9/22/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FSP070	9/22/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FSP071	9/23/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FSP072	9/23/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
HSP071	9/21/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
HSP097	9/23/99		10	Acrylonitrile	500	µg/L	U	Seepine Water Well
FHB004	9/23/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FHB005	9/23/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FHB008	9/23/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FHB012	5/3/99		5	Allyl chloride	833	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		5	Allyl chloride	833	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FHB013	9/21/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FHB014	5/3/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FHB014	9/23/99		5	Allyl chloride	833	µg/L	JU	Seepine Water Well
FHB016	5/3/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FHB016	9/21/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FHB017	5/3/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FHB017	9/21/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FHB018	5/3/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FHB018	9/21/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FHB019	5/3/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FHB019	9/23/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FHB020	5/3/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FHB020	9/23/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FHB022	5/3/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB022	9/21/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FHB024	5/3/99		5	Allyl chloride	833	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		5	Allyl chloride	833	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		5	Allyl chloride	833	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FMC002H	5/3/99		5	Allyl chloride	833	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		5	Allyl chloride	833	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FSP061	9/22/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FSP062	9/22/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FSP063	9/22/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FSP064	9/22/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FSP065	9/22/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FSP066	9/22/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FSP067	9/22/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FSP068	9/22/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FSP069	9/22/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FSP070	9/22/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FSP071	9/23/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FSP072	9/23/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
HSP071	9/21/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
HSP097	9/23/99		5	Allyl chloride	833	µg/L	U	Seepine Water Well
FHB004	9/23/99 +		11800	Aluminum, total recoverable	50	µg/L		Seepine Water Well
FHB005	9/23/99		66400	Aluminum, total recoverable	50	µg/L	J	Seepine Water Well
FHB008	9/23/99		712	Aluminum, total recoverable	50	µg/L	J	Seepine Water Well
FHB012	5/3/99 +		477	Aluminum, total recoverable	50	µg/L		Seepine Surface Stream Water Well
FHB012	9/21/99		394	Aluminum, total recoverable	50	µg/L	J	Seepine Surface Stream Water Well
FHB013	5/3/99 +		41600	Aluminum, total recoverable	50	µg/L		Seepine Water Well
FHB013	9/21/99		1400	Aluminum, total recoverable	50	µg/L	J	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB014	5/3/99	+	2280	Aluminum, total recoverable	50	µg/L		Seepiline Water Well
FHB014	9/23/99		160	Aluminum, total recoverable	50	µg/L	J	Seepiline Water Well
FHB016	5/3/99	+	150000	Aluminum, total recoverable	50	µg/L		Seepiline Water Well
FHB016	9/21/99	+	5550	Aluminum, total recoverable	50	µg/L		Seepiline Water Well
FHB017	5/3/99	+	65500	Aluminum, total recoverable	50	µg/L		Seepiline Water Well
FHB017	9/21/99	+	4610	Aluminum, total recoverable	50	µg/L		Seepiline Water Well
FHB018	5/3/99	+	4650	Aluminum, total recoverable	50	µg/L		Seepiline Water Well
FHB018	9/21/99		64300	Aluminum, total recoverable	50	µg/L	J	Seepiline Water Well
FHB019	5/3/99	+	1190	Aluminum, total recoverable	50	µg/L		Seepiline Water Well
FHB019	9/23/99		1190	Aluminum, total recoverable	50	µg/L	J	Seepiline Water Well
FHB020	5/3/99	+	275000	Aluminum, total recoverable	50	µg/L		Seepiline Water Well
FHB020	9/23/99		277000	Aluminum, total recoverable	50	µg/L	J	Seepiline Water Well
FHB022	5/3/99	+	797	Aluminum, total recoverable	50	µg/L		Seepiline Water Well
FHB022	9/21/99		107	Aluminum, total recoverable	50	µg/L	J	Seepiline Water Well
FHB024	5/3/99	+	151	Aluminum, total recoverable	50	µg/L		Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		229	Aluminum, total recoverable	50	µg/L	J	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		181	Aluminum, total recoverable	50	µg/L	J	Seepiline Surface Stream Water Well
FHB030	9/23/99		93.3	Aluminum, total recoverable	50	µg/L	J	Seepiline Water Well
FMC002H	5/3/99	+	83	Aluminum, total recoverable	50	µg/L		FMB Surface Water Well
FMC002H	9/23/99		1250	Aluminum, total recoverable	50	µg/L	J	FMB Surface Water Well
FSP060	9/22/99		1600	Aluminum, total recoverable	50	µg/L	J	Seepiline Water Well
FSP061	9/22/99		1250	Aluminum, total recoverable	50	µg/L	J	Seepiline Water Well
FSP062	9/22/99		1650	Aluminum, total recoverable	50	µg/L	J	Seepiline Water Well
FSP063	9/22/99		72.5	Aluminum, total recoverable	50	µg/L	J	Seepiline Water Well
FSP064	9/22/99		2330	Aluminum, total recoverable	50	µg/L	J	Seepiline Water Well
FSP065	9/22/99		575	Aluminum, total recoverable	50	µg/L	J	Seepiline Water Well
FSP066	9/22/99		1990	Aluminum, total recoverable	50	µg/L	J	Seepiline Water Well
FSP067	9/22/99		160	Aluminum, total recoverable	50	µg/L	J	Seepiline Water Well
FSP068	9/22/99		466	Aluminum, total recoverable	50	µg/L	J	Seepiline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP069	9/22/99		279	Aluminum, total recoverable	50	µg/L	J	Seepine Water Well
FSP070	9/22/99		6620	Aluminum, total recoverable	50	µg/L	J	Seepine Water Well
FSP071	9/23/99		3810	Aluminum, total recoverable	50	µg/L	J	Seepine Water Well
FSP072	9/23/99		15800	Aluminum, total recoverable	50	µg/L	J	Seepine Water Well
HSP071	9/21/99		4180	Aluminum, total recoverable	50	µg/L	J	Seepine Water Well
HSP097	9/23/99		86600	Aluminum, total recoverable	50	µg/L	J	Seepine Water Well
FHB004	9/23/99	+	517	Antimony, total recoverable	6	µg/L		Seepine Water Well
FHB005	9/23/99		10	Antimony, total recoverable	6	µg/L	U	Seepine Water Well
FHB008	9/23/99		10	Antimony, total recoverable	6	µg/L	U	Seepine Water Well
FHB012	5/3/99		10	Antimony, total recoverable	6	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		10	Antimony, total recoverable	6	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		10	Antimony, total recoverable	6	µg/L	U	Seepine Surface Stream Water Well
FHB013	9/21/99		10	Antimony, total recoverable	6	µg/L	U	Seepine Water Well
FHB014	5/3/99		10	Antimony, total recoverable	6	µg/L	U	Seepine Water Well
FHB014	9/23/99		10	Antimony, total recoverable	6	µg/L	U	Seepine Water Well
FHB016	5/3/99		20	Antimony, total recoverable	6	µg/L	U	Seepine Water Well
FHB016	9/21/99	+	1050	Antimony, total recoverable	6	µg/L	U	Seepine Water Well
FHB017	5/3/99		10	Antimony, total recoverable	6	µg/L	U	Seepine Water Well
FHB017	9/21/99	+	1100	Antimony, total recoverable	6	µg/L	U	Seepine Water Well
FHB018	5/3/99	+	991	Antimony, total recoverable	6	µg/L	U	Seepine Water Well
FHB018	9/21/99		10	Antimony, total recoverable	6	µg/L	U	Seepine Water Well
FHB019	5/3/99		10	Antimony, total recoverable	6	µg/L	U	Seepine Water Well
FHB019	9/23/99		10	Antimony, total recoverable	6	µg/L	U	Seepine Water Well
FHB020	5/3/99		20	Antimony, total recoverable	6	µg/L	U	Seepine Water Well
FHB020	9/23/99		10	Antimony, total recoverable	6	µg/L	U	Seepine Water Well
FHB022	5/3/99		10	Antimony, total recoverable	6	µg/L	U	Seepine Water Well
FHB022	9/21/99		10	Antimony, total recoverable	6	µg/L	U	Seepine Water Well
FHB024	5/3/99		10	Antimony, total recoverable	6	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		10	Antimony, total recoverable	6	µg/L	U	Engineered Ditch Surface Stream Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB026	9/21/99		10	Antimony, total recoverable	6	µg/L	U	Seepline Surface Stream Water Well
FHB030	9/23/99		10	Antimony, total recoverable	6	µg/L	U	Seepline Water Well
FMC002H	5/3/99		10	Antimony, total recoverable	6	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		10	Antimony, total recoverable	6	µg/L	U	FMB Surface Water Well
FSP060	9/22/99		10	Antimony, total recoverable	6	µg/L	U	Seepline Water Well
FSP061	9/22/99		10	Antimony, total recoverable	6	µg/L	U	Seepline Water Well
FSP062	9/22/99		10	Antimony, total recoverable	6	µg/L	U	Seepline Water Well
FSP063	9/22/99		10	Antimony, total recoverable	6	µg/L	U	Seepline Water Well
FSP064	9/22/99		10	Antimony, total recoverable	6	µg/L	U	Seepline Water Well
FSP065	9/22/99		10	Antimony, total recoverable	6	µg/L	U	Seepline Water Well
FSP066	9/22/99		10	Antimony, total recoverable	6	µg/L	U	Seepline Water Well
FSP067	9/22/99		10	Antimony, total recoverable	6	µg/L	U	Seepline Water Well
FSP068	9/22/99		10	Antimony, total recoverable	6	µg/L	U	Seepline Water Well
FSP069	9/22/99		10	Antimony, total recoverable	6	µg/L	U	Seepline Water Well
FSP070	9/22/99		10	Antimony, total recoverable	6	µg/L	U	Seepline Water Well
FSP071	9/23/99		10	Antimony, total recoverable	6	µg/L	U	Seepline Water Well
FSP072	9/23/99		10	Antimony, total recoverable	6	µg/L	U	Seepline Water Well
HSP071	9/21/99		10	Antimony, total recoverable	6	µg/L	U	Seepline Water Well
HSP097	9/23/99		10	Antimony, total recoverable	6	µg/L	U	Seepline Water Well
FHB004	9/23/99 +		511	Arsenic, total recoverable	50	µg/L		Seepline Water Well
FHB005	9/23/99		8.91	Arsenic, total recoverable	50	µg/L		Seepline Water Well
FHB008	9/23/99		5	Arsenic, total recoverable	50	µg/L	U	Seepline Water Well
FHB012	5/3/99		5	Arsenic, total recoverable	50	µg/L	U	Seepline Surface Stream Water Well
FHB012	9/21/99		5	Arsenic, total recoverable	50	µg/L	U	Seepline Surface Stream Water Well
FHB013	5/3/99		5	Arsenic, total recoverable	50	µg/L	U	Seepline Water Well
FHB013	9/21/99		5	Arsenic, total recoverable	50	µg/L	U	Seepline Water Well
FHB014	5/3/99		5	Arsenic, total recoverable	50	µg/L	U	Seepline Water Well
FHB014	9/23/99		5	Arsenic, total recoverable	50	µg/L	U	Seepline Water Well
FHB016	5/3/99 +		60.6	Arsenic, total recoverable	50	µg/L		Seepline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB016	9/21/99	+	1080	Arsenic, total recoverable	50	µg/L		Seepine Water Well
FHB017	5/3/99		10.3	Arsenic, total recoverable	50	µg/L		Seepine Water Well
FHB017	9/21/99	+	1140	Arsenic, total recoverable	50	µg/L		Seepine Water Well
FHB018	5/3/99	+	1030	Arsenic, total recoverable	50	µg/L		Seepine Water Well
FHB018	9/21/99	+	66.9	Arsenic, total recoverable	50	µg/L		Seepine Water Well
FHB019	5/3/99		5	Arsenic, total recoverable	50	µg/L		U Seepine Water Well
FHB019	9/23/99		5	Arsenic, total recoverable	50	µg/L		U Seepine Water Well
FHB020	5/3/99	+	54	Arsenic, total recoverable	50	µg/L		Seepine Water Well
FHB020	9/23/99	+	50.5	Arsenic, total recoverable	50	µg/L		Seepine Water Well
FHB022	5/3/99		5	Arsenic, total recoverable	50	µg/L		U Seepine Water Well
FHB022	9/21/99		5	Arsenic, total recoverable	50	µg/L		U Seepine Water Well
FHB024	5/3/99		5	Arsenic, total recoverable	50	µg/L		U Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		5	Arsenic, total recoverable	50	µg/L		U Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		5	Arsenic, total recoverable	50	µg/L		U Seepine Surface Stream Water Well
FHB030	9/23/99		5	Arsenic, total recoverable	50	µg/L		U Seepine Water Well
FMC002H	5/3/99		5	Arsenic, total recoverable	50	µg/L		U FMB Surface Water Well
FMC002H	9/23/99		5	Arsenic, total recoverable	50	µg/L		U FMB Surface Water Well
FSP060	9/22/99		5	Arsenic, total recoverable	50	µg/L		U Seepine Water Well
FSP061	9/22/99		5	Arsenic, total recoverable	50	µg/L		U Seepine Water Well
FSP062	9/22/99		5	Arsenic, total recoverable	50	µg/L		U Seepine Water Well
FSP063	9/22/99		5	Arsenic, total recoverable	50	µg/L		U Seepine Water Well
FSP064	9/22/99		6.02	Arsenic, total recoverable	50	µg/L		Seepine Water Well
FSP065	9/22/99		5	Arsenic, total recoverable	50	µg/L		U Seepine Water Well
FSP066	9/22/99		5	Arsenic, total recoverable	50	µg/L		U Seepine Water Well
FSP067	9/22/99		5	Arsenic, total recoverable	50	µg/L		U Seepine Water Well
FSP068	9/22/99		5	Arsenic, total recoverable	50	µg/L		U Seepine Water Well
FSP069	9/22/99		5	Arsenic, total recoverable	50	µg/L		U Seepine Water Well
FSP070	9/22/99		5	Arsenic, total recoverable	50	µg/L		U Seepine Water Well
FSP071	9/23/99		5	Arsenic, total recoverable	50	µg/L		U Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP072	9/23/99		6.56	Arsenic, total recoverable	50	µg/L		Seepine Water Well
HSP071	9/21/99		5	Arsenic, total recoverable	50	µg/L	U	Seepine Water Well
HSP097	9/23/99		15.3	Arsenic, total recoverable	50	µg/L		Seepine Water Well
FHB004	9/23/99		550	Barium, total recoverable	2000	µg/L		Seepine Water Well
FHB005	9/23/99		288	Barium, total recoverable	2000	µg/L		Seepine Water Well
FHB008	9/23/99		12.3	Barium, total recoverable	2000	µg/L		Seepine Water Well
FHB012	5/3/99		138	Barium, total recoverable	2000	µg/L		Seepine Surface Stream Water Well
FHB012	9/21/99		143	Barium, total recoverable	2000	µg/L		Seepine Surface Stream Water Well
FHB013	5/3/99		174	Barium, total recoverable	2000	µg/L		Seepine Water Well
FHB013	9/21/99		92.7	Barium, total recoverable	2000	µg/L		Seepine Water Well
FHB014	5/3/99		8.04	Barium, total recoverable	2000	µg/L		Seepine Water Well
FHB014	9/23/99		3.52	Barium, total recoverable	2000	µg/L		Seepine Water Well
FHB016	5/3/99		781	Barium, total recoverable	2000	µg/L	JU	Seepine Water Well
FHB016	9/21/99		1130	Barium, total recoverable	2000	µg/L		Seepine Water Well
FHB017	5/3/99		275	Barium, total recoverable	2000	µg/L		Seepine Water Well
FHB017	9/21/99		1170	Barium, total recoverable	2000	µg/L		Seepine Water Well
FHB018	5/3/99		1110	Barium, total recoverable	2000	µg/L		Seepine Water Well
FHB018	9/21/99		690	Barium, total recoverable	2000	µg/L		Seepine Water Well
FHB019	5/3/99		31.4	Barium, total recoverable	2000	µg/L		Seepine Water Well
FHB019	9/23/99		32.6	Barium, total recoverable	2000	µg/L		Seepine Water Well
FHB020	5/3/99		2000	Barium, total recoverable	2000	µg/L		Seepine Water Well
FHB020	9/23/99		1140	Barium, total recoverable	2000	µg/L		Seepine Water Well
FHB022	5/3/99		75.8	Barium, total recoverable	2000	µg/L		Seepine Water Well
FHB022	9/21/99		74	Barium, total recoverable	2000	µg/L		Seepine Water Well
FHB024	5/3/99		6.82	Barium, total recoverable	2000	µg/L		Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		10.1	Barium, total recoverable	2000	µg/L		Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		57.7	Barium, total recoverable	2000	µg/L		Seepine Surface Stream Water Well
FHB030	9/23/99		8.7	Barium, total recoverable	2000	µg/L		Seepine Water Well
FMC002H	5/3/99		18.5	Barium, total recoverable	2000	µg/L		FMB Surface Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FMC002H	9/23/99		21.2	Barium, total recoverable	2000	µg/L		FMB Surface Water Well
FSP060	9/22/99		17.4	Barium, total recoverable	2000	µg/L		Seepine Water Well
FSP061	9/22/99		178	Barium, total recoverable	2000	µg/L		Seepine Water Well
FSP062	9/22/99		57.1	Barium, total recoverable	2000	µg/L		Seepine Water Well
FSP063	9/22/99		11.7	Barium, total recoverable	2000	µg/L		Seepine Water Well
FSP064	9/22/99		41.6	Barium, total recoverable	2000	µg/L		Seepine Water Well
FSP065	9/22/99		227	Barium, total recoverable	2000	µg/L		Seepine Water Well
FSP066	9/22/99		67.7	Barium, total recoverable	2000	µg/L		Seepine Water Well
FSP067	9/22/99		19.7	Barium, total recoverable	2000	µg/L		Seepine Water Well
FSP068	9/22/99		121	Barium, total recoverable	2000	µg/L		Seepine Water Well
FSP069	9/22/99		25	Barium, total recoverable	2000	µg/L		Seepine Water Well
FSP070	9/22/99		57.4	Barium, total recoverable	2000	µg/L		Seepine Water Well
FSP071	9/23/99		37.8	Barium, total recoverable	2000	µg/L		Seepine Water Well
FSP072	9/23/99		312	Barium, total recoverable	2000	µg/L		Seepine Water Well
HSP071	9/21/99		48.3	Barium, total recoverable	2000	µg/L		Seepine Water Well
HSP097	9/23/99		718	Barium, total recoverable	2000	µg/L		Seepine Water Well
FHB004	9/23/99		1	Benzene	5	µg/L		Seepine Water Well
FHB005	9/23/99		1	Benzene	5	µg/L		U Seepine Water Well
FHB008	9/23/99		1	Benzene	5	µg/L		U Seepine Water Well
FHB012	5/3/99 +		49.3	Benzene	5	µg/L		Seepine Surface Stream Water Well
FHB012	9/21/99		1	Benzene	5	µg/L		U Seepine Surface Stream Water Well
FHB013	5/3/99		1	Benzene	5	µg/L		U Seepine Water Well
FHB013	9/21/99		1	Benzene	5	µg/L		U Seepine Water Well
FHB014	5/3/99		1	Benzene	5	µg/L		U Seepine Water Well
FHB014	9/23/99		1	Benzene	5	µg/L		JU Seepine Water Well
FHB016	5/3/99 +		50.5	Benzene	5	µg/L		Seepine Water Well
FHB016	9/21/99		1	Benzene	5	µg/L		U Seepine Water Well
FHB017	5/3/99		1	Benzene	5	µg/L		U Seepine Water Well
FHB017	9/21/99		1	Benzene	5	µg/L		Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB018	5/3/99		1	Benzene	5	µg/L	U	Seepine Water Well
FHB018	9/21/99		1	Benzene	5	µg/L	U	Seepine Water Well
FHB019	5/3/99		1	Benzene	5	µg/L	U	Seepine Water Well
FHB019	9/23/99		1	Benzene	5	µg/L	U	Seepine Water Well
FHB020	5/3/99		1	Benzene	5	µg/L	U	Seepine Water Well
FHB020	9/23/99		1	Benzene	5	µg/L	U	Seepine Water Well
FHB022	5/3/99		1	Benzene	5	µg/L	U	Seepine Water Well
FHB022	9/21/99		1	Benzene	5	µg/L	U	Seepine Water Well
FHB024	5/3/99		1	Benzene	5	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		1	Benzene	5	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1	Benzene	5	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		1	Benzene	5	µg/L	U	Seepine Water Well
FMC002H	5/3/99		1	Benzene	5	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		55.6	Benzene	5	µg/L	J	FMB Surface Water Well
FSP060	9/22/99		1	Benzene	5	µg/L	U	Seepine Water Well
FSP061	9/22/99		1	Benzene	5	µg/L	U	Seepine Water Well
FSP062	9/22/99		1	Benzene	5	µg/L	U	Seepine Water Well
FSP063	9/22/99		1	Benzene	5	µg/L	U	Seepine Water Well
FSP064	9/22/99		1	Benzene	5	µg/L	U	Seepine Water Well
FSP065	9/22/99 +		52.4	Benzene	5	µg/L	U	Seepine Water Well
FSP066	9/22/99		1	Benzene	5	µg/L	U	Seepine Water Well
FSP067	9/22/99		1	Benzene	5	µg/L	U	Seepine Water Well
FSP068	9/22/99		1	Benzene	5	µg/L	U	Seepine Water Well
FSP069	9/22/99		1	Benzene	5	µg/L	U	Seepine Water Well
FSP070	9/22/99		1	Benzene	5	µg/L	U	Seepine Water Well
FSP071	9/23/99		1	Benzene	5	µg/L	U	Seepine Water Well
FSP072	9/23/99		1	Benzene	5	µg/L	U	Seepine Water Well
HSP071	9/21/99		1	Benzene	5	µg/L	U	Seepine Water Well
HSP097	9/23/99		1	Benzene	5	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB004	9/23/99	+	523	Beryllium, total recoverable	4	µg/L		Seepiline Water Well
FHB005	9/23/99		1.7	Beryllium, total recoverable	4	µg/L	J	Seepiline Water Well
FHB008	9/23/99		5	Beryllium, total recoverable	4	µg/L	U	Seepiline Water Well
FHB012	5/3/99		5	Beryllium, total recoverable	4	µg/L	U	Seepiline Surface Stream Water Well
FHB012	9/21/99		5	Beryllium, total recoverable	4	µg/L	U	Seepiline Surface Stream Water Well
FHB013	5/3/99		1.19	Beryllium, total recoverable	4	µg/L	J	Seepiline Water Well
FHB013	9/21/99		0.42	Beryllium, total recoverable	4	µg/L	J	Seepiline Water Well
FHB014	5/3/99		5	Beryllium, total recoverable	4	µg/L	U	Seepiline Water Well
FHB014	9/23/99		5	Beryllium, total recoverable	4	µg/L	U	Seepiline Water Well
FHB016	5/3/99		5.5	Beryllium, total recoverable	4	µg/L	J	Seepiline Water Well
FHB016	9/21/99	+	1050	Beryllium, total recoverable	4	µg/L	Seepiline	Water Well
FHB017	5/3/99		2.54	Beryllium, total recoverable	4	µg/L	J	Seepiline Water Well
FHB017	9/21/99	+	1110	Beryllium, total recoverable	4	µg/L	Seepiline	Water Well
FHB018	5/3/99	+	1020	Beryllium, total recoverable	4	µg/L	Seepiline	Water Well
FHB018	9/21/99		5	Beryllium, total recoverable	4	µg/L	U	Seepiline Water Well
FHB019	5/3/99		5	Beryllium, total recoverable	4	µg/L	U	Seepiline Water Well
FHB019	9/23/99		5	Beryllium, total recoverable	4	µg/L	U	Seepiline Water Well
FHB020	5/3/99	+	11.9	Beryllium, total recoverable	4	µg/L	Seepiline	Water Well
FHB020	9/23/99	+	8.44	Beryllium, total recoverable	4	µg/L	Seepiline	Water Well
FHB022	5/3/99		5	Beryllium, total recoverable	4	µg/L	U	Seepiline Water Well
FHB022	9/21/99		5	Beryllium, total recoverable	4	µg/L	U	Seepiline Water Well
FHB024	5/3/99		5	Beryllium, total recoverable	4	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		5	Beryllium, total recoverable	4	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		5	Beryllium, total recoverable	4	µg/L	U	Seepiline Surface Stream Water Well
FHB030	9/23/99		5	Beryllium, total recoverable	4	µg/L	U	Seepiline Water Well
FMC002H	5/3/99		5	Beryllium, total recoverable	4	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		5	Beryllium, total recoverable	4	µg/L	U	FMB Surface Water Well
FSP060	9/22/99		5	Beryllium, total recoverable	4	µg/L	U	Seepiline Water Well
FSP061	9/22/99		0.745	Beryllium, total recoverable	4	µg/L	J	Seepiline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP062	9/22/99		5	Beryllium, total recoverable	4	µg/L	U	Seepine Water Well
FSP063	9/22/99		5	Beryllium, total recoverable	4	µg/L	U	Seepine Water Well
FSP064	9/22/99		5	Beryllium, total recoverable	4	µg/L	U	Seepine Water Well
FSP065	9/22/99		0.382	Beryllium, total recoverable	4	µg/L	J	Seepine Water Well
FSP066	9/22/99		5	Beryllium, total recoverable	4	µg/L	U	Seepine Water Well
FSP067	9/22/99		5	Beryllium, total recoverable	4	µg/L	U	Seepine Water Well
FSP068	9/22/99		0.286	Beryllium, total recoverable	4	µg/L	J	Seepine Water Well
FSP069	9/22/99		5	Beryllium, total recoverable	4	µg/L	U	Seepine Water Well
FSP070	9/22/99		0.479	Beryllium, total recoverable	4	µg/L	J	Seepine Water Well
FSP071	9/23/99		5	Beryllium, total recoverable	4	µg/L	U	Seepine Water Well
FSP072	9/23/99		2.06	Beryllium, total recoverable	4	µg/L	J	Seepine Water Well
HSP071	9/21/99		5	Beryllium, total recoverable	4	µg/L	U	Seepine Water Well
HSP097	9/23/99 +		14.2	Beryllium, total recoverable	4	µg/L	U	Seepine Water Well
FHB004	9/23/99		1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FHB005	9/23/99		1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FHB008	9/23/99		1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FHB012	5/3/99		1	Bromodichloromethane	100	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		1	Bromodichloromethane	100	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FHB013	9/21/99		1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FHB014	5/3/99		1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FHB014	9/23/99		1	Bromodichloromethane	100	µg/L	JU	Seepine Water Well
FHB016	5/3/99		1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FHB016	9/21/99		1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FHB017	5/3/99		1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FHB017	9/21/99		1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FHB018	5/3/99		1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FHB018	9/21/99		1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FHB019	5/3/99		1	Bromodichloromethane	100	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB019	9/23/99	1	1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FHB020	5/3/99	1	1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FHB020	9/23/99	1	1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FHB022	5/3/99	1	1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FHB022	9/21/99	1	1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FHB024	5/3/99	1	1	Bromodichloromethane	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99	1	1	Bromodichloromethane	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99	1	1	Bromodichloromethane	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB030	9/23/99	1	1	Bromodichloromethane	100	µg/L	U	Seepine Surface Stream Water Well
FMC002H	5/3/99	1	1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FMC002H	9/23/99	1	1	Bromodichloromethane	100	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99	1	1	Bromodichloromethane	100	µg/L	U	FMB Surface Water Well
FSP061	9/22/99	1	1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FSP062	9/22/99	1	1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FSP063	9/22/99	1	1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FSP064	9/22/99	1	1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FSP065	9/22/99	1	1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FSP066	9/22/99	1	1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FSP067	9/22/99	1	1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FSP068	9/22/99	1	1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FSP069	9/22/99	1	1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FSP070	9/22/99	1	1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FSP071	9/23/99	1	1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FSP072	9/23/99	1	1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
HSP071	9/21/99	1	1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
HSP097	9/23/99	1	1	Bromodichloromethane	100	µg/L	U	Seepine Water Well
FHB004	9/23/99	1	1	Bromoform	100	µg/L	U	Seepine Water Well
FHB005	9/23/99	1	1	Bromoform	100	µg/L	U	Seepine Water Well
FHB008	9/23/99	1	1	Bromoform	100	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB012	5/3/99		1	Bromoform	100	µg/L	U	Seepline Surface Stream Water Well
FHB012	9/21/99		1	Bromoform	100	µg/L	U	Seepline Surface Stream Water Well
FHB013	5/3/99		1	Bromoform	100	µg/L	U	Seepline Water Well
FHB013	9/21/99		1	Bromoform	100	µg/L	U	Seepline Water Well
FHB014	5/3/99		1	Bromoform	100	µg/L	U	Seepline Water Well
FHB014	9/23/99		1	Bromoform	100	µg/L	JU	Seepline Water Well
FHB016	5/3/99		1	Bromoform	100	µg/L	U	Seepline Water Well
FHB016	9/21/99		1	Bromoform	100	µg/L	U	Seepline Water Well
FHB017	5/3/99		1	Bromoform	100	µg/L	U	Seepline Water Well
FHB017	9/21/99		1	Bromoform	100	µg/L	U	Seepline Water Well
FHB018	5/3/99		1	Bromoform	100	µg/L	U	Seepline Water Well
FHB018	9/21/99		1	Bromoform	100	µg/L	U	Seepline Water Well
FHB019	5/3/99		1	Bromoform	100	µg/L	U	Seepline Water Well
FHB019	9/23/99		1	Bromoform	100	µg/L	U	Seepline Water Well
FHB020	5/3/99		1	Bromoform	100	µg/L	U	Seepline Water Well
FHB020	9/23/99		1	Bromoform	100	µg/L	U	Seepline Water Well
FHB022	5/3/99		1	Bromoform	100	µg/L	U	Seepline Water Well
FHB022	9/21/99		1	Bromoform	100	µg/L	U	Seepline Water Well
FHB024	5/3/99		1	Bromoform	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		1	Bromoform	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1	Bromoform	100	µg/L	U	Seepline Surface Stream Water Well
FHB030	9/23/99		1	Bromoform	100	µg/L	U	Seepline Water Well
FMC002H	5/3/99		1	Bromoform	100	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		1	Bromoform	100	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		1	Bromoform	100	µg/L	U	Seepline Water Well
FSP061	9/22/99		1	Bromoform	100	µg/L	U	Seepline Water Well
FSP062	9/22/99		1	Bromoform	100	µg/L	U	Seepline Water Well
FSP063	9/22/99		1	Bromoform	100	µg/L	U	Seepline Water Well
FSP064	9/22/99		1	Bromoform	100	µg/L	U	Seepline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP065	9/22/99		1	Bromomethane (Methyl bromide)	100	µg/L	U	Seepine Water Well
FSP066	9/22/99		1	Bromomethane (Methyl bromide)	100	µg/L	U	Seepine Water Well
FSP067	9/22/99		1	Bromomethane (Methyl bromide)	100	µg/L	U	Seepine Water Well
FSP068	9/22/99		1	Bromomethane (Methyl bromide)	100	µg/L	U	Seepine Water Well
FSP069	9/22/99		1	Bromomethane (Methyl bromide)	100	µg/L	U	Seepine Water Well
FSP070	9/22/99		1	Bromomethane (Methyl bromide)	100	µg/L	U	Seepine Water Well
FSP071	9/23/99		1	Bromomethane (Methyl bromide)	100	µg/L	U	Seepine Water Well
FSP072	9/23/99		1	Bromomethane (Methyl bromide)	100	µg/L	U	Seepine Water Well
HSP071	9/21/99		1	Bromomethane (Methyl bromide)	100	µg/L	U	Seepine Water Well
HSP097	9/23/99		1	Bromomethane (Methyl bromide)	100	µg/L	U	Seepine Water Well
FHB004	9/23/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FHB005	9/23/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FHB008	9/23/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FHB012	5/3/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FHB013	9/21/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FHB014	5/3/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FHB014	9/23/99		1	Bromomethane (Methyl bromide)	20	µg/L	JU	Seepine Water Well
FHB016	5/3/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FHB016	9/21/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FHB017	5/3/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FHB017	9/21/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FHB018	5/3/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FHB018	9/21/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FHB019	5/3/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FHB019	9/23/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FHB020	5/3/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FHB020	9/23/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB022	5/3/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FHB022	9/21/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FHB024	5/3/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FMC002H	5/3/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		1	Bromomethane (Methyl bromide)	20	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FSP061	9/22/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FSP062	9/22/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FSP063	9/22/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FSP064	9/22/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FSP065	9/22/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FSP066	9/22/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FSP067	9/22/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FSP068	9/22/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FSP069	9/22/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FSP070	9/22/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FSP071	9/23/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FSP072	9/23/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
HSP071	9/21/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
HSP097	9/23/99		1	Bromomethane (Methyl bromide)	20	µg/L	U	Seepine Water Well
FHB004	9/23/99 +		512	Cadmium, total recoverable	5	µg/L		Seepine Water Well
FHB005	9/23/99		0.627	Cadmium, total recoverable	5	µg/L	J	Seepine Water Well
FHB008	9/23/99		5	Cadmium, total recoverable	5	µg/L	U	Seepine Water Well
FHB012	5/3/99		5	Cadmium, total recoverable	5	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		5	Cadmium, total recoverable	5	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		5	Cadmium, total recoverable	5	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB013	9/21/99		5	Cadmium, total recoverable	5	µg/L	U	Seepiline Water Well
FHB014	5/3/99		5	Cadmium, total recoverable	5	µg/L	U	Seepiline Water Well
FHB014	9/23/99		5	Cadmium, total recoverable	5	µg/L	U	Seepiline Water Well
FHB016	5/3/99		10	Cadmium, total recoverable	5	µg/L	U	Seepiline Water Well
FHB016	9/21/99 +		1020	Cadmium, total recoverable	5	µg/L	U	Seepiline Water Well
FHB017	5/3/99		5	Cadmium, total recoverable	5	µg/L	U	Seepiline Water Well
FHB017	9/21/99 +		1130	Cadmium, total recoverable	5	µg/L	U	Seepiline Water Well
FHB018	5/3/99 +		998	Cadmium, total recoverable	5	µg/L	U	Seepiline Water Well
FHB018	9/21/99		5	Cadmium, total recoverable	5	µg/L	U	Seepiline Water Well
FHB019	5/3/99		5	Cadmium, total recoverable	5	µg/L	U	Seepiline Water Well
FHB019	9/23/99		0.444	Cadmium, total recoverable	5	µg/L	U	Seepiline Water Well
FHB020	5/3/99		10	Cadmium, total recoverable	5	µg/L	J	Seepiline Water Well
FHB020	9/23/99		1.37	Cadmium, total recoverable	5	µg/L	J	Seepiline Water Well
FHB022	5/3/99		5	Cadmium, total recoverable	5	µg/L	U	Seepiline Water Well
FHB022	9/21/99		5	Cadmium, total recoverable	5	µg/L	U	Seepiline Water Well
FHB024	5/3/99		5	Cadmium, total recoverable	5	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		5	Cadmium, total recoverable	5	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		5	Cadmium, total recoverable	5	µg/L	U	Seepiline Surface Stream Water Well
FHB030	9/23/99		5	Cadmium, total recoverable	5	µg/L	U	Seepiline Water Well
FMC002H	5/3/99		5	Cadmium, total recoverable	5	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		5	Cadmium, total recoverable	5	µg/L	U	FMB Surface Water Well
FSP060	9/22/99		5	Cadmium, total recoverable	5	µg/L	U	Seepiline Water Well
FSP061	9/22/99		0.477	Cadmium, total recoverable	5	µg/L	J	Seepiline Water Well
FSP062	9/22/99		5	Cadmium, total recoverable	5	µg/L	U	Seepiline Water Well
FSP063	9/22/99		5	Cadmium, total recoverable	5	µg/L	U	Seepiline Water Well
FSP064	9/22/99		5	Cadmium, total recoverable	5	µg/L	U	Seepiline Water Well
FSP065	9/22/99		0.505	Cadmium, total recoverable	5	µg/L	J	Seepiline Water Well
FSP066	9/22/99		5	Cadmium, total recoverable	5	µg/L	U	Seepiline Water Well
FSP067	9/22/99		5	Cadmium, total recoverable	5	µg/L	U	Seepiline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP068	9/22/99		5	Cadmium, total recoverable	5	µg/L	U	Seepline Water Well
FSP069	9/22/99		5	Cadmium, total recoverable	5	µg/L	U	Seepline Water Well
FSP070	9/22/99		5	Cadmium, total recoverable	5	µg/L	U	Seepline Water Well
FSP071	9/23/99		5	Cadmium, total recoverable	5	µg/L	U	Seepline Water Well
FSP072	9/23/99		0.592	Cadmium, total recoverable	5	µg/L	J	Seepline Water Well
HSP071	9/21/99		5	Cadmium, total recoverable	5	µg/L	U	Seepline Water Well
HSP097	9/23/99		3.69	Cadmium, total recoverable	5	µg/L	J	Seepline Water Well
FHB004	9/23/99		6080	Calcium, total recoverable		µg/L		Seepline Water Well
FHB005	9/23/99		3030	Calcium, total recoverable		µg/L		Seepline Water Well
FHB008	9/23/99		637	Calcium, total recoverable		µg/L		Seepline Water Well
FHB012	5/3/99		1190	Calcium, total recoverable		µg/L		Seepline Surface Stream Water Well
FHB012	9/21/99		1220	Calcium, total recoverable		µg/L		Seepline Surface Stream Water Well
FHB013	5/3/99		2610	Calcium, total recoverable		µg/L		Seepline Water Well
FHB013	9/21/99		3960	Calcium, total recoverable		µg/L		Seepline Water Well
FHB014	5/3/99		335	Calcium, total recoverable		µg/L		Seepline Water Well
FHB014	9/23/99		300	Calcium, total recoverable		µg/L		Seepline Water Well
FHB016	5/3/99		5250	Calcium, total recoverable		µg/L		Seepline Water Well
FHB016	9/21/99		8030	Calcium, total recoverable		µg/L		Seepline Water Well
FHB017	5/3/99		3690	Calcium, total recoverable		µg/L		Seepline Water Well
FHB017	9/21/99		8930	Calcium, total recoverable		µg/L		Seepline Water Well
FHB018	5/3/99		7710	Calcium, total recoverable		µg/L		Seepline Water Well
FHB018	9/21/99		6100	Calcium, total recoverable		µg/L		Seepline Water Well
FHB019	5/3/99		1820	Calcium, total recoverable		µg/L		Seepline Water Well
FHB019	9/23/99		1950	Calcium, total recoverable		µg/L		Seepline Water Well
FHB020	5/3/99		25200	Calcium, total recoverable		µg/L		Seepline Water Well
FHB020	9/23/99		12200	Calcium, total recoverable		µg/L		Seepline Water Well
FHB022	5/3/99		1030	Calcium, total recoverable		µg/L		Seepline Water Well
FHB022	9/21/99		1200	Calcium, total recoverable		µg/L		Seepline Water Well
FHB024	5/3/99		1400	Calcium, total recoverable		µg/L		Engineered Ditch Surface Stream Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB024	9/23/99		1900	Calcium, total recoverable		µg/L		Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1020	Calcium, total recoverable		µg/L		Seepine Surface Stream Water Well
FHB030	9/23/99		1800	Calcium, total recoverable		µg/L		Seepine Water Well
FMC002H	5/3/99		3660	Calcium, total recoverable		µg/L		FMB Surface Water Well
FMC002H	9/23/99		3260	Calcium, total recoverable		µg/L		FMB Surface Water Well
FSP060	9/22/99		610	Calcium, total recoverable		µg/L		Seepine Water Well
FSP061	9/22/99		1690	Calcium, total recoverable		µg/L		Seepine Water Well
FSP062	9/22/99		7830	Calcium, total recoverable		µg/L		Seepine Water Well
FSP063	9/22/99		2380	Calcium, total recoverable		µg/L		Seepine Water Well
FSP064	9/22/99		7540	Calcium, total recoverable		µg/L		Seepine Water Well
FSP065	9/22/99		1870	Calcium, total recoverable		µg/L		Seepine Water Well
FSP066	9/22/99		2480	Calcium, total recoverable		µg/L		Seepine Water Well
FSP067	9/22/99		733	Calcium, total recoverable		µg/L		Seepine Water Well
FSP068	9/22/99		1470	Calcium, total recoverable		µg/L		Seepine Water Well
FSP069	9/22/99		3390	Calcium, total recoverable		µg/L		Seepine Water Well
FSP070	9/22/99		3210	Calcium, total recoverable		µg/L		Seepine Water Well
FSP071	9/23/99		2070	Calcium, total recoverable		µg/L		Seepine Water Well
FSP072	9/23/99		6240	Calcium, total recoverable		µg/L		Seepine Water Well
HSP071	9/21/99		3720	Calcium, total recoverable		µg/L		Seepine Water Well
HSP097	9/23/99		20200	Calcium, total recoverable		µg/L		Seepine Water Well
FHB004	9/23/99		5	Carbon disulfide	50	µg/L	U	Seepine Water Well
FHB005	9/23/99		5	Carbon disulfide	50	µg/L	U	Seepine Water Well
FHB008	9/23/99		5	Carbon disulfide	50	µg/L	U	Seepine Water Well
FHB012	5/3/99		5	Carbon disulfide	50	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		5	Carbon disulfide	50	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		5	Carbon disulfide	50	µg/L	U	Seepine Water Well
FHB013	9/21/99		5	Carbon disulfide	50	µg/L	U	Seepine Water Well
FHB014	5/3/99		5	Carbon disulfide	50	µg/L	U	Seepine Water Well
FHB014	9/23/99		5	Carbon disulfide	50	µg/L	JU	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB016	5/3/99		5	Carbon disulfide	50	µg/L	U	Seepiline Water Well
FHB016	9/21/99		5	Carbon disulfide	50	µg/L	U	Seepiline Water Well
FHB017	5/3/99		5	Carbon disulfide	50	µg/L	U	Seepiline Water Well
FHB017	9/21/99		5	Carbon disulfide	50	µg/L	U	Seepiline Water Well
FHB018	5/3/99		5	Carbon disulfide	50	µg/L	U	Seepiline Water Well
FHB018	9/21/99		5	Carbon disulfide	50	µg/L	U	Seepiline Water Well
FHB019	5/3/99		5	Carbon disulfide	50	µg/L	U	Seepiline Water Well
FHB019	9/23/99		5	Carbon disulfide	50	µg/L	U	Seepiline Water Well
FHB020	5/3/99		5	Carbon disulfide	50	µg/L	U	Seepiline Water Well
FHB020	9/23/99		5	Carbon disulfide	50	µg/L	U	Seepiline Water Well
FHB022	5/3/99		5	Carbon disulfide	50	µg/L	U	Seepiline Water Well
FHB022	9/21/99		5	Carbon disulfide	50	µg/L	U	Seepiline Water Well
FHB024	5/3/99		5	Carbon disulfide	50	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		5	Carbon disulfide	50	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		5	Carbon disulfide	50	µg/L	U	Seepiline Surface Stream Water Well
FHB030	9/23/99		5	Carbon disulfide	50	µg/L	U	Seepiline Water Well
FMC002H	5/3/99		5	Carbon disulfide	50	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		5	Carbon disulfide	50	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		5	Carbon disulfide	50	µg/L	U	Seepiline Water Well
FSP061	9/22/99		5	Carbon disulfide	50	µg/L	U	Seepiline Water Well
FSP062	9/22/99		5	Carbon disulfide	50	µg/L	U	Seepiline Water Well
FSP063	9/22/99		5	Carbon disulfide	50	µg/L	U	Seepiline Water Well
FSP064	9/22/99		5	Carbon disulfide	50	µg/L	U	Seepiline Water Well
FSP065	9/22/99		5	Carbon disulfide	50	µg/L	U	Seepiline Water Well
FSP066	9/22/99		5	Carbon disulfide	50	µg/L	U	Seepiline Water Well
FSP067	9/22/99		5	Carbon disulfide	50	µg/L	U	Seepiline Water Well
FSP068	9/22/99		5	Carbon disulfide	50	µg/L	U	Seepiline Water Well
FSP069	9/22/99		5	Carbon disulfide	50	µg/L	U	Seepiline Water Well
FSP070	9/22/99		5	Carbon disulfide	50	µg/L	U	Seepiline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP071	9/23/99		5	Carbon disulfide	50	µg/L	U	Seepine Water Well
FSP072	9/23/99		5	Carbon disulfide	50	µg/L	U	Seepine Water Well
HSP071	9/21/99		5	Carbon disulfide	50	µg/L	U	Seepine Water Well
HSP097	9/23/99		5	Carbon disulfide	50	µg/L	U	Seepine Water Well
FHB004	9/23/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FHB005	9/23/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FHB008	9/23/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FHB012	5/3/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FHB013	9/21/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FHB014	5/3/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FHB014	9/23/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FHB016	5/3/99		1	Carbon tetrachloride	5	µg/L	JU	Seepine Water Well
FHB016	9/21/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FHB017	5/3/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FHB017	9/21/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FHB018	5/3/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FHB018	9/21/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FHB019	5/3/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FHB019	9/23/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FHB020	5/3/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FHB020	9/23/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FHB022	5/3/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FHB022	9/21/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FHB024	5/3/99		1	Carbon tetrachloride	5	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		1	Carbon tetrachloride	5	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FMC002H	5/3/99		1	Carbon tetrachloride	5	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		1	Carbon tetrachloride	5	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FSP061	9/22/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FSP062	9/22/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FSP063	9/22/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FSP064	9/22/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FSP065	9/22/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FSP066	9/22/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FSP067	9/22/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FSP068	9/22/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FSP069	9/22/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FSP070	9/22/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FSP071	9/23/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FSP072	9/23/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
HSP071	9/21/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
HSP097	9/23/99		1	Carbon tetrachloride	5	µg/L	U	Seepine Water Well
FHB004	9/23/99 +		2990	Carbon-14	2000	pCi/L	U	Seepine Water Well
FHB005	9/23/99		1.68	Carbon-14	2000	pCi/L	U	Seepine Water Well
FHB008	9/23/99		20.2	Carbon-14	2000	pCi/L	J	Seepine Water Well
FHB012	5/3/99 +		2740	Carbon-14	2000	pCi/L	Seepine Surface Stream	Water Well
FHB012	9/21/99		375	Carbon-14	2000	pCi/L	Seepine Surface Stream	Water Well
FHB013	5/3/99		89.5	Carbon-14	2000	pCi/L	Seepine Water Well	
FHB013	9/21/99		65.4	Carbon-14	2000	pCi/L	Seepine Water Well	
FHB014	5/3/99		10.6	Carbon-14	2000	pCi/L	U	Seepine Water Well
FHB014	9/23/99		-1.31	Carbon-14	2000	pCi/L	U	Seepine Water Well
FHB016	5/3/99		7.53	Carbon-14	2000	pCi/L	U	Seepine Water Well
FHB016	9/21/99		7.65	Carbon-14	2000	pCi/L	U	Seepine Water Well
FHB017	5/3/99		226	Carbon-14	2000	pCi/L	Seepine Water Well	

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB017	9/21/99	+	3080	Carbon-14	2000	pCi/L		Seepine Water Well
FHB018	5/3/99	+	2090	Carbon-14	2000	pCi/L		Seepine Water Well
FHB018	9/21/99		191	Carbon-14	2000	pCi/L		Seepine Water Well
FHB019	5/3/99		44.7	Carbon-14	2000	pCi/L		Seepine Water Well
FHB019	9/23/99		25.3	Carbon-14	2000	pCi/L		Seepine Water Well
FHB020	5/3/99		8.27	Carbon-14	2000	pCi/L		U Seepine Water Well
FHB020	9/23/99		3.83	Carbon-14	2000	pCi/L		U Seepine Water Well
FHB022	5/3/99		144	Carbon-14	2000	pCi/L		Seepine Water Well
FHB022	9/21/99		291	Carbon-14	2000	pCi/L		Seepine Water Well
FHB024	5/3/99		9.97	Carbon-14	2000	pCi/L		U Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		28	Carbon-14	2000	pCi/L		Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		36.6	Carbon-14	2000	pCi/L		Seepine Surface Stream Water Well
FHB030	9/23/99		-2.87	Carbon-14	2000	pCi/L		U Seepine Water Well
FMC002H	5/3/99		13.2	Carbon-14	2000	pCi/L		J FMB Surface Water Well
FMC002H	9/23/99		2.17	Carbon-14	2000	pCi/L		U FMB Surface Water Well
FSP060	9/22/99		0.607	Carbon-14	2000	pCi/L		U Seepine Water Well
FSP061	9/22/99		-1.67	Carbon-14	2000	pCi/L		U Seepine Water Well
FSP062	9/22/99		2.48	Carbon-14	2000	pCi/L		U Seepine Water Well
FSP063	9/22/99		7.85	Carbon-14	2000	pCi/L		U Seepine Water Well
FSP064	9/22/99		-3.58	Carbon-14	2000	pCi/L		U Seepine Water Well
FSP065	9/22/99		0.187	Carbon-14	2000	pCi/L		U Seepine Water Well
FSP066	9/22/99		4.43	Carbon-14	2000	pCi/L		U Seepine Water Well
FSP067	9/22/99		1.44	Carbon-14	2000	pCi/L		U Seepine Water Well
FSP068	9/22/99		-1.51	Carbon-14	2000	pCi/L		U Seepine Water Well
FSP069	9/22/99		0.722	Carbon-14	2000	pCi/L		U Seepine Water Well
FSP070	9/22/99		-0.802	Carbon-14	2000	pCi/L		U Seepine Water Well
FSP071	9/23/99		-5.64	Carbon-14	2000	pCi/L		U Seepine Water Well
FSP072	9/23/99		-1.49	Carbon-14	2000	pCi/L		U Seepine Water Well
HSP071	9/21/99		49.6	Carbon-14	2000	pCi/L		Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
HSP097	9/23/99		-4	Carbon-14	2000	pCi/L	U	Seepine Water Well
FHB004	9/23/99		5480	Chloride	250000	µg/L		Seepine Water Well
FHB005	9/23/99		17300	Chloride	250000	µg/L		Seepine Water Well
FHB008	9/23/99		3240	Chloride	250000	µg/L		Seepine Water Well
FHB012	5/3/99		14700	Chloride	250000	µg/L		Seepine Surface Stream Water Well
FHB012	9/21/99		6920	Chloride	250000	µg/L		Seepine Surface Stream Water Well
FHB013	5/3/99		5380	Chloride	250000	µg/L		Seepine Water Well
FHB013	9/21/99		14700	Chloride	250000	µg/L		Seepine Water Well
FHB014	5/3/99		2480	Chloride	250000	µg/L		Seepine Water Well
FHB014	9/23/99		2740	Chloride	250000	µg/L		Seepine Water Well
FHB016	5/3/99		7750	Chloride	250000	µg/L		Seepine Water Well
FHB016	9/21/99		10500	Chloride	250000	µg/L		Seepine Water Well
FHB017	5/3/99		11000	Chloride	250000	µg/L		Seepine Water Well
FHB017	9/21/99		15800	Chloride	250000	µg/L		Seepine Water Well
FHB018	5/3/99		6220	Chloride	250000	µg/L		Seepine Water Well
FHB018	9/21/99		16500	Chloride	250000	µg/L		Seepine Water Well
FHB019	5/3/99		8840	Chloride	250000	µg/L		Seepine Water Well
FHB019	9/23/99		12300	Chloride	250000	µg/L		Seepine Water Well
FHB020	5/3/99		13100	Chloride	250000	µg/L		Seepine Water Well
FHB022	5/3/99		5340	Chloride	250000	µg/L		Seepine Water Well
FHB022	9/21/99		6550	Chloride	250000	µg/L		Seepine Water Well
FHB024	5/3/99		2380	Chloride	250000	µg/L		Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		2600	Chloride	250000	µg/L		Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		6780	Chloride	250000	µg/L		Seepine Surface Stream Water Well
FHB030	9/23/99		2530	Chloride	250000	µg/L		Seepine Water Well
FMC002H	5/3/99		1960	Chloride	250000	µg/L		FMB Surface Water Well
FMC002H	9/23/99		11600	Chloride	250000	µg/L		FMB Surface Water Well
FSP060	9/22/99		3100	Chloride	250000	µg/L		Seepine Water Well
FSP061	9/22/99		12200	Chloride	250000	µg/L		Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP062	9/22/99		3680	Chloride	250000	µg/L		Seepine Water Well
FSP063	9/22/99		2020	Chloride	250000	µg/L		Seepine Water Well
FSP064	9/22/99		4190	Chloride	250000	µg/L		Seepine Water Well
FSP065	9/22/99		4470	Chloride	250000	µg/L		Seepine Water Well
FSP066	9/22/99		6790	Chloride	250000	µg/L		Seepine Water Well
FSP067	9/22/99		3130	Chloride	250000	µg/L		Seepine Water Well
FSP068	9/22/99		2910	Chloride	250000	µg/L		Seepine Water Well
FSP069	9/22/99		11300	Chloride	250000	µg/L		Seepine Water Well
FSP070	9/22/99		2620	Chloride	250000	µg/L		Seepine Water Well
FSP071	9/23/99		3020	Chloride	250000	µg/L		Seepine Water Well
FSP072	9/23/99		7600	Chloride	250000	µg/L		Seepine Water Well
HSP071	9/21/99		8400	Chloride	250000	µg/L		Seepine Water Well
HSP097	9/23/99		3800	Chloride	250000	µg/L		Seepine Water Well
FHB004	9/23/99		1	Chlorobenzene	100	µg/L		U Seepine Water Well
FHB005	9/23/99		1	Chlorobenzene	100	µg/L		U Seepine Water Well
FHB008	9/23/99		1	Chlorobenzene	100	µg/L		U Seepine Water Well
FHB012	5/3/99		49.5	Chlorobenzene	100	µg/L		Seepine Surface Stream Water Well
FHB012	9/21/99		1	Chlorobenzene	100	µg/L		U Seepine Surface Stream Water Well
FHB013	5/3/99		1	Chlorobenzene	100	µg/L		U Seepine Water Well
FHB013	9/21/99		1	Chlorobenzene	100	µg/L		U Seepine Water Well
FHB014	5/3/99		1	Chlorobenzene	100	µg/L		U Seepine Water Well
FHB014	9/23/99		1	Chlorobenzene	100	µg/L		JU Seepine Water Well
FHB016	5/3/99		48.9	Chlorobenzene	100	µg/L		Seepine Water Well
FHB016	9/21/99		1	Chlorobenzene	100	µg/L		U Seepine Water Well
FHB017	5/3/99		1	Chlorobenzene	100	µg/L		U Seepine Water Well
FHB017	9/21/99		1	Chlorobenzene	100	µg/L		U Seepine Water Well
FHB018	5/3/99		1	Chlorobenzene	100	µg/L		U Seepine Water Well
FHB018	9/21/99		1	Chlorobenzene	100	µg/L		U Seepine Water Well
FHB019	5/3/99		1	Chlorobenzene	100	µg/L		U Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB019	9/23/99		1	Chlorobenzene	100	µg/L	U	Seepline Water Well
FHB020	5/3/99		1	Chlorobenzene	100	µg/L	U	Seepline Water Well
FHB020	9/23/99		1	Chlorobenzene	100	µg/L	U	Seepline Water Well
FHB022	5/3/99		1	Chlorobenzene	100	µg/L	U	Seepline Water Well
FHB022	9/21/99		1	Chlorobenzene	100	µg/L	U	Seepline Water Well
FHB024	5/3/99		1	Chlorobenzene	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		1	Chlorobenzene	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1	Chlorobenzene	100	µg/L	U	Seepline Surface Stream Water Well
FHB030	9/23/99		1	Chlorobenzene	100	µg/L	U	Seepline Water Well
FMC002H	5/3/99		1	Chlorobenzene	100	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		55.3	Chlorobenzene	100	µg/L	J	FMB Surface Water Well
FSP060	9/22/99		1	Chlorobenzene	100	µg/L	U	Seepline Water Well
FSP061	9/22/99		1	Chlorobenzene	100	µg/L	U	Seepline Water Well
FSP062	9/22/99		1	Chlorobenzene	100	µg/L	U	Seepline Water Well
FSP063	9/22/99		1	Chlorobenzene	100	µg/L	U	Seepline Water Well
FSP064	9/22/99		1	Chlorobenzene	100	µg/L	U	Seepline Water Well
FSP065	9/22/99		54.7	Chlorobenzene	100	µg/L	U	Seepline Water Well
FSP066	9/22/99		1	Chlorobenzene	100	µg/L	U	Seepline Water Well
FSP067	9/22/99		1	Chlorobenzene	100	µg/L	U	Seepline Water Well
FSP068	9/22/99		1	Chlorobenzene	100	µg/L	U	Seepline Water Well
FSP069	9/22/99		1	Chlorobenzene	100	µg/L	U	Seepline Water Well
FSP070	9/22/99		1	Chlorobenzene	100	µg/L	U	Seepline Water Well
FSP071	9/23/99		1	Chlorobenzene	100	µg/L	U	Seepline Water Well
FSP072	9/23/99		1	Chlorobenzene	100	µg/L	U	Seepline Water Well
HSP071	9/21/99		1	Chlorobenzene	100	µg/L	U	Seepline Water Well
HSP097	9/23/99		1	Chlorobenzene	100	µg/L	U	Seepline Water Well
FHB004	9/23/99		1	Chloroethane	20	µg/L	U	Seepline Water Well
FHB005	9/23/99		1	Chloroethane	20	µg/L	U	Seepline Water Well
FHB008	9/23/99		1	Chloroethane	20	µg/L	U	Seepline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB012	5/3/99		1	Chloroethane	20	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		1	Chloroethane	20	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FHB013	9/21/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FHB014	5/3/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FHB014	9/23/99		1	Chloroethane	20	µg/L	JU	Seepine Water Well
FHB016	5/3/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FHB016	9/21/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FHB017	5/3/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FHB017	9/21/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FHB018	5/3/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FHB018	9/21/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FHB019	5/3/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FHB019	9/23/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FHB020	5/3/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FHB020	9/23/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FHB022	5/3/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FHB022	9/21/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FHB024	5/3/99		1	Chloroethane	20	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		1	Chloroethane	20	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1	Chloroethane	20	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FMC002H	5/3/99		1	Chloroethane	20	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		1	Chloroethane	20	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FSP061	9/22/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FSP062	9/22/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FSP063	9/22/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FSP064	9/22/99		1	Chloroethane	20	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP065	9/22/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FSP066	9/22/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FSP067	9/22/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FSP068	9/22/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FSP069	9/22/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FSP070	9/22/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FSP071	9/23/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FSP072	9/23/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
HSP071	9/21/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
HSP097	9/23/99		1	Chloroethane	20	µg/L	U	Seepine Water Well
FHB004	9/23/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
FHB005	9/23/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
FHB008	9/23/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
FHB012	5/3/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
FHB013	9/21/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
FHB014	5/3/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
FHB014	9/23/99		1	Chloroethene (Vinyl chloride)	2	µg/L	JU	Seepine Water Well
FHB016	5/3/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
FHB016	9/21/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
FHB017	5/3/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
FHB017	9/21/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
FHB018	5/3/99 +		8.33	Chloroethene (Vinyl chloride)	2	µg/L		Seepine Water Well
FHB018	9/21/99 +		10.5	Chloroethene (Vinyl chloride)	2	µg/L		Seepine Water Well
FHB019	5/3/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
FHB019	9/23/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
FHB020	5/3/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
FHB020	9/23/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB022	5/3/99		0.643	Chloroethene (Vinyl chloride)	2	µg/L	J	Seepine Water Well
FHB022	9/21/99		0.852	Chloroethene (Vinyl chloride)	2	µg/L	J	Seepine Water Well
FHB024	5/3/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1.37	Chloroethene (Vinyl chloride)	2	µg/L		Seepine Surface Stream Water Well
FHB030	9/23/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
FMC002H	5/3/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		1	Chloroethene (Vinyl chloride)	2	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
FSP061	9/22/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
FSP062	9/22/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
FSP063	9/22/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
FSP064	9/22/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
FSP065	9/22/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
FSP066	9/22/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
FSP067	9/22/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
FSP068	9/22/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
FSP069	9/22/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
FSP070	9/22/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
FSP071	9/23/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
FSP072	9/23/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
HSP071	9/21/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
HSP097	9/23/99		1	Chloroethene (Vinyl chloride)	2	µg/L	U	Seepine Water Well
FHB004	9/23/99		1	Chloroform	100	µg/L	U	Seepine Water Well
FHB005	9/23/99		1	Chloroform	100	µg/L	U	Seepine Water Well
FHB008	9/23/99		1	Chloroform	100	µg/L	U	Seepine Water Well
FHB012	5/3/99		1.99	Chloroform	100	µg/L		Seepine Surface Stream Water Well
FHB012	9/21/99		2.36	Chloroform	100	µg/L	J	Seepine Surface Stream Water Well
FHB013	5/3/99		1	Chloroform	100	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB013	9/21/99		1	Chloroform	100	µg/L	U	Seepline Water Well
FHB014	5/3/99		1	Chloroform	100	µg/L	U	Seepline Water Well
FHB014	9/23/99		1	Chloroform	100	µg/L	JU	Seepline Water Well
FHB016	5/3/99		1	Chloroform	100	µg/L	U	Seepline Water Well
FHB016	9/21/99		1	Chloroform	100	µg/L	U	Seepline Water Well
FHB017	5/3/99		1	Chloroform	100	µg/L	U	Seepline Water Well
FHB017	9/21/99		1	Chloroform	100	µg/L	U	Seepline Water Well
FHB018	5/3/99		1	Chloroform	100	µg/L	U	Seepline Water Well
FHB018	9/21/99		1.76	Chloroform	100	µg/L	U	Seepline Water Well
FHB019	5/3/99		1	Chloroform	100	µg/L	U	Seepline Water Well
FHB019	9/23/99		1	Chloroform	100	µg/L	U	Seepline Water Well
FHB020	5/3/99		1	Chloroform	100	µg/L	U	Seepline Water Well
FHB020	9/23/99		1	Chloroform	100	µg/L	U	Seepline Water Well
FHB022	5/3/99		3.18	Chloroform	100	µg/L	U	Seepline Water Well
FHB022	9/21/99		2.95	Chloroform	100	µg/L	U	Seepline Water Well
FHB024	5/3/99		1	Chloroform	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		1	Chloroform	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1.44	Chloroform	100	µg/L	U	Seepline Surface Stream Water Well
FHB030	9/23/99		1	Chloroform	100	µg/L	U	Seepline Water Well
FMC002H	5/3/99		1	Chloroform	100	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		1	Chloroform	100	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		1	Chloroform	100	µg/L	U	Seepline Water Well
FSP061	9/22/99		1	Chloroform	100	µg/L	U	Seepline Water Well
FSP062	9/22/99		1	Chloroform	100	µg/L	U	Seepline Water Well
FSP063	9/22/99		1	Chloroform	100	µg/L	U	Seepline Water Well
FSP064	9/22/99		1	Chloroform	100	µg/L	U	Seepline Water Well
FSP065	9/22/99		1	Chloroform	100	µg/L	U	Seepline Water Well
FSP066	9/22/99		1	Chloroform	100	µg/L	U	Seepline Water Well
FSP067	9/22/99		1	Chloroform	100	µg/L	U	Seepline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP068	9/22/99		1	Chloroform	100	µg/L	U	Seepiline Water Well
FSP069	9/22/99		1	Chloroform	100	µg/L	U	Seepiline Water Well
FSP070	9/22/99		1	Chloroform	100	µg/L	U	Seepiline Water Well
FSP071	9/23/99		1	Chloroform	100	µg/L	U	Seepiline Water Well
FSP072	9/23/99		1	Chloroform	100	µg/L	U	Seepiline Water Well
HSP071	9/21/99		1	Chloroform	100	µg/L	U	Seepiline Water Well
HSP097	9/23/99		1	Chloroform	100	µg/L	U	Seepiline Water Well
FHB004	9/23/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepiline Water Well
FHB005	9/23/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepiline Water Well
FHB008	9/23/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepiline Water Well
FHB012	5/3/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepiline Surface Stream Water Well
FHB012	9/21/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepiline Surface Stream Water Well
FHB013	5/3/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepiline Water Well
FHB013	9/21/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepiline Water Well
FHB014	5/3/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepiline Water Well
FHB014	9/23/99		1	Chloromethane (Methyl chloride)	20	µg/L	JU	Seepiline Water Well
FHB016	5/3/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepiline Water Well
FHB016	9/21/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepiline Water Well
FHB017	5/3/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepiline Water Well
FHB017	9/21/99		0.53	Chloromethane (Methyl chloride)	20	µg/L	J	Seepiline Water Well
FHB018	5/3/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepiline Water Well
FHB018	9/21/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepiline Water Well
FHB019	5/3/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepiline Water Well
FHB019	9/23/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepiline Water Well
FHB020	5/3/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepiline Water Well
FHB020	9/23/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepiline Water Well
FHB022	5/3/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepiline Water Well
FHB022	9/21/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepiline Water Well
FHB024	5/3/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Engineered Ditch Surface Stream Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB024	9/23/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepine Water Well
FMC002H	5/3/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		1	Chloromethane (Methyl chloride)	20	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepine Water Well
FSP061	9/22/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepine Water Well
FSP062	9/22/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepine Water Well
FSP063	9/22/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepine Water Well
FSP064	9/22/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepine Water Well
FSP065	9/22/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepine Water Well
FSP066	9/22/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepine Water Well
FSP067	9/22/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepine Water Well
FSP068	9/22/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepine Water Well
FSP069	9/22/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepine Water Well
FSP070	9/22/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepine Water Well
FSP071	9/23/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepine Water Well
FSP072	9/23/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepine Water Well
HSP071	9/21/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepine Water Well
HSP097	9/23/99		1	Chloromethane (Methyl chloride)	20	µg/L	U	Seepine Water Well
FHB004	9/23/99		2	Chloroprene	3330	µg/L	U	Seepine Water Well
FHB005	9/23/99		2	Chloroprene	3330	µg/L	U	Seepine Water Well
FHB008	9/23/99		2	Chloroprene	3330	µg/L	U	Seepine Water Well
FHB012	5/3/99		2	Chloroprene	3330	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		2	Chloroprene	3330	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		2	Chloroprene	3330	µg/L	U	Seepine Water Well
FHB013	9/21/99		2	Chloroprene	3330	µg/L	U	Seepine Water Well
FHB014	5/3/99		2	Chloroprene	3330	µg/L	U	Seepine Water Well
FHB014	9/23/99		2	Chloroprene	3330	µg/L	JU	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB016	5/3/99		2	Chloroprene	3330	µg/L	U	Seepline Water Well
FHB016	9/21/99		2	Chloroprene	3330	µg/L	U	Seepline Water Well
FHB017	5/3/99		2	Chloroprene	3330	µg/L	U	Seepline Water Well
FHB017	9/21/99		2	Chloroprene	3330	µg/L	U	Seepline Water Well
FHB018	5/3/99		2	Chloroprene	3330	µg/L	U	Seepline Water Well
FHB018	9/21/99		2	Chloroprene	3330	µg/L	U	Seepline Water Well
FHB019	5/3/99		2	Chloroprene	3330	µg/L	U	Seepline Water Well
FHB019	9/23/99		2	Chloroprene	3330	µg/L	U	Seepline Water Well
FHB020	5/3/99		2	Chloroprene	3330	µg/L	U	Seepline Water Well
FHB020	9/23/99		2	Chloroprene	3330	µg/L	U	Seepline Water Well
FHB022	5/3/99		2	Chloroprene	3330	µg/L	U	Seepline Water Well
FHB022	9/21/99		2	Chloroprene	3330	µg/L	U	Seepline Water Well
FHB024	5/3/99		2	Chloroprene	3330	µg/L	U	Seepline Water Well
FHB024	9/23/99		2	Chloroprene	3330	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		2	Chloroprene	3330	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB030	9/23/99		2	Chloroprene	3330	µg/L	U	Seepline Surface Stream Water Well
FMC002H	5/3/99		2	Chloroprene	3330	µg/L	U	Seepline Water Well
FMC002H	9/23/99		2	Chloroprene	3330	µg/L	U	FMB Surface Water Well
FSP060	9/22/99		2	Chloroprene	3330	µg/L	JU	FMB Surface Water Well
FSP061	9/22/99		2	Chloroprene	3330	µg/L	U	Seepline Water Well
FSP062	9/22/99		2	Chloroprene	3330	µg/L	U	Seepline Water Well
FSP063	9/22/99		2	Chloroprene	3330	µg/L	U	Seepline Water Well
FSP064	9/22/99		2	Chloroprene	3330	µg/L	U	Seepline Water Well
FSP065	9/22/99		2	Chloroprene	3330	µg/L	U	Seepline Water Well
FSP066	9/22/99		2	Chloroprene	3330	µg/L	U	Seepline Water Well
FSP067	9/22/99		2	Chloroprene	3330	µg/L	U	Seepline Water Well
FSP068	9/22/99		2	Chloroprene	3330	µg/L	U	Seepline Water Well
FSP069	9/22/99		2	Chloroprene	3330	µg/L	U	Seepline Water Well
FSP070	9/22/99		2	Chloroprene	3330	µg/L	U	Seepline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP071	9/23/99		2	Chloroprene	3330	µg/L	U	Seepine Water Well
FSP072	9/23/99		2	Chloroprene	3330	µg/L	U	Seepine Water Well
HSP071	9/21/99		2	Chloroprene	3330	µg/L	U	Seepine Water Well
HSP097	9/23/99		2	Chloroprene	3330	µg/L	U	Seepine Water Well
FHB004	9/23/99 +		514	Chromium, total recoverable	100	µg/L		Seepine Water Well
FHB005	9/23/99		43	Chromium, total recoverable	100	µg/L		Seepine Water Well
FHB008	9/23/99		5	Chromium, total recoverable	100	µg/L		Seepine Water Well
FHB012	5/3/99		5	Chromium, total recoverable	100	µg/L		Seepine Surface Stream Water Well
FHB012	9/21/99		1.13	Chromium, total recoverable	100	µg/L		Seepine Surface Stream Water Well
FHB013	5/3/99		28.7	Chromium, total recoverable	100	µg/L		Seepine Water Well
FHB013	9/21/99		0.886	Chromium, total recoverable	100	µg/L	J	Seepine Water Well
FHB014	5/3/99		2.91	Chromium, total recoverable	100	µg/L	J	Seepine Water Well
FHB014	9/23/99		5	Chromium, total recoverable	100	µg/L	U	Seepine Water Well
FHB016	5/3/99 +		162	Chromium, total recoverable	100	µg/L		Seepine Water Well
FHB016	9/21/99 +		1040	Chromium, total recoverable	100	µg/L		Seepine Water Well
FHB017	5/3/99		66.8	Chromium, total recoverable	100	µg/L		Seepine Water Well
FHB017	9/21/99 +		1100	Chromium, total recoverable	100	µg/L		Seepine Water Well
FHB018	5/3/99 +		993	Chromium, total recoverable	100	µg/L		Seepine Water Well
FHB018	9/21/99		86.8	Chromium, total recoverable	100	µg/L		Seepine Water Well
FHB019	5/3/99		1.15	Chromium, total recoverable	100	µg/L	J	Seepine Water Well
FHB019	9/23/99		1.08	Chromium, total recoverable	100	µg/L	JU	Seepine Water Well
FHB020	5/3/99 +		232	Chromium, total recoverable	100	µg/L		Seepine Water Well
FHB020	9/23/99 +		248	Chromium, total recoverable	100	µg/L		Seepine Water Well
FHB022	5/3/99		1.56	Chromium, total recoverable	100	µg/L	J	Seepine Water Well
FHB022	9/21/99		5	Chromium, total recoverable	100	µg/L	U	Seepine Water Well
FHB024	5/3/99		5	Chromium, total recoverable	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		5	Chromium, total recoverable	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		5	Chromium, total recoverable	100	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		5	Chromium, total recoverable	100	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FMC002H	5/3/99		0.698	Chromium, total recoverable	100	µg/L	J	FMB Surface Water Well
FMC002H	9/23/99		2.25	Chromium, total recoverable	100	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		5	Chromium, total recoverable	100	µg/L	U	Seepine Water Well
FSP061	9/22/99		5	Chromium, total recoverable	100	µg/L	U	Seepine Water Well
FSP062	9/22/99		1.67	Chromium, total recoverable	100	µg/L	J	Seepine Water Well
FSP063	9/22/99		5	Chromium, total recoverable	100	µg/L	U	Seepine Water Well
FSP064	9/22/99		6.69	Chromium, total recoverable	100	µg/L	U	Seepine Water Well
FSP065	9/22/99		5	Chromium, total recoverable	100	µg/L	U	Seepine Water Well
FSP066	9/22/99		1.2	Chromium, total recoverable	100	µg/L	J	Seepine Water Well
FSP067	9/22/99		5	Chromium, total recoverable	100	µg/L	U	Seepine Water Well
FSP068	9/22/99		5	Chromium, total recoverable	100	µg/L	U	Seepine Water Well
FSP069	9/22/99		5	Chromium, total recoverable	100	µg/L	U	Seepine Water Well
FSP070	9/22/99		8.74	Chromium, total recoverable	100	µg/L	JU	Seepine Water Well
FSP071	9/23/99		4.52	Chromium, total recoverable	100	µg/L	U	Seepine Water Well
FSP072	9/23/99		12.7	Chromium, total recoverable	100	µg/L	J	Seepine Water Well
HSP071	9/21/99		2.98	Chromium, total recoverable	100	µg/L	U	Seepine Water Well
HSP097	9/23/99		70.4	Chromium, total recoverable	100	µg/L	U	Seepine Water Well
FHB004	9/23/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Surface Stream
FHB005	9/23/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Surface Stream
FHB008	9/23/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Surface Stream
FHB012	5/3/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Surface Stream
FHB012	9/21/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Surface Stream
FHB013	5/3/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Surface Stream
FHB013	9/21/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Surface Stream
FHB014	5/3/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Surface Stream
FHB014	9/23/99		1	cis-1,3-Dichloropropene	20	µg/L	JU	Seepine Surface Stream
FHB016	5/3/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Surface Stream
FHB016	9/21/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Surface Stream
FHB017	5/3/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Surface Stream

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB017	9/21/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FHB018	5/3/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FHB018	9/21/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FHB019	5/3/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FHB019	9/23/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FHB020	5/3/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FHB020	9/23/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FHB022	5/3/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FHB022	9/21/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FHB024	5/3/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FMC002H	5/3/99		1	cis-1,3-Dichloropropene	20	µg/L	JU	FMB Surface Water Well
FMC002H	9/23/99		1	cis-1,3-Dichloropropene	20	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FSP061	9/22/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FSP062	9/22/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FSP063	9/22/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FSP064	9/22/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FSP065	9/22/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FSP066	9/22/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FSP067	9/22/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FSP068	9/22/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FSP069	9/22/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FSP070	9/22/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FSP071	9/23/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FSP072	9/23/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
HSP071	9/21/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
HSP097	9/23/99		1	cis-1,3-Dichloropropene	20	µg/L	U	Seepline Water Well
FHB004	9/23/99	+	526	Cobalt, total recoverable	100	µg/L		Seepline Water Well
FHB005	9/23/99		3.11	Cobalt, total recoverable	100	µg/L	J	Seepline Water Well
FHB008	9/23/99		5	Cobalt, total recoverable	100	µg/L	U	Seepline Water Well
FHB012	5/3/99		5	Cobalt, total recoverable	100	µg/L	U	Seepline Surface Stream Water Well
FHB012	9/21/99		1.52	Cobalt, total recoverable	100	µg/L	J	Seepline Surface Stream Water Well
FHB013	5/3/99		4.34	Cobalt, total recoverable	100	µg/L	J	Seepline Water Well
FHB013	9/21/99		4.61	Cobalt, total recoverable	100	µg/L	J	Seepline Water Well
FHB014	5/3/99		0.775	Cobalt, total recoverable	100	µg/L	J	Seepline Water Well
FHB014	9/23/99		5	Cobalt, total recoverable	100	µg/L	U	Seepline Water Well
FHB016	5/3/99		14.6	Cobalt, total recoverable	100	µg/L		Seepline Water Well
FHB016	9/21/99	+	1050	Cobalt, total recoverable	100	µg/L		Seepline Water Well
FHB017	5/3/99		4.63	Cobalt, total recoverable	100	µg/L	J	Seepline Water Well
FHB017	9/21/99		1110	Cobalt, total recoverable	100	µg/L	J	Seepline Water Well
FHB018	5/3/99	+	1000	Cobalt, total recoverable	100	µg/L		Seepline Water Well
FHB018	9/21/99		1.47	Cobalt, total recoverable	100	µg/L	J	Seepline Water Well
FHB019	5/3/99		1.6	Cobalt, total recoverable	100	µg/L	J	Seepline Water Well
FHB019	9/23/99		1.51	Cobalt, total recoverable	100	µg/L	J	Seepline Water Well
FHB020	5/3/99		21.7	Cobalt, total recoverable	100	µg/L	J	Seepline Water Well
FHB020	9/23/99		15.3	Cobalt, total recoverable	100	µg/L		Seepline Water Well
FHB022	5/3/99		0.791	Cobalt, total recoverable	100	µg/L	J	Seepline Water Well
FHB022	9/21/99		5	Cobalt, total recoverable	100	µg/L	U	Seepline Water Well
FHB024	5/3/99		1.47	Cobalt, total recoverable	100	µg/L	J	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		2.18	Cobalt, total recoverable	100	µg/L	J	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		5	Cobalt, total recoverable	100	µg/L	U	Seepline Surface Stream Water Well
FHB030	9/23/99		1.13	Cobalt, total recoverable	100	µg/L	J	Seepline Water Well
FMC002H	5/3/99		5	Cobalt, total recoverable	100	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		2.21	Cobalt, total recoverable	100	µg/L	J	FMB Surface Water Well
FSP060	9/22/99		5	Cobalt, total recoverable	100	µg/L	U	Seepline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP061	9/22/99		4.46	Cobalt, total recoverable	100	µg/L	J	Seepine Water Well
FSP062	9/22/99		3.14	Cobalt, total recoverable	100	µg/L	J	Seepine Water Well
FSP063	9/22/99		5	Cobalt, total recoverable	100	µg/L	U	Seepine Water Well
FSP064	9/22/99		7.08	Cobalt, total recoverable	100	µg/L	J	Seepine Water Well
FSP065	9/22/99		3.95	Cobalt, total recoverable	100	µg/L	U	Seepine Water Well
FSP066	9/22/99		5	Cobalt, total recoverable	100	µg/L	U	Seepine Water Well
FSP067	9/22/99		5	Cobalt, total recoverable	100	µg/L	U	Seepine Water Well
FSP068	9/22/99		1.81	Cobalt, total recoverable	100	µg/L	J	Seepine Water Well
FSP069	9/22/99		5	Cobalt, total recoverable	100	µg/L	U	Seepine Water Well
FSP070	9/22/99		3.99	Cobalt, total recoverable	100	µg/L	J	Seepine Water Well
FSP071	9/23/99		0.701	Cobalt, total recoverable	100	µg/L	J	Seepine Water Well
FSP072	9/23/99		12	Cobalt, total recoverable	100	µg/L	U	Seepine Water Well
HSP071	9/21/99		5	Cobalt, total recoverable	100	µg/L	U	Seepine Water Well
HSP097	9/23/99	+	118	Cobalt, total recoverable	100	µg/L	U	Seepine Water Well
FHB004	9/23/99		518	Copper, total recoverable	1000	µg/L	U	Seepine Water Well
FHB005	9/23/99		38.8	Copper, total recoverable	1000	µg/L	U	Seepine Water Well
FHB008	9/23/99		1.63	Copper, total recoverable	1000	µg/L	JU	Seepine Water Well
FHB012	5/3/99		1.43	Copper, total recoverable	1000	µg/L	J	Seepine Surface Stream Water Well
FHB012	9/21/99		5	Copper, total recoverable	1000	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		22.6	Copper, total recoverable	1000	µg/L	U	Seepine Water Well
FHB013	9/21/99		2.12	Copper, total recoverable	1000	µg/L	J	Seepine Water Well
FHB014	5/3/99		2.29	Copper, total recoverable	1000	µg/L	U	Seepine Water Well
FHB014	9/23/99		5	Copper, total recoverable	1000	µg/L	U	Seepine Water Well
FHB016	5/3/99		111	Copper, total recoverable	1000	µg/L	U	Seepine Water Well
FHB016	9/21/99	+	1050	Copper, total recoverable	1000	µg/L	U	Seepine Water Well
FHB017	5/3/99		46.9	Copper, total recoverable	1000	µg/L	U	Seepine Water Well
FHB017	9/21/99	+	1070	Copper, total recoverable	1000	µg/L	U	Seepine Water Well
FHB018	5/3/99	+	1060	Copper, total recoverable	1000	µg/L	U	Seepine Water Well
FHB018	9/21/99		87.5	Copper, total recoverable	1000	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB019	5/3/99		2.99	Copper, total recoverable	1000	µg/L	J	Seepine Water Well
FHB019	9/23/99		1.62	Copper, total recoverable	1000	µg/L	JU	Seepine Water Well
FHB020	5/3/99		148	Copper, total recoverable	1000	µg/L		Seepine Water Well
FHB020	9/23/99		138	Copper, total recoverable	1000	µg/L		Seepine Water Well
FHB022	5/3/99		1.42	Copper, total recoverable	1000	µg/L	J	Seepine Water Well
FHB022	9/21/99		5	Copper, total recoverable	1000	µg/L	U	Seepine Water Well
FHB024	5/3/99		3.62	Copper, total recoverable	1000	µg/L		J Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		4.73	Copper, total recoverable	1000	µg/L	JU	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1.34	Copper, total recoverable	1000	µg/L		J Seepine Surface Stream Water Well
FHB030	9/23/99		1.64	Copper, total recoverable	1000	µg/L	JU	Seepine Water Well
FMC002H	5/3/99		2.17	Copper, total recoverable	1000	µg/L		J FMB Surface Water Well
FMC002H	9/23/99		6.11	Copper, total recoverable	1000	µg/L	U	FMB Surface Water Well
FSP060	9/22/99		1.28	Copper, total recoverable	1000	µg/L		J Seepine Water Well
FSP061	9/22/99		1.97	Copper, total recoverable	1000	µg/L	J	Seepine Water Well
FSP062	9/22/99		3.69	Copper, total recoverable	1000	µg/L	J	Seepine Water Well
FSP063	9/22/99		1.5	Copper, total recoverable	1000	µg/L	J	Seepine Water Well
FSP064	9/22/99		4.78	Copper, total recoverable	1000	µg/L	J	Seepine Water Well
FSP065	9/22/99		5	Copper, total recoverable	1000	µg/L	U	Seepine Water Well
FSP066	9/22/99		1.86	Copper, total recoverable	1000	µg/L	J	Seepine Water Well
FSP067	9/22/99		5	Copper, total recoverable	1000	µg/L	U	Seepine Water Well
FSP068	9/22/99		2.02	Copper, total recoverable	1000	µg/L	J	Seepine Water Well
FSP069	9/22/99		3.4	Copper, total recoverable	1000	µg/L	J	Seepine Water Well
FSP070	9/22/99		11.4	Copper, total recoverable	1000	µg/L		Seepine Water Well
FSP071	9/23/99		2.56	Copper, total recoverable	1000	µg/L	JU	Seepine Water Well
FSP072	9/23/99		12.3	Copper, total recoverable	1000	µg/L		Seepine Water Well
HSP071	9/21/99		3.29	Copper, total recoverable	1000	µg/L	J	Seepine Water Well
HSP097	9/23/99		38.9	Copper, total recoverable	1000	µg/L		Seepine Water Well
FHB004	9/23/99		1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FHB005	9/23/99		1	Dibromochloromethane	100	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB008	9/23/99	1	1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FHB012	5/3/99	1	1	Dibromochloromethane	100	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99	1	1	Dibromochloromethane	100	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99	1	1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FHB013	9/21/99	1	1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FHB014	5/3/99	1	1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FHB014	9/23/99	1	1	Dibromochloromethane	100	µg/L	JU	Seepine Water Well
FHB016	5/3/99	1	1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FHB016	9/21/99	1	1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FHB017	5/3/99	1	1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FHB017	9/21/99	1	1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FHB018	5/3/99	1	1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FHB018	9/21/99	1	1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FHB019	5/3/99	1	1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FHB019	9/23/99	1	1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FHB020	5/3/99	1	1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FHB020	9/23/99	1	1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FHB022	5/3/99	1	1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FHB022	9/21/99	1	1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FHB024	5/3/99	1	1	Dibromochloromethane	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99	1	1	Dibromochloromethane	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99	1	1	Dibromochloromethane	100	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99	1	1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FMC002H	5/3/99	1	1	Dibromochloromethane	100	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99	1	1	Dibromochloromethane	100	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99	1	1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FSP061	9/22/99	1	1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FSP062	9/22/99	1	1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FSP063	9/22/99	1	1	Dibromochloromethane	100	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP064	9/22/99		1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FSP065	9/22/99		1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FSP066	9/22/99		1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FSP067	9/22/99		1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FSP068	9/22/99		1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FSP069	9/22/99		1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FSP070	9/22/99		1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FSP071	9/23/99		1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FSP072	9/23/99		1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
HSP071	9/21/99		1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
HSP097	9/23/99		1	Dibromochloromethane	100	µg/L	U	Seepine Water Well
FHB004	9/23/99		52.9	Dibromofluoromethane		µg/L		Seepine Water Well
FHB005	9/23/99		50.7	Dibromofluoromethane		µg/L		Seepine Water Well
FHB008	9/23/99		52	Dibromofluoromethane		µg/L		Seepine Water Well
FHB012	5/3/99		49.1	Dibromofluoromethane		µg/L		Seepine Surface Stream Water Well
FHB012	9/21/99		57.8	Dibromofluoromethane		µg/L		Seepine Surface Stream Water Well
FHB013	5/3/99		46.3	Dibromofluoromethane		µg/L		Seepine Water Well
FHB013	9/21/99		49.1	Dibromofluoromethane		µg/L		Seepine Water Well
FHB014	5/3/99		47.9	Dibromofluoromethane		µg/L		Seepine Water Well
FHB014	9/23/99		52.4	Dibromofluoromethane		µg/L		Seepine Water Well
FHB016	5/3/99		47	Dibromofluoromethane		µg/L		Seepine Water Well
FHB016	9/21/99		52.8	Dibromofluoromethane		µg/L		Seepine Water Well
FHB017	5/3/99		48.6	Dibromofluoromethane		µg/L		Seepine Water Well
FHB017	9/21/99		47.6	Dibromofluoromethane		µg/L		Seepine Water Well
FHB018	5/3/99		47.6	Dibromofluoromethane		µg/L		Seepine Water Well
FHB018	9/21/99		48	Dibromofluoromethane		µg/L		Seepine Water Well
FHB019	5/3/99		47.2	Dibromofluoromethane		µg/L		Seepine Water Well
FHB019	9/23/99		52.6	Dibromofluoromethane		µg/L		Seepine Water Well
FHB020	5/3/99		47.7	Dibromofluoromethane		µg/L		Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB020	9/23/99		51.4	Dibromofluoromethane		µg/L		Seepine Water Well
FHB022	5/3/99		47.8	Dibromofluoromethane		µg/L		Seepine Water Well
FHB022	9/21/99		48	Dibromofluoromethane		µg/L		Seepine Water Well
FHB024	5/3/99		47.1	Dibromofluoromethane		µg/L		Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		51.3	Dibromofluoromethane		µg/L		Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		48.8	Dibromofluoromethane		µg/L		Seepine Surface Stream Water Well
FHB030	9/23/99		53.2	Dibromofluoromethane		µg/L		Seepine Water Well
FMC002H	5/3/99		47.2	Dibromofluoromethane		µg/L		FMB Surface Water Well
FMC002H	9/23/99		60.9	Dibromofluoromethane		µg/L		FMB Surface Water Well
FSP060	9/22/99		48.3	Dibromofluoromethane		µg/L		Seepine Water Well
FSP061	9/22/99		48.7	Dibromofluoromethane		µg/L		Seepine Water Well
FSP062	9/22/99		46.1	Dibromofluoromethane		µg/L		Seepine Water Well
FSP063	9/22/99		46.9	Dibromofluoromethane		µg/L		Seepine Water Well
FSP064	9/22/99		46.9	Dibromofluoromethane		µg/L		Seepine Water Well
FSP065	9/22/99		47.7	Dibromofluoromethane		µg/L		Seepine Water Well
FSP066	9/22/99		47.5	Dibromofluoromethane		µg/L		Seepine Water Well
FSP067	9/22/99		46.9	Dibromofluoromethane		µg/L		Seepine Water Well
FSP068	9/22/99		48.8	Dibromofluoromethane		µg/L		Seepine Water Well
FSP069	9/22/99		47.9	Dibromofluoromethane		µg/L		Seepine Water Well
FSP070	9/22/99		48.3	Dibromofluoromethane		µg/L		Seepine Water Well
FSP071	9/23/99		53.9	Dibromofluoromethane		µg/L		Seepine Water Well
FSP072	9/23/99		52.9	Dibromofluoromethane		µg/L		Seepine Water Well
HSP071	9/21/99		47.6	Dibromofluoromethane		µg/L		Seepine Water Well
HSP097	9/23/99		58.3	Dibromofluoromethane		µg/L		Seepine Water Well
FHB004	9/23/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FHB005	9/23/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FHB008	9/23/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FHB012	5/3/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Surface Stream Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB013	5/3/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FHB013	9/21/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FHB014	5/3/99		1	Dibromomethane (Methylene bromide)	20	µg/L		Seepine Water Well
FHB014	9/23/99		1	Dibromomethane (Methylene bromide)	20	µg/L	JU	Seepine Water Well
FHB016	5/3/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FHB016	9/21/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FHB017	5/3/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FHB017	9/21/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FHB018	5/3/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FHB018	9/21/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FHB019	5/3/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FHB019	9/23/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FHB020	5/3/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FHB020	9/23/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FHB022	5/3/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FHB022	9/21/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FHB024	5/3/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FMC002H	5/3/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		1	Dibromomethane (Methylene bromide)	20	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FSP061	9/22/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FSP062	9/22/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FSP063	9/22/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FSP064	9/22/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FSP065	9/22/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FSP066	9/22/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP067	9/22/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FSP068	9/22/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FSP069	9/22/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FSP070	9/22/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FSP071	9/23/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FSP072	9/23/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
HSP071	9/21/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
HSP097	9/23/99		1	Dibromomethane (Methylene bromide)	20	µg/L	U	Seepine Water Well
FHB004	9/23/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FHB005	9/23/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FHB008	9/23/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FHB012	5/3/99		2.79	Dichlorodifluoromethane	20	µg/L	J	Seepine Surface Stream Water Well
FHB012	9/21/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FHB013	9/21/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FHB014	5/3/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FHB014	9/23/99		5	Dichlorodifluoromethane	20	µg/L	JU	Seepine Water Well
FHB016	5/3/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FHB016	9/21/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FHB017	5/3/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FHB017	9/21/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FHB018	5/3/99		1.31	Dichlorodifluoromethane	20	µg/L	J	Seepine Water Well
FHB018	9/21/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FHB019	5/3/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FHB019	9/23/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FHB020	5/3/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FHB020	9/23/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FHB022	5/3/99		1.95	Dichlorodifluoromethane	20	µg/L	J	Seepine Water Well
FHB022	9/21/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB024	5/3/99		5	Dichlorodifluoromethane	20	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		5	Dichlorodifluoromethane	20	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Surface Stream Water Well
FMC002H	5/3/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FMC002H	9/23/99		5	Dichlorodifluoromethane	20	µg/L	U	FMB Surface Water Well
FSP060	9/22/99		5	Dichlorodifluoromethane	20	µg/L	JU	FMB Surface Water Well
FSP061	9/22/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FSP062	9/22/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FSP063	9/22/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FSP064	9/22/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FSP065	9/22/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FSP066	9/22/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FSP067	9/22/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FSP068	9/22/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FSP069	9/22/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FSP070	9/22/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FSP071	9/23/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FSP072	9/23/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
HSP071	9/21/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
HSP097	9/23/99		5	Dichlorodifluoromethane	20	µg/L	U	Seepine Water Well
FHB004	9/23/99		5	Dichloromethane (Methylene chloride)	20	µg/L	U	Seepine Water Well
FHB005	9/23/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepine Water Well
FHB008	9/23/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepine Water Well
FHB012	5/3/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepine Water Well
FHB012	9/21/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		1.46	Dichloromethane (Methylene chloride)	5	µg/L	Seepine Surface Stream Water Well	
FHB013	9/21/99		5	Dichloromethane (Methylene chloride)	5	µg/L	J	Seepine Surface Stream Water Well
FHB014	5/3/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepine Water Well
					5	µg/L	Seepine Water Well	

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB014	9/23/99		1.58	Dichloromethane (Methylene chloride)	5	µg/L	JU	Seepiline Water Well
FHB016	5/3/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepiline Water Well
FHB016	9/21/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepiline Water Well
FHB017	5/3/99		1.43	Dichloromethane (Methylene chloride)	5	µg/L	J	Seepiline Water Well
FHB017	9/21/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepiline Water Well
FHB018	5/3/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepiline Water Well
FHB018	9/21/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepiline Water Well
FHB019	5/3/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepiline Water Well
FHB019	9/23/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepiline Water Well
FHB020	5/3/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepiline Water Well
FHB020	9/23/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepiline Water Well
FHB022	5/3/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepiline Water Well
FHB022	9/21/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepiline Water Well
FHB024	5/3/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepiline Surface Stream Water Well
FHB030	9/23/99		1.33	Dichloromethane (Methylene chloride)	5	µg/L	JU	Seepiline Water Well
FMC002H	5/3/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		5	Dichloromethane (Methylene chloride)	5	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepiline Water Well
FSP061	9/22/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepiline Water Well
FSP062	9/22/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepiline Water Well
FSP063	9/22/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepiline Water Well
FSP064	9/22/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepiline Water Well
FSP065	9/22/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepiline Water Well
FSP066	9/22/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepiline Water Well
FSP067	9/22/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepiline Water Well
FSP068	9/22/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepiline Water Well
FSP069	9/22/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepiline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP070	9/22/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepiline Water Well
FSP071	9/23/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepiline Water Well
FSP072	9/23/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepiline Water Well
HSP071	9/21/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepiline Water Well
HSP097	9/23/99		5	Dichloromethane (Methylene chloride)	5	µg/L	U	Seepiline Water Well
FHB004	9/23/99		5	Ethyl methacrylate	5	µg/L	U	Seepiline Water Well
FHB005	9/23/99		5	Ethyl methacrylate	5	µg/L	U	Seepiline Water Well
FHB008	9/23/99		5	Ethyl methacrylate	5	µg/L	U	Seepiline Water Well
FHB012	5/3/99		5	Ethyl methacrylate	5	µg/L	U	Seepiline Surface Stream Water Well
FHB012	9/21/99		5	Ethyl methacrylate	5	µg/L	U	Seepiline Surface Stream Water Well
FHB013	5/3/99		5	Ethyl methacrylate	5	µg/L	U	Seepiline Water Well
FHB013	9/21/99		5	Ethyl methacrylate	5	µg/L	U	Seepiline Water Well
FHB014	5/3/99		5	Ethyl methacrylate	5	µg/L	U	Seepiline Water Well
FHB014	9/23/99		5	Ethyl methacrylate	5	µg/L	JU	Seepiline Water Well
FHB016	5/3/99		5	Ethyl methacrylate	5	µg/L	U	Seepiline Water Well
FHB016	9/21/99		5	Ethyl methacrylate	5	µg/L	U	Seepiline Water Well
FHB017	5/3/99		5	Ethyl methacrylate	5	µg/L	U	Seepiline Water Well
FHB017	9/21/99		5	Ethyl methacrylate	5	µg/L	U	Seepiline Water Well
FHB018	5/3/99		5	Ethyl methacrylate	5	µg/L	U	Seepiline Water Well
FHB018	9/21/99		5	Ethyl methacrylate	5	µg/L	U	Seepiline Water Well
FHB019	5/3/99		5	Ethyl methacrylate	5	µg/L	U	Seepiline Water Well
FHB019	9/23/99		5	Ethyl methacrylate	5	µg/L	U	Seepiline Water Well
FHB020	5/3/99		5	Ethyl methacrylate	5	µg/L	U	Seepiline Water Well
FHB020	9/23/99		5	Ethyl methacrylate	5	µg/L	U	Seepiline Water Well
FHB022	5/3/99		5	Ethyl methacrylate	5	µg/L	U	Seepiline Water Well
FHB022	9/21/99		5	Ethyl methacrylate	5	µg/L	U	Seepiline Water Well
FHB024	5/3/99		5	Ethyl methacrylate	5	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		5	Ethyl methacrylate	5	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		5	Ethyl methacrylate	5	µg/L	U	Seepiline Surface Stream Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB030	9/23/99		5	Ethyl methacrylate	5	µg/L	U	Seepine Water Well
FMC002H	5/3/99		5	Ethyl methacrylate	5	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		5	Ethyl methacrylate	5	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		5	Ethyl methacrylate	5	µg/L	U	Seepine Water Well
FSP061	9/22/99		5	Ethyl methacrylate	5	µg/L	U	Seepine Water Well
FSP062	9/22/99		5	Ethyl methacrylate	5	µg/L	U	Seepine Water Well
FSP063	9/22/99		5	Ethyl methacrylate	5	µg/L	U	Seepine Water Well
FSP064	9/22/99		5	Ethyl methacrylate	5	µg/L	U	Seepine Water Well
FSP065	9/22/99		5	Ethyl methacrylate	5	µg/L	U	Seepine Water Well
FSP066	9/22/99		5	Ethyl methacrylate	5	µg/L	U	Seepine Water Well
FSP067	9/22/99		5	Ethyl methacrylate	5	µg/L	U	Seepine Water Well
FSP068	9/22/99		5	Ethyl methacrylate	5	µg/L	U	Seepine Water Well
FSP069	9/22/99		5	Ethyl methacrylate	5	µg/L	U	Seepine Water Well
FSP070	9/22/99		5	Ethyl methacrylate	5	µg/L	U	Seepine Water Well
FSP071	9/23/99		5	Ethyl methacrylate	5	µg/L	U	Seepine Water Well
FSP072	9/23/99		5	Ethyl methacrylate	5	µg/L	U	Seepine Water Well
HSP071	9/21/99		5	Ethyl methacrylate	5	µg/L	U	Seepine Water Well
HSP097	9/23/99		5	Ethyl methacrylate	5	µg/L	U	Seepine Water Well
FHB004	9/23/99		1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FHB005	9/23/99		1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FHB008	9/23/99		1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FHB012	5/3/99		1	Ethylbenzene	700	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		1	Ethylbenzene	700	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FHB013	9/21/99		1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FHB014	5/3/99		1	Ethylbenzene	700	µg/L	Seepine	Water Well
FHB014	9/23/99		1	Ethylbenzene	700	µg/L	JU	Seepine Water Well
FHB016	5/3/99		1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FHB016	9/21/99		1	Ethylbenzene	700	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB017	5/3/99	1	1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FHB017	9/21/99	1	1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FHB018	5/3/99	1	1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FHB018	9/21/99	1	1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FHB019	5/3/99	1	1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FHB019	9/23/99	1	1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FHB020	5/3/99	1	1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FHB020	9/23/99	1	1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FHB022	5/3/99	1	1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FHB022	9/21/99	1	1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FHB024	5/3/99	1	1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FHB024	9/23/99	1	1	Ethylbenzene	700	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99	1	1	Ethylbenzene	700	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB030	9/23/99	1	1	Ethylbenzene	700	µg/L	U	Seepine Surface Stream Water Well
FMC002H	5/3/99	1	1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FMC002H	9/23/99	1	1	Ethylbenzene	700	µg/L	U	FMB Surface Water Well
FSP060	9/22/99	1	1	Ethylbenzene	700	µg/L	JU	FMB Surface Water Well
FSP061	9/22/99	1	1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FSP062	9/22/99	1	1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FSP063	9/22/99	1	1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FSP064	9/22/99	1	1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FSP065	9/22/99	1	1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FSP066	9/22/99	1	1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FSP067	9/22/99	1	1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FSP068	9/22/99	1	1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FSP069	9/22/99	1	1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FSP070	9/22/99	1	1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FSP071	9/23/99	1	1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FSP072	9/23/99	1	1	Ethylbenzene	700	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
HSP071	9/21/99		1	Ethylbenzene	700	µg/L	U	Seepine Water Well
HSP097	9/23/99		1	Ethylbenzene	700	µg/L	U	Seepine Water Well
FHB004	9/23/99	+	42.1	Gross alpha	15	pCi/L		Seepine Water Well
FHB008	9/23/99		5.42	Gross alpha	15	pCi/L		Seepine Water Well
FHB012	5/3/99		4.4	Gross alpha	15	pCi/L		Seepine Surface Stream Water Well
FHB012	9/21/99		5.96	Gross alpha	15	pCi/L		Seepine Surface Stream Water Well
FHB013	5/3/99	+	19.1	Gross alpha	15	pCi/L		Seepine Water Well
FHB013	9/21/99		2.73	Gross alpha	15	pCi/L	J	Seepine Water Well
FHB014	5/3/99		3.79	Gross alpha	15	pCi/L		Seepine Water Well
FHB014	9/23/99		2.82	Gross alpha	15	pCi/L	J	Seepine Water Well
FHB016	9/21/99		9.03	Gross alpha	15	pCi/L		Seepine Water Well
FHB017	5/3/99		3.49	Gross alpha	15	pCi/L		Seepine Water Well
FHB017	9/21/99		4.32	Gross alpha	15	pCi/L		Seepine Water Well
FHB018	5/3/99		9.59	Gross alpha	15	pCi/L		Seepine Water Well
FHB018	9/21/99	+	41.5	Gross alpha	15	pCi/L		Seepine Water Well
FHB019	5/3/99		6.08	Gross alpha	15	pCi/L		Seepine Water Well
FHB019	9/23/99	+	26.8	Gross alpha	15	pCi/L		Seepine Water Well
FHB020	5/3/99		10.1	Gross alpha	15	pCi/L		Seepine Water Well
FHB022	5/3/99		2.32	Gross alpha	15	pCi/L		Seepine Water Well
FHB022	9/21/99		2.83	Gross alpha	15	pCi/L		Seepine Water Well
FHB024	5/3/99		4.31	Gross alpha	15	pCi/L		Seepine Water Well
FHB024	9/23/99		3.26	Gross alpha	15	pCi/L		Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		2.86	Gross alpha	15	pCi/L		Engineered Ditch Surface Stream Water Well
FHB030	9/23/99		2.58	Gross alpha	15	pCi/L		Seepine Surface Stream Water Well
FMC002H	5/3/99		0.978	Gross alpha	15	pCi/L		Seepine Water Well
FMC002H	9/23/99		2.65	Gross alpha	15	pCi/L	J	FMB Surface Water Well
FSP060	9/22/99		2.26	Gross alpha	15	pCi/L	J	FMB Surface Water Well
FSP061	9/22/99		2.1	Gross alpha	15	pCi/L	J	Seepine Water Well
FSP062	9/22/99		1.66	Gross alpha	15	pCi/L		Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP063	9/22/99		0.7	Gross alpha	15	pCi/L	U	Seepine Water Well
FSP064	9/22/99	+	25.4	Gross alpha	15	pCi/L		Seepine Water Well
FSP065	9/22/99		1.84	Gross alpha	15	pCi/L		Seepine Water Well
FSP066	9/22/99	+	113	Gross alpha	15	pCi/L		Seepine Water Well
FSP067	9/22/99		0.675	Gross alpha	15	pCi/L	J	Seepine Water Well
FSP068	9/22/99		0.897	Gross alpha	15	pCi/L	J	Seepine Water Well
FSP069	9/22/99		3.8	Gross alpha	15	pCi/L		Seepine Water Well
FSP070	9/22/99		4.88	Gross alpha	15	pCi/L		Seepine Water Well
FSP071	9/23/99		4.5	Gross alpha	15	pCi/L		Seepine Water Well
FSP072	9/23/99		7.6	Gross alpha	15	pCi/L		Seepine Water Well
HSP071	9/21/99		2.95	Gross alpha	15	pCi/L	J	Seepine Water Well
HSP097	9/23/99	+	577	Gross alpha	15	pCi/L		Seepine Water Well
FHB004	9/23/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepine Water Well
FHB005	9/23/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepine Water Well
FHB008	9/23/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepine Water Well
FHB012	5/3/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepine Surface Stream
FHB012	9/21/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepine Surface Stream
FHB013	5/3/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepine Water Well
FHB013	9/21/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepine Water Well
FHB014	5/3/99		10	Iodomethane (Methyl iodide)	250	µg/L		Seepine Water Well
FHB014	9/23/99		10	Iodomethane (Methyl iodide)	250	µg/L	JU	Seepine Water Well
FHB016	5/3/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepine Water Well
FHB016	9/21/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepine Water Well
FHB017	5/3/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepine Water Well
FHB017	9/21/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepine Water Well
FHB018	5/3/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepine Water Well
FHB018	9/21/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepine Water Well
FHB019	5/3/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepine Water Well
FHB019	9/23/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB020	5/3/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepline Water Well
FHB020	9/23/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepline Water Well
FHB022	5/3/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepline Water Well
FHB022	9/21/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepline Water Well
FHB024	5/3/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepline Surface Stream Water Well
FHB030	9/23/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepline Water Well
FMC002H	5/3/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		10	Iodomethane (Methyl iodide)	250	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepline Water Well
FSP061	9/22/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepline Water Well
FSP062	9/22/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepline Water Well
FSP063	9/22/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepline Water Well
FSP064	9/22/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepline Water Well
FSP065	9/22/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepline Water Well
FSP066	9/22/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepline Water Well
FSP067	9/22/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepline Water Well
FSP068	9/22/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepline Water Well
FSP069	9/22/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepline Water Well
FSP070	9/22/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepline Water Well
FSP071	9/23/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepline Water Well
FSP072	9/23/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepline Water Well
HSP071	9/21/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepline Water Well
HSP097	9/23/99		10	Iodomethane (Methyl iodide)	250	µg/L	U	Seepline Water Well
FHB004	9/23/99 +		5710	Iron, total recoverable	300	µg/L		Seepline Water Well
FHB005	9/23/99 +		13700	Iron, total recoverable	300	µg/L		Seepline Water Well
FHB008	9/23/99		237	Iron, total recoverable	300	µg/L		Seepline Water Well
FHB012	5/3/99 +		947	Iron, total recoverable	300	µg/L		Seepline Surface Stream Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB012	9/21/99	+	880	Iron, total recoverable	300	µg/L		Seepine Surface Stream Water Well
FHB013	5/3/99	+	8410	Iron, total recoverable	300	µg/L		Seepine Water Well
FHB013	9/21/99	+	712	Iron, total recoverable	300	µg/L		Seepine Water Well
FHB014	5/3/99	+	1710	Iron, total recoverable	300	µg/L		Seepine Water Well
FHB014	9/23/99		265	Iron, total recoverable	300	µg/L		Seepine Water Well
FHB016	5/3/99	+	121000	Iron, total recoverable	300	µg/L		Seepine Water Well
FHB016	9/21/99	+	3870	Iron, total recoverable	300	µg/L		Seepine Water Well
FHB017	5/3/99	+	33900	Iron, total recoverable	300	µg/L		Seepine Water Well
FHB017	9/21/99	+	7190	Iron, total recoverable	300	µg/L		Seepine Water Well
FHB018	5/3/99	+	78600	Iron, total recoverable	300	µg/L		Seepine Water Well
FHB018	9/21/99	+	228000	Iron, total recoverable	300	µg/L		Seepine Water Well
FHB019	5/3/99	+	2520	Iron, total recoverable	300	µg/L		Seepine Water Well
FHB019	9/23/99	+	628	Iron, total recoverable	300	µg/L		Seepine Water Well
FHB020	5/3/99	+	260000	Iron, total recoverable	300	µg/L		Seepine Water Well
FHB020	9/23/99		50	Iron, total recoverable	300	µg/L	U	Seepine Water Well
FHB022	5/3/99	+	2820	Iron, total recoverable	300	µg/L		Seepine Water Well
FHB022	9/21/99		263	Iron, total recoverable	300	µg/L		Seepine Water Well
FHB024	5/3/99	+	407	Iron, total recoverable	300	µg/L		Engineered Ditch Surface Stream Water Well
FHB024	9/23/99	+	433	Iron, total recoverable	300	µg/L		Engineered Ditch Surface Stream Water Well
FHB026	9/21/99	+	418	Iron, total recoverable	300	µg/L		Seepine Surface Stream Water Well
FHB030	9/23/99		228	Iron, total recoverable	300	µg/L		Seepine Water Well
FMC002H	5/3/99	+	1430	Iron, total recoverable	300	µg/L		FMB Surface Water Well
FMC002H	9/23/99	+	7730	Iron, total recoverable	300	µg/L		FMB Surface Water Well
FSP060	9/22/99	+	3990	Iron, total recoverable	300	µg/L		Seepine Water Well
FSP061	9/22/99	+	383	Iron, total recoverable	300	µg/L		Seepine Water Well
FSP062	9/22/99	+	6010	Iron, total recoverable	300	µg/L		Seepine Water Well
FSP063	9/22/99	+	757	Iron, total recoverable	300	µg/L		Seepine Water Well
FSP064	9/22/99	+	6910	Iron, total recoverable	300	µg/L		Seepine Water Well
FSP065	9/22/99	+	7140	Iron, total recoverable	300	µg/L		Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP066	9/22/99	+	1970	Iron, total recoverable	300	µg/L		Seepine Water Well
FSP067	9/22/99	+	453	Iron, total recoverable	300	µg/L		Seepine Water Well
FSP068	9/22/99		219	Iron, total recoverable	300	µg/L		Seepine Water Well
FSP069	9/22/99	+	2590	Iron, total recoverable	300	µg/L		Seepine Water Well
FSP070	9/22/99	+	5850	Iron, total recoverable	300	µg/L		Seepine Water Well
FSP071	9/23/99	+	3490	Iron, total recoverable	300	µg/L		Seepine Water Well
FSP072	9/23/99	+	9430	Iron, total recoverable	300	µg/L		Seepine Water Well
HSP071	9/21/99	+	2620	Iron, total recoverable	300	µg/L		Seepine Water Well
HSP097	9/23/99	+	42900	Iron, total recoverable	300	µg/L		Seepine Water Well
FHB004	9/23/99		50	Isobutyl alcohol	1669	µg/L		U Seepine Water Well
FHB005	9/23/99		50	Isobutyl alcohol	1669	µg/L		U Seepine Water Well
FHB008	9/23/99		50	Isobutyl alcohol	1669	µg/L		U Seepine Water Well
FHB012	5/3/99		50	Isobutyl alcohol	1669	µg/L		U Seepine Surface Stream Water Well
FHB012	9/21/99		50	Isobutyl alcohol	1669	µg/L		U Seepine Surface Stream Water Well
FHB013	5/3/99		50	Isobutyl alcohol	1669	µg/L		U Seepine Water Well
FHB013	9/21/99		50	Isobutyl alcohol	1669	µg/L		U Seepine Water Well
FHB014	5/3/99		50	Isobutyl alcohol	1669	µg/L		Seepine Water Well
FHB014	9/23/99		50	Isobutyl alcohol	1669	µg/L	JU	Seepine Water Well
FHB016	5/3/99		50	Isobutyl alcohol	1669	µg/L		U Seepine Water Well
FHB016	9/21/99		50	Isobutyl alcohol	1669	µg/L		U Seepine Water Well
FHB017	5/3/99		50	Isobutyl alcohol	1669	µg/L		U Seepine Water Well
FHB017	9/21/99		50	Isobutyl alcohol	1669	µg/L		U Seepine Water Well
FHB018	5/3/99		50	Isobutyl alcohol	1669	µg/L		U Seepine Water Well
FHB018	9/21/99		50	Isobutyl alcohol	1669	µg/L		U Seepine Water Well
FHB019	5/3/99		50	Isobutyl alcohol	1669	µg/L		U Seepine Water Well
FHB019	9/23/99		50	Isobutyl alcohol	1669	µg/L		U Seepine Water Well
FHB020	5/3/99		50	Isobutyl alcohol	1669	µg/L		U Seepine Water Well
FHB020	9/23/99		50	Isobutyl alcohol	1669	µg/L		U Seepine Water Well
FHB022	5/3/99		50	Isobutyl alcohol	1669	µg/L		U Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB022	9/21/99		50	Isobutyl alcohol	1669	µg/L	U	Seepine Water Well
FHB024	5/3/99		50	Isobutyl alcohol	1669	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		50	Isobutyl alcohol	1669	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		50	Isobutyl alcohol	1669	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		50	Isobutyl alcohol	1669	µg/L	U	Seepine Water Well
FMC002H	5/3/99		50	Isobutyl alcohol	1669	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		50	Isobutyl alcohol	1669	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		50	Isobutyl alcohol	1669	µg/L	U	Seepine Water Well
FSP061	9/22/99		50	Isobutyl alcohol	1669	µg/L	U	Seepine Water Well
FSP062	9/22/99		50	Isobutyl alcohol	1669	µg/L	U	Seepine Water Well
FSP063	9/22/99		50	Isobutyl alcohol	1669	µg/L	U	Seepine Water Well
FSP064	9/22/99		50	Isobutyl alcohol	1669	µg/L	U	Seepine Water Well
FSP065	9/22/99		50	Isobutyl alcohol	1669	µg/L	U	Seepine Water Well
FSP066	9/22/99		50	Isobutyl alcohol	1669	µg/L	U	Seepine Water Well
FSP067	9/22/99		50	Isobutyl alcohol	1669	µg/L	U	Seepine Water Well
FSP068	9/22/99		50	Isobutyl alcohol	1669	µg/L	U	Seepine Water Well
FSP069	9/22/99		50	Isobutyl alcohol	1669	µg/L	U	Seepine Water Well
FSP070	9/22/99		50	Isobutyl alcohol	1669	µg/L	U	Seepine Water Well
FSP071	9/23/99		50	Isobutyl alcohol	1669	µg/L	U	Seepine Water Well
FSP072	9/23/99		50	Isobutyl alcohol	1669	µg/L	U	Seepine Water Well
HSP071	9/21/99		50	Isobutyl alcohol	1669	µg/L	U	Seepine Water Well
HSP097	9/23/99		50	Isobutyl alcohol	1669	µg/L	U	Seepine Water Well
FHB004	9/23/99 +		522	Lead, total recoverable	50	µg/L		Seepine Water Well
FHB005	9/23/99		44.9	Lead, total recoverable	50	µg/L		Seepine Water Well
FHB008	9/23/99		5	Lead, total recoverable	50	µg/L	U	Seepine Water Well
FHB012	5/3/99		5	Lead, total recoverable	50	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		5	Lead, total recoverable	50	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99 +		121	Lead, total recoverable	50	µg/L		Seepine Water Well
FHB013	9/21/99		8.99	Lead, total recoverable	50	µg/L		Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB014	5/3/99		2.02	Lead, total recoverable	50	µg/L		Seepine Water Well
FHB014	9/23/99		5	Lead, total recoverable	50	µg/L	U	Seepine Water Well
FHB016	5/3/99 +		194	Lead, total recoverable	50	µg/L		Seepine Water Well
FHB016	9/21/99 +		1050	Lead, total recoverable	50	µg/L		Seepine Water Well
FHB017	5/3/99 +		65	Lead, total recoverable	50	µg/L		Seepine Water Well
FHB017	9/21/99 +		1130	Lead, total recoverable	50	µg/L		Seepine Water Well
FHB018	5/3/99 +		1020	Lead, total recoverable	50	µg/L		Seepine Water Well
FHB018	9/21/99 +		65.8	Lead, total recoverable	50	µg/L		Seepine Water Well
FHB019	5/3/99		3.3	Lead, total recoverable	50	µg/L	J	Seepine Water Well
FHB019	9/23/99		4.1	Lead, total recoverable	50	µg/L	J	Seepine Water Well
FHB020	5/3/99 +		463	Lead, total recoverable	50	µg/L		Seepine Water Well
FHB020	9/23/99 +		525	Lead, total recoverable	50	µg/L		Seepine Water Well
FHB022	5/3/99		5	Lead, total recoverable	50	µg/L	U	Seepine Water Well
FHB022	9/21/99		5	Lead, total recoverable	50	µg/L	U	Seepine Water Well
FHB024	5/3/99		5	Lead, total recoverable	50	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		5	Lead, total recoverable	50	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		5	Lead, total recoverable	50	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		5	Lead, total recoverable	50	µg/L	U	Seepine Water Well
FMC002H	5/3/99		5	Lead, total recoverable	50	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		5	Lead, total recoverable	50	µg/L	U	FMB Surface Water Well
FSP060	9/22/99		5	Lead, total recoverable	50	µg/L	U	Seepine Water Well
FSP061	9/22/99		2.12	Lead, total recoverable	50	µg/L	J	Seepine Water Well
FSP062	9/22/99		1.86	Lead, total recoverable	50	µg/L	J	Seepine Water Well
FSP063	9/22/99		5	Lead, total recoverable	50	µg/L	U	Seepine Water Well
FSP064	9/22/99		3.02	Lead, total recoverable	50	µg/L	J	Seepine Water Well
FSP065	9/22/99		1.79	Lead, total recoverable	50	µg/L	J	Seepine Water Well
FSP066	9/22/99		5	Lead, total recoverable	50	µg/L	U	Seepine Water Well
FSP067	9/22/99		5	Lead, total recoverable	50	µg/L	U	Seepine Water Well
FSP068	9/22/99		1.78	Lead, total recoverable	50	µg/L	J	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP069	9/22/99		5	Lead, total recoverable	50	µg/L	U	Seepine Water Well
FSP070	9/22/99		8	Lead, total recoverable	50	µg/L		Seepine Water Well
FSP071	9/23/99		7.73	Lead, total recoverable	50	µg/L		Seepine Water Well
FSP072	9/23/99		36.9	Lead, total recoverable	50	µg/L		Seepine Water Well
HSP071	9/21/99		3.64	Lead, total recoverable	50	µg/L	J	Seepine Water Well
HSP097	9/23/99	+	114	Lead, total recoverable	50	µg/L		Seepine Water Well
FHB004	9/23/99	+	1090	Lithium, total recoverable	250	µg/L		Seepine Water Well
FHB005	9/23/99		12.7	Lithium, total recoverable	250	µg/L		Seepine Water Well
FHB008	9/23/99		0.444	Lithium, total recoverable	250	µg/L	J	Seepine Water Well
FHB012	5/3/99		0.406	Lithium, total recoverable	250	µg/L	J	Seepine Water Well
FHB012	9/21/99	+	899	Lithium, total recoverable	250	µg/L	J	Seepine Surface Stream Water Well
FHB013	5/3/99		11.9	Lithium, total recoverable	250	µg/L		Seepine Surface Stream Water Well
FHB013	9/21/99		1.86	Lithium, total recoverable	250	µg/L	J	Seepine Water Well
FHB014	5/3/99		2	Lithium, total recoverable	250	µg/L	J	Seepine Water Well
FHB014	9/23/99		0.226	Lithium, total recoverable	250	µg/L	J	Seepine Water Well
FHB016	5/3/99		59.6	Lithium, total recoverable	250	µg/L		Seepine Water Well
FHB016	9/21/99		2.22	Lithium, total recoverable	250	µg/L		Seepine Water Well
FHB017	5/3/99		25.3	Lithium, total recoverable	250	µg/L		Seepine Water Well
FHB017	9/21/99	+	912	Lithium, total recoverable	250	µg/L		Seepine Water Well
FHB018	5/3/99		10	Lithium, total recoverable	250	µg/L	U	Seepine Water Well
FHB018	9/21/99		105	Lithium, total recoverable	250	µg/L		Seepine Water Well
FHB019	5/3/99		10	Lithium, total recoverable	250	µg/L		Seepine Water Well
FHB019	9/23/99		0.422	Lithium, total recoverable	250	µg/L	U	Seepine Water Well
FHB020	5/3/99		66.2	Lithium, total recoverable	250	µg/L	J	Seepine Water Well
FHB020	9/23/99		42.7	Lithium, total recoverable	250	µg/L		Seepine Water Well
FHB022	5/3/99		10	Lithium, total recoverable	250	µg/L		Seepine Water Well
FHB022	9/21/99		0.754	Lithium, total recoverable	250	µg/L	U	Seepine Water Well
FHB024	5/3/99		10.9	Lithium, total recoverable	250	µg/L	JU	Seepine Water Well
FHB024	9/23/99		11.5	Lithium, total recoverable	250	µg/L		Engineered Ditch Surface Stream Water Well
								Engineered Ditch Surface Stream Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB026	9/21/99		0.76	Lithium, total recoverable	250	µg/L	JU	Seepine Surface Stream Water Well
FHB030	9/23/99		11.9	Lithium, total recoverable	250	µg/L		Seepine Water Well
FMC002H	5/3/99		1.93	Lithium, total recoverable	250	µg/L	J	FMB Surface Water Well
FMC002H	9/23/99		2.92	Lithium, total recoverable	250	µg/L		FMB Surface Water Well
FSP060	9/22/99		0.837	Lithium, total recoverable	250	µg/L	J	Seepine Water Well
FSP061	9/22/99		1.19	Lithium, total recoverable	250	µg/L	J	Seepine Water Well
FSP062	9/22/99		1.43	Lithium, total recoverable	250	µg/L	J	Seepine Water Well
FSP063	9/22/99		5.18	Lithium, total recoverable	250	µg/L		Seepine Water Well
FSP064	9/22/99		2.2	Lithium, total recoverable	250	µg/L		Seepine Water Well
FSP065	9/22/99		1.05	Lithium, total recoverable	250	µg/L	J	Seepine Water Well
FSP066	9/22/99		0.803	Lithium, total recoverable	250	µg/L	J	Seepine Water Well
FSP067	9/22/99		0.305	Lithium, total recoverable	250	µg/L	J	Seepine Water Well
FSP068	9/22/99		0.93	Lithium, total recoverable	250	µg/L		Seepine Water Well
FSP069	9/22/99		4.84	Lithium, total recoverable	250	µg/L		Seepine Water Well
FSP070	9/22/99		3.46	Lithium, total recoverable	250	µg/L	J	Seepine Water Well
FSP071	9/23/99		1.75	Lithium, total recoverable	250	µg/L	J	Seepine Water Well
FSP072	9/23/99		1.87	Lithium, total recoverable	250	µg/L	J	Seepine Water Well
HSP071	9/21/99		1.43	Lithium, total recoverable	250	µg/L	J	Seepine Water Well
HSP097	9/23/99		22.1	Lithium, total recoverable	250	µg/L		Seepine Water Well
FHB004	9/23/99		6180	Magnesium, total recoverable		µg/L		Seepine Water Well
FHB005	9/23/99		2900	Magnesium, total recoverable		µg/L		Seepine Water Well
FHB008	9/23/99		713	Magnesium, total recoverable		µg/L		Seepine Water Well
FHB012	5/3/99		751	Magnesium, total recoverable		µg/L		Seepine Surface Stream Water Well
FHB012	9/21/99		807	Magnesium, total recoverable		µg/L		Seepine Surface Stream Water Well
FHB013	5/3/99		2390	Magnesium, total recoverable		µg/L		Seepine Water Well
FHB013	9/21/99		3430	Magnesium, total recoverable		µg/L	J	Seepine Water Well
FHB014	5/3/99		313	Magnesium, total recoverable		µg/L		Seepine Water Well
FHB014	9/23/99		251	Magnesium, total recoverable		µg/L		Seepine Water Well
FHB016	5/3/99		3650	Magnesium, total recoverable		µg/L		Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB016	9/21/99		2660	Magnesium, total recoverable		µg/L		Seepine Water Well
FHB017	5/3/99		2880	Magnesium, total recoverable		µg/L		Seepine Water Well
FHB017	9/21/99		3640	Magnesium, total recoverable		µg/L		Seepine Water Well
FHB018	5/3/99		2030	Magnesium, total recoverable		µg/L		Seepine Water Well
FHB018	9/21/99		3060	Magnesium, total recoverable		µg/L	J	Seepine Water Well
FHB019	5/3/99		1270	Magnesium, total recoverable		µg/L		Seepine Water Well
FHB019	9/23/99		1420	Magnesium, total recoverable		µg/L		Seepine Water Well
FHB020	5/3/99		7600	Magnesium, total recoverable		µg/L		Seepine Water Well
FHB020	9/23/99		6580	Magnesium, total recoverable		µg/L		Seepine Water Well
FHB022	5/3/99		715	Magnesium, total recoverable		µg/L		Seepine Water Well
FHB022	9/21/99		778	Magnesium, total recoverable		µg/L		Seepine Water Well
FHB024	5/3/99		329	Magnesium, total recoverable		µg/L		Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		431	Magnesium, total recoverable		µg/L		Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		683	Magnesium, total recoverable		µg/L		J Seepine Surface Stream Water Well
FHB030	9/23/99		407	Magnesium, total recoverable		µg/L		Seepine Water Well
FMC002H	5/3/99		465	Magnesium, total recoverable		µg/L		FMB Surface Water Well
FMC002H	9/23/99		378	Magnesium, total recoverable		µg/L		FMB Surface Water Well
FSP060	9/22/99		526	Magnesium, total recoverable		µg/L		J Seepine Water Well
FSP061	9/22/99		1110	Magnesium, total recoverable		µg/L		J Seepine Water Well
FSP062	9/22/99		853	Magnesium, total recoverable		µg/L		J Seepine Water Well
FSP063	9/22/99		339	Magnesium, total recoverable		µg/L		J Seepine Water Well
FSP064	9/22/99		715	Magnesium, total recoverable		µg/L		J Seepine Water Well
FSP065	9/22/99		1670	Magnesium, total recoverable		µg/L		J Seepine Water Well
FSP066	9/22/99		959	Magnesium, total recoverable		µg/L		J Seepine Water Well
FSP067	9/22/99		467	Magnesium, total recoverable		µg/L		J Seepine Water Well
FSP068	9/22/99		1350	Magnesium, total recoverable		µg/L		J Seepine Water Well
FSP069	9/22/99		413	Magnesium, total recoverable		µg/L		J Seepine Water Well
FSP070	9/22/99		1690	Magnesium, total recoverable		µg/L		J Seepine Water Well
FSP071	9/23/99		756	Magnesium, total recoverable		µg/L		Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP072	9/23/99		3160	Magnesium, total recoverable		µg/L		Seepine Water Well
HSP071	9/21/99		2190	Magnesium, total recoverable		µg/L	J	Seepine Water Well
HSP097	9/23/99		6570	Magnesium, total recoverable		µg/L		Seepine Water Well
FHB004	9/23/99	+	573	Manganese, total recoverable	50	µg/L		Seepine Water Well
FHB005	9/23/99	+	786	Manganese, total recoverable	50	µg/L		Seepine Water Well
FHB008	9/23/99		22.7	Manganese, total recoverable	50	µg/L	U	Seepine Water Well
FHB012	5/3/99		40.2	Manganese, total recoverable	50	µg/L		Seepine Surface Stream Water Well
FHB012	9/21/99	+	50.1	Manganese, total recoverable	50	µg/L		Seepine Surface Stream Water Well
FHB013	5/3/99	+	147	Manganese, total recoverable	50	µg/L		Seepine Water Well
FHB013	9/21/99	+	309	Manganese, total recoverable	50	µg/L		Seepine Water Well
FHB014	5/3/99		11.2	Manganese, total recoverable	50	µg/L		Seepine Water Well
FHB014	9/23/99		8.19	Manganese, total recoverable	50	µg/L	JU	Seepine Water Well
FHB016	5/3/99	+	941	Manganese, total recoverable	50	µg/L		Seepine Water Well
FHB016	9/21/99	+	1360	Manganese, total recoverable	50	µg/L		Seepine Water Well
FHB017	5/3/99	+	178	Manganese, total recoverable	50	µg/L		Seepine Water Well
FHB017	9/21/99	+	1230	Manganese, total recoverable	50	µg/L		Seepine Water Well
FHB018	5/3/99	+	1280	Manganese, total recoverable	50	µg/L		Seepine Water Well
FHB018	9/21/99	+	303	Manganese, total recoverable	50	µg/L		Seepine Water Well
FHB019	5/3/99	+	92.3	Manganese, total recoverable	50	µg/L		Seepine Water Well
FHB019	9/23/99	+	70.2	Manganese, total recoverable	50	µg/L		Seepine Water Well
FHB020	5/3/99	+	1180	Manganese, total recoverable	50	µg/L		Seepine Water Well
FHB020	9/23/99	+	659	Manganese, total recoverable	50	µg/L		Seepine Water Well
FHB022	5/3/99		35.2	Manganese, total recoverable	50	µg/L		Seepine Water Well
FHB022	9/21/99		40.1	Manganese, total recoverable	50	µg/L		Seepine Water Well
FHB024	5/3/99		8.07	Manganese, total recoverable	50	µg/L		Seepine Water Well
FHB024	9/23/99		10.3	Manganese, total recoverable	50	µg/L	J	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		42.2	Manganese, total recoverable	50	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB030	9/23/99		7.29	Manganese, total recoverable	50	µg/L		Seepine Surface Stream Water Well
FMC002H	5/3/99		47	Manganese, total recoverable	50	µg/L	JU	Seepine Water Well
								FMB Surface Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FMC002H	9/23/99	+	161	Manganese, total recoverable	50	µg/L		FMB Surface Water Well
FSP060	9/22/99		40	Manganese, total recoverable	50	µg/L		Seepine Water Well
FSP061	9/22/99	+	569	Manganese, total recoverable	50	µg/L		Seepine Water Well
FSP062	9/22/99	+	289	Manganese, total recoverable	50	µg/L		Seepine Water Well
FSP063	9/22/99	+	55.1	Manganese, total recoverable	50	µg/L		Seepine Water Well
FSP064	9/22/99	+	174	Manganese, total recoverable	50	µg/L		Seepine Water Well
FSP065	9/22/99	+	1290	Manganese, total recoverable	50	µg/L		Seepine Water Well
FSP066	9/22/99	+	145	Manganese, total recoverable	50	µg/L		Seepine Water Well
FSP067	9/22/99	+	109	Manganese, total recoverable	50	µg/L		Seepine Water Well
FSP068	9/22/99	+	170	Manganese, total recoverable	50	µg/L		Seepine Water Well
FSP069	9/22/99	+	488	Manganese, total recoverable	50	µg/L		Seepine Water Well
FSP070	9/22/99	+	256	Manganese, total recoverable	50	µg/L		Seepine Water Well
FSP071	9/23/99	+	54.8	Manganese, total recoverable	50	µg/L		Seepine Water Well
FSP072	9/23/99	+	674	Manganese, total recoverable	50	µg/L		Seepine Water Well
HSP071	9/21/99	+	124	Manganese, total recoverable	50	µg/L		Seepine Water Well
HSP097	9/23/99	+	4980	Manganese, total recoverable	50	µg/L		Seepine Water Well
FHB004	9/23/99		0.2	Mercury, total recoverable	2	µg/L		U Seepine Water Well
FHB005	9/23/99		0.2	Mercury, total recoverable	2	µg/L		U Seepine Water Well
FHB008	9/23/99		0.2	Mercury, total recoverable	2	µg/L		U Seepine Water Well
FHB012	5/3/99	+	2.46	Mercury, total recoverable	2	µg/L		Seepine Surface Stream Water Well
FHB012	9/21/99		0.123	Mercury, total recoverable	2	µg/L		J Seepine Surface Stream Water Well
FHB013	5/3/99		0.378	Mercury, total recoverable	2	µg/L		Seepine Water Well
FHB013	9/21/99		0.2	Mercury, total recoverable	2	µg/L		U Seepine Water Well
FHB014	5/3/99		1.94	Mercury, total recoverable	2	µg/L		U Seepine Water Well
FHB014	9/23/99		0.2	Mercury, total recoverable	2	µg/L		U Seepine Water Well
FHB016	5/3/99		0.602	Mercury, total recoverable	2	µg/L		Seepine Water Well
FHB016	9/21/99		0.2	Mercury, total recoverable	2	µg/L		U Seepine Water Well
FHB017	5/3/99		0.2	Mercury, total recoverable	2	µg/L		U Seepine Water Well
FHB017	9/21/99		1.96	Mercury, total recoverable	2	µg/L		Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB018	5/3/99		0.868	Mercury, total recoverable	2	µg/L		Seepine Water Well
FHB018	9/21/99 +		6.69	Mercury, total recoverable	2	µg/L		Seepine Water Well
FHB019	5/3/99		0.2	Mercury, total recoverable	2	µg/L		U Seepine Water Well
FHB019	9/23/99		0.2	Mercury, total recoverable	2	µg/L		U Seepine Water Well
FHB020	5/3/99 +		8	Mercury, total recoverable	2	µg/L		Seepine Water Well
FHB020	9/23/99		0.2	Mercury, total recoverable	2	µg/L		U Seepine Water Well
FHB022	5/3/99		0.427	Mercury, total recoverable	2	µg/L		Seepine Water Well
FHB022	9/21/99		0.0455	Mercury, total recoverable	2	µg/L		J Seepine Water Well
FHB024	5/3/99		0.2	Mercury, total recoverable	2	µg/L		U Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		0.2	Mercury, total recoverable	2	µg/L		U Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		0.0731	Mercury, total recoverable	2	µg/L		J Seepine Surface Stream Water Well
FHB030	9/23/99		0.2	Mercury, total recoverable	2	µg/L		U Seepine Water Well
FMC002H	5/3/99		0.2	Mercury, total recoverable	2	µg/L		U FMB Surface Water Well
FMC002H	9/23/99		0.2	Mercury, total recoverable	2	µg/L		U FMB Surface Water Well
FSP060	9/22/99		0.2	Mercury, total recoverable	2	µg/L		U Seepine Water Well
FSP061	9/22/99		0.2	Mercury, total recoverable	2	µg/L		U Seepine Water Well
FSP062	9/22/99		0.2	Mercury, total recoverable	2	µg/L		U Seepine Water Well
FSP063	9/22/99		0.2	Mercury, total recoverable	2	µg/L		U Seepine Water Well
FSP064	9/22/99		0.2	Mercury, total recoverable	2	µg/L		U Seepine Water Well
FSP065	9/22/99		0.2	Mercury, total recoverable	2	µg/L		U Seepine Water Well
FSP066	9/22/99		0.2	Mercury, total recoverable	2	µg/L		U Seepine Water Well
FSP067	9/22/99		0.2	Mercury, total recoverable	2	µg/L		U Seepine Water Well
FSP068	9/22/99		0.2	Mercury, total recoverable	2	µg/L		U Seepine Water Well
FSP069	9/22/99		0.2	Mercury, total recoverable	2	µg/L		U Seepine Water Well
FSP070	9/22/99		0.0625	Mercury, total recoverable	2	µg/L		U Seepine Water Well
FSP071	9/23/99		0.2	Mercury, total recoverable	2	µg/L		J Seepine Water Well
FSP072	9/23/99		0.205	Mercury, total recoverable	2	µg/L		U Seepine Water Well
HSP071	9/21/99		0.0375	Mercury, total recoverable	2	µg/L		Seepine Water Well
HSP097	9/23/99 +		4.07	Mercury, total recoverable	2	µg/L		J Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB004	9/23/99		Methacrylonitrile	833	µg/L	U	Seepine Water Well
FHB005	9/23/99		Methacrylonitrile	833	µg/L	U	Seepine Water Well
FHB008	9/23/99		Methacrylonitrile	833	µg/L	U	Seepine Water Well
FHB012	5/3/99		Methacrylonitrile	833	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		Methacrylonitrile	833	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		Methacrylonitrile	833	µg/L	U	Seepine Water Well
FHB013	9/21/99		Methacrylonitrile	833	µg/L	U	Seepine Water Well
FHB014	5/3/99		Methacrylonitrile	833	µg/L	U	Seepine Water Well
FHB014	9/23/99		Methacrylonitrile	833	µg/L	JU	Seepine Water Well
FHB016	5/3/99		Methacrylonitrile	833	µg/L	U	Seepine Water Well
FHB016	9/21/99		Methacrylonitrile	833	µg/L	U	Seepine Water Well
FHB017	5/3/99		Methacrylonitrile	833	µg/L	U	Seepine Water Well
FHB017	9/21/99		Methacrylonitrile	833	µg/L	U	Seepine Water Well
FHB018	5/3/99		Methacrylonitrile	833	µg/L	U	Seepine Water Well
FHB018	9/21/99		Methacrylonitrile	833	µg/L	U	Seepine Water Well
FHB019	5/3/99		Methacrylonitrile	833	µg/L	U	Seepine Water Well
FHB019	9/23/99		Methacrylonitrile	833	µg/L	U	Seepine Water Well
FHB020	5/3/99		Methacrylonitrile	833	µg/L	U	Seepine Water Well
FHB020	9/23/99		Methacrylonitrile	833	µg/L	U	Seepine Water Well
FHB022	5/3/99		Methacrylonitrile	833	µg/L	U	Seepine Water Well
FHB022	9/21/99		Methacrylonitrile	833	µg/L	U	Seepine Water Well
FHB024	5/3/99		Methacrylonitrile	833	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		Methacrylonitrile	833	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		Methacrylonitrile	833	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		Methacrylonitrile	833	µg/L	U	Seepine Water Well
FMC002H	5/3/99		Methacrylonitrile	833	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		Methacrylonitrile	833	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		Methacrylonitrile	833	µg/L	U	Seepine Water Well
FSP061	9/22/99		Methacrylonitrile	833	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP062	9/22/99		5	Methacrylonitrile	833	µg/L	U	Seepline Water Well
FSP063	9/22/99		5	Methacrylonitrile	833	µg/L	U	Seepline Water Well
FSP064	9/22/99		5	Methacrylonitrile	833	µg/L	U	Seepline Water Well
FSP065	9/22/99		5	Methacrylonitrile	833	µg/L	U	Seepline Water Well
FSP066	9/22/99		5	Methacrylonitrile	833	µg/L	U	Seepline Water Well
FSP067	9/22/99		5	Methacrylonitrile	833	µg/L	U	Seepline Water Well
FSP068	9/22/99		5	Methacrylonitrile	833	µg/L	U	Seepline Water Well
FSP069	9/22/99		5	Methacrylonitrile	833	µg/L	U	Seepline Water Well
FSP070	9/22/99		5	Methacrylonitrile	833	µg/L	U	Seepline Water Well
FSP071	9/23/99		5	Methacrylonitrile	833	µg/L	U	Seepline Water Well
FSP072	9/23/99		5	Methacrylonitrile	833	µg/L	U	Seepline Water Well
HSP071	9/21/99		5	Methacrylonitrile	833	µg/L	U	Seepline Water Well
HSP097	9/23/99		5	Methacrylonitrile	833	µg/L	U	Seepline Water Well
FHB004	9/23/99		10	Methyl ethyl ketone		µg/L	U	Seepline Water Well
FHB005	9/23/99		10	Methyl ethyl ketone		µg/L	U	Seepline Water Well
FHB008	9/23/99		10	Methyl ethyl ketone		µg/L	U	Seepline Water Well
FHB012	5/3/99		10	Methyl ethyl ketone		µg/L	U	Seepline Surface Stream Water Well
FHB012	9/21/99		10	Methyl ethyl ketone		µg/L	U	Seepline Surface Stream Water Well
FHB013	5/3/99		10	Methyl ethyl ketone		µg/L	U	Seepline Water Well
FHB013	9/21/99		10	Methyl ethyl ketone		µg/L	U	Seepline Water Well
FHB014	5/3/99		10	Methyl ethyl ketone		µg/L	U	Seepline Water Well
FHB014	9/23/99		10	Methyl ethyl ketone		µg/L	U	Seepline Water Well
FHB016	5/3/99		10	Methyl ethyl ketone		µg/L	U	Seepline Water Well
FHB016	9/21/99		10	Methyl ethyl ketone		µg/L	U	Seepline Water Well
FHB017	5/3/99		10	Methyl ethyl ketone		µg/L	U	Seepline Water Well
FHB017	9/21/99		10	Methyl ethyl ketone		µg/L	U	Seepline Water Well
FHB018	5/3/99		10	Methyl ethyl ketone		µg/L	U	Seepline Water Well
FHB018	9/21/99		10	Methyl ethyl ketone		µg/L	U	Seepline Water Well
FHB019	5/3/99		10	Methyl ethyl ketone		µg/L	U	Seepline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB019	9/23/99		10	Methyl ethyl ketone		µg/L	U	Seepine Water Well
FHB020	5/3/99		10	Methyl ethyl ketone		µg/L	U	Seepine Water Well
FHB020	9/23/99		10	Methyl ethyl ketone		µg/L	U	Seepine Water Well
FHB022	5/3/99		10	Methyl ethyl ketone		µg/L	U	Seepine Water Well
FHB022	9/21/99		10	Methyl ethyl ketone		µg/L	U	Seepine Water Well
FHB024	5/3/99		10	Methyl ethyl ketone		µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		10	Methyl ethyl ketone		µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		10	Methyl ethyl ketone		µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		10	Methyl ethyl ketone		µg/L	U	Seepine Water Well
FMC002H	5/3/99		10	Methyl ethyl ketone		µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		10	Methyl ethyl ketone		µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		10	Methyl ethyl ketone		µg/L	U	Seepine Water Well
FSP061	9/22/99		10	Methyl ethyl ketone		µg/L	U	Seepine Water Well
FSP062	9/22/99		10	Methyl ethyl ketone		µg/L	U	Seepine Water Well
FSP063	9/22/99		10	Methyl ethyl ketone		µg/L	U	Seepine Water Well
FSP064	9/22/99		10	Methyl ethyl ketone		µg/L	U	Seepine Water Well
FSP065	9/22/99		10	Methyl ethyl ketone		µg/L	U	Seepine Water Well
FSP066	9/22/99		10	Methyl ethyl ketone		µg/L	U	Seepine Water Well
FSP067	9/22/99		10	Methyl ethyl ketone		µg/L	U	Seepine Water Well
FSP068	9/22/99		10	Methyl ethyl ketone		µg/L	U	Seepine Water Well
FSP069	9/22/99		10	Methyl ethyl ketone		µg/L	U	Seepine Water Well
FSP070	9/22/99		10	Methyl ethyl ketone		µg/L	U	Seepine Water Well
FSP071	9/23/99		10	Methyl ethyl ketone		µg/L	U	Seepine Water Well
FSP072	9/23/99		10	Methyl ethyl ketone		µg/L	U	Seepine Water Well
HSP071	9/21/99		10	Methyl ethyl ketone		µg/L	U	Seepine Water Well
HSP097	9/23/99		10	Methyl ethyl ketone		µg/L	U	Seepine Water Well
FHB004	9/23/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FHB005	9/23/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FHB008	9/23/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB012	5/3/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FHB013	9/21/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FHB014	5/3/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FHB014	9/23/99		5	Methyl isobutyl ketone		µg/L	JU	Seepine Water Well
FHB016	5/3/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FHB016	9/21/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FHB017	5/3/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FHB017	9/21/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FHB018	5/3/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FHB018	9/21/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FHB019	5/3/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FHB019	9/23/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FHB020	5/3/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FHB020	9/23/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FHB022	5/3/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FHB022	9/21/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FHB024	5/3/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FHB024	9/23/99		5	Methyl isobutyl ketone		µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		5	Methyl isobutyl ketone		µg/L	U	Engineered Ditch Surface Stream Water Well
FHB030	9/23/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Surface Stream Water Well
FMC002H	5/3/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FMC002H	9/23/99		5	Methyl isobutyl ketone		µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		5	Methyl isobutyl ketone		µg/L	U	FMB Surface Water Well
FSP061	9/22/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FSP062	9/22/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FSP063	9/22/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FSP064	9/22/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP065	9/22/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FSP066	9/22/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FSP067	9/22/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FSP068	9/22/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FSP069	9/22/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FSP070	9/22/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FSP071	9/23/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FSP072	9/23/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
HSP071	9/21/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
HSP097	9/23/99		5	Methyl isobutyl ketone		µg/L	U	Seepine Water Well
FHB004	9/23/99		5	Methyl methacrylate	100	µg/L	U	Seepine Water Well
FHB005	9/23/99		5	Methyl methacrylate	100	µg/L	U	Seepine Water Well
FHB008	9/23/99		5	Methyl methacrylate	100	µg/L	U	Seepine Water Well
FHB012	5/3/99		5	Methyl methacrylate	100	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		5	Methyl methacrylate	100	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		5	Methyl methacrylate	100	µg/L	U	Seepine Water Well
FHB013	9/21/99		5	Methyl methacrylate	100	µg/L	U	Seepine Water Well
FHB014	5/3/99		5	Methyl methacrylate	100	µg/L	U	Seepine Water Well
FHB014	9/23/99		5	Methyl methacrylate	100	µg/L	JU	Seepine Water Well
FHB016	5/3/99		5	Methyl methacrylate	100	µg/L	U	Seepine Water Well
FHB016	9/21/99		5	Methyl methacrylate	100	µg/L	U	Seepine Water Well
FHB017	5/3/99		5	Methyl methacrylate	100	µg/L	U	Seepine Water Well
FHB017	9/21/99		5	Methyl methacrylate	100	µg/L	U	Seepine Water Well
FHB018	5/3/99		5	Methyl methacrylate	100	µg/L	U	Seepine Water Well
FHB018	9/21/99		5	Methyl methacrylate	100	µg/L	U	Seepine Water Well
FHB019	5/3/99		5	Methyl methacrylate	100	µg/L	U	Seepine Water Well
FHB019	9/23/99		5	Methyl methacrylate	100	µg/L	U	Seepine Water Well
FHB020	5/3/99		5	Methyl methacrylate	100	µg/L	U	Seepine Water Well
FHB020	9/23/99		5	Methyl methacrylate	100	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB022	5/3/99		5	Methyl methacrylate	100	µg/L	U	Seepline Water Well
FHB022	9/21/99		5	Methyl methacrylate	100	µg/L	U	Seepline Water Well
FHB024	5/3/99		5	Methyl methacrylate	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		5	Methyl methacrylate	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		5	Methyl methacrylate	100	µg/L	U	Seepline Surface Stream Water Well
FHB030	9/23/99		5	Methyl methacrylate	100	µg/L	U	Seepline Water Well
FMC002H	5/3/99		5	Methyl methacrylate	100	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		5	Methyl methacrylate	100	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		5	Methyl methacrylate	100	µg/L	U	Seepline Water Well
FSP061	9/22/99		5	Methyl methacrylate	100	µg/L	U	Seepline Water Well
FSP062	9/22/99		5	Methyl methacrylate	100	µg/L	U	Seepline Water Well
FSP063	9/22/99		5	Methyl methacrylate	100	µg/L	U	Seepline Water Well
FSP064	9/22/99		5	Methyl methacrylate	100	µg/L	U	Seepline Water Well
FSP065	9/22/99		5	Methyl methacrylate	100	µg/L	U	Seepline Water Well
FSP066	9/22/99		5	Methyl methacrylate	100	µg/L	U	Seepline Water Well
FSP067	9/22/99		5	Methyl methacrylate	100	µg/L	U	Seepline Water Well
FSP068	9/22/99		5	Methyl methacrylate	100	µg/L	U	Seepline Water Well
FSP069	9/22/99		5	Methyl methacrylate	100	µg/L	U	Seepline Water Well
FSP070	9/22/99		5	Methyl methacrylate	100	µg/L	U	Seepline Water Well
FSP071	9/23/99		5	Methyl methacrylate	100	µg/L	U	Seepline Water Well
FSP072	9/23/99		5	Methyl methacrylate	100	µg/L	U	Seepline Water Well
HSP071	9/21/99		5	Methyl methacrylate	100	µg/L	U	Seepline Water Well
HSP097	9/23/99		5	Methyl methacrylate	100	µg/L	U	Seepline Water Well
FHB004	9/23/99 +		525	Nickel, total recoverable	100	µg/L		Seepline Water Well
FHB005	9/23/99		20.8	Nickel, total recoverable	100	µg/L		Seepline Water Well
FHB008	9/23/99		8.53	Nickel, total recoverable	100	µg/L		Seepline Water Well
FHB012	5/3/99		5	Nickel, total recoverable	100	µg/L	U	Seepline Surface Stream Water Well
FHB012	9/21/99		5	Nickel, total recoverable	100	µg/L	U	Seepline Surface Stream Water Well
FHB013	5/3/99		14.4	Nickel, total recoverable	100	µg/L		Seepline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB013	9/21/99		3.59	Nickel, total recoverable	100	µg/L	JU Seepine Water Well	
FHB014	5/3/99		5	Nickel, total recoverable	100	µg/L	U Seepine Water Well	
FHB014	9/23/99		5	Nickel, total recoverable	100	µg/L	U Seepine Water Well	
FHB016	5/3/99		48.8	Nickel, total recoverable	100	µg/L	Seepine Water Well	
FHB016	9/21/99 +		1040	Nickel, total recoverable	100	µg/L	Seepine Water Well	
FHB017	5/3/99		20.7	Nickel, total recoverable	100	µg/L	Seepine Water Well	
FHB017	9/21/99 +		1130	Nickel, total recoverable	100	µg/L	Seepine Water Well	
FHB018	5/3/99 +		999	Nickel, total recoverable	100	µg/L	Seepine Water Well	
FHB018	9/21/99		33.5	Nickel, total recoverable	100	µg/L	Seepine Water Well	
FHB019	5/3/99		1.46	Nickel, total recoverable	100	µg/L	J Seepine Water Well	
FHB019	9/23/99		5	Nickel, total recoverable	100	µg/L	U Seepine Water Well	
FHB020	5/3/99		89.7	Nickel, total recoverable	100	µg/L	Seepine Water Well	
FHB020	9/23/99		81.3	Nickel, total recoverable	100	µg/L	Seepine Water Well	
FHB022	5/3/99		5	Nickel, total recoverable	100	µg/L	U Seepine Water Well	
FHB022	9/21/99		1.35	Nickel, total recoverable	100	µg/L	JU Seepine Water Well	
FHB024	5/3/99		4.7	Nickel, total recoverable	100	µg/L	J Engineered Ditch Surface Stream Water Well	
FHB024	9/23/99		8.18	Nickel, total recoverable	100	µg/L	Engineered Ditch Surface Stream Water Well	
FHB026	9/21/99		3.52	Nickel, total recoverable	100	µg/L	JU Seepine Surface Stream Water Well	
FHB030	9/23/99		6.1	Nickel, total recoverable	100	µg/L	U Seepine Water Well	
FMC002H	5/3/99		5	Nickel, total recoverable	100	µg/L	U FMB Surface Water Well	
FMC002H	9/23/99		3.87	Nickel, total recoverable	100	µg/L	JU FMB Surface Water Well	
FSP060	9/22/99		1.96	Nickel, total recoverable	100	µg/L	JU Seepine Water Well	
FSP061	9/22/99		5.39	Nickel, total recoverable	100	µg/L	U Seepine Water Well	
FSP062	9/22/99		4.77	Nickel, total recoverable	100	µg/L	JU Seepine Water Well	
FSP063	9/22/99		3.18	Nickel, total recoverable	100	µg/L	JU Seepine Water Well	
FSP064	9/22/99		4.6	Nickel, total recoverable	100	µg/L	JU Seepine Water Well	
FSP065	9/22/99		3.63	Nickel, total recoverable	100	µg/L	JU Seepine Water Well	
FSP066	9/22/99		5	Nickel, total recoverable	100	µg/L	U Seepine Water Well	
FSP067	9/22/99		5	Nickel, total recoverable	100	µg/L	U Seepine Water Well	

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP068	9/22/99		1.62	Nickel, total recoverable	100	µg/L	JU	Seepine Water Well
FSP069	9/22/99		7.94	Nickel, total recoverable	100	µg/L	U	Seepine Water Well
FSP070	9/22/99		7.8	Nickel, total recoverable	100	µg/L	U	Seepine Water Well
FSP071	9/23/99		3	Nickel, total recoverable	100	µg/L	JU	Seepine Water Well
FSP072	9/23/99		9.81	Nickel, total recoverable	100	µg/L		Seepine Water Well
HSP071	9/21/99		3.82	Nickel, total recoverable	100	µg/L	JU	Seepine Water Well
HSP097	9/23/99		69.5	Nickel, total recoverable	100	µg/L		Seepine Water Well
FHB004	9/23/99		50	Nitrate as nitrogen	10000	µg/L	U	Seepine Water Well
FHB005	9/23/99		4690	Nitrate as nitrogen	10000	µg/L	J	Seepine Water Well
FHB008	9/23/99		816	Nitrate as nitrogen	10000	µg/L		Seepine Water Well
FHB012	5/3/99		5320	Nitrate as nitrogen	10000	µg/L	J	Seepine Surface Stream Water Well
FHB012	9/21/99		682	Nitrate as nitrogen	10000	µg/L	J	Seepine Surface Stream Water Well
FHB013	5/3/99		50	Nitrate as nitrogen	10000	µg/L	JU	Seepine Water Well
FHB013	9/21/99		50	Nitrate as nitrogen	10000	µg/L	JU	Seepine Water Well
FHB014	5/3/99		543	Nitrate as nitrogen	10000	µg/L		Seepine Water Well
FHB014	9/23/99		135	Nitrate as nitrogen	10000	µg/L		Seepine Water Well
FHB016	5/3/99		67	Nitrate as nitrogen	10000	µg/L		Seepine Water Well
FHB016	9/21/99		57	Nitrate as nitrogen	10000	µg/L	J	Seepine Water Well
FHB017	5/3/99		35	Nitrate as nitrogen	10000	µg/L	J	Seepine Water Well
FHB017	9/21/99		205	Nitrate as nitrogen	10000	µg/L	J	Seepine Water Well
FHB018	5/3/99		303	Nitrate as nitrogen	10000	µg/L	J	Seepine Water Well
FHB018	9/21/99		4840	Nitrate as nitrogen	10000	µg/L	J	Seepine Water Well
FHB019	5/3/99		29	Nitrate as nitrogen	10000	µg/L	J	Seepine Water Well
FHB019	9/23/99		115	Nitrate as nitrogen	10000	µg/L		Seepine Water Well
FHB020	5/3/99		4780	Nitrate as nitrogen	10000	µg/L		Seepine Water Well
FHB022	5/3/99		806	Nitrate as nitrogen	10000	µg/L	J	Seepine Water Well
FHB022	9/21/99		672	Nitrate as nitrogen	10000	µg/L	J	Seepine Water Well
FHB024	5/3/99		34	Nitrate as nitrogen	10000	µg/L	J	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		50	Nitrate as nitrogen	10000	µg/L	U	Engineered Ditch Surface Stream Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB026	9/21/99		586	Nitrate as nitrogen	10000	µg/L	J	Seepine Surface Stream Water Well
FHB030	9/23/99		22	Nitrate as nitrogen	10000	µg/L	J	Seepine Water Well
FMC002H	5/3/99		61	Nitrate as nitrogen	10000	µg/L		FMB Surface Water Well
FMC002H	9/23/99		4660	Nitrate as nitrogen	10000	µg/L		FMB Surface Water Well
FSP060	9/22/99		269	Nitrate as nitrogen	10000	µg/L		Seepine Water Well
FSP061	9/22/99		4670	Nitrate as nitrogen	10000	µg/L	J	Seepine Water Well
FSP062	9/22/99		16	Nitrate as nitrogen	10000	µg/L	J	Seepine Water Well
FSP063	9/22/99		28	Nitrate as nitrogen	10000	µg/L	J	Seepine Water Well
FSP064	9/22/99		50	Nitrate as nitrogen	10000	µg/L	U	Seepine Water Well
FSP065	9/22/99		18	Nitrate as nitrogen	10000	µg/L	J	Seepine Water Well
FSP066	9/22/99		374	Nitrate as nitrogen	10000	µg/L		Seepine Water Well
FSP067	9/22/99		50	Nitrate as nitrogen	10000	µg/L	U	Seepine Water Well
FSP068	9/22/99		23	Nitrate as nitrogen	10000	µg/L	J	Seepine Water Well
FSP069	9/22/99		4600	Nitrate as nitrogen	10000	µg/L	J	Seepine Water Well
FSP070	9/22/99		131	Nitrate as nitrogen	10000	µg/L		Seepine Water Well
FSP071	9/23/99		285	Nitrate as nitrogen	10000	µg/L		Seepine Water Well
FSP072	9/23/99		267	Nitrate as nitrogen	10000	µg/L		Seepine Water Well
HSP071	9/21/99		7340	Nitrate as nitrogen	10000	µg/L	J	Seepine Water Well
HSP097	9/23/99		9470	Nitrate as nitrogen	10000	µg/L		Seepine Water Well
FHB004	9/23/99		48.5	Nonvolatile beta	50	pCi/L		Seepine Water Well
FHB008	9/23/99		7.96	Nonvolatile beta	50	pCi/L		Seepine Water Well
FHB012	5/3/99		2.51	Nonvolatile beta	50	pCi/L	J	Seepine Surface Stream Water Well
FHB012	9/21/99		2.4	Nonvolatile beta	50	pCi/L	J	Seepine Surface Stream Water Well
FHB013	5/3/99		14.7	Nonvolatile beta	50	pCi/L		Seepine Water Well
FHB013	9/21/99		4.11	Nonvolatile beta	50	pCi/L	J	Seepine Water Well
FHB014	5/3/99		2.6	Nonvolatile beta	50	pCi/L	J	Seepine Water Well
FHB014	9/23/99		2.58	Nonvolatile beta	50	pCi/L	J	Seepine Water Well
FHB016	9/21/99		6.14	Nonvolatile beta	50	pCi/L		Seepine Water Well
FHB017	5/3/99		2.73	Nonvolatile beta	50	pCi/L		Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB017	9/21/99		0.583	Nonvolatile beta	50	pCi/L	U	Seepine Water Well
FHB018	5/3/99		8.1	Nonvolatile beta	50	pCi/L		Seepine Water Well
FHB018	9/21/99		28.7	Nonvolatile beta	50	pCi/L		Seepine Water Well
FHB019	5/3/99		5.47	Nonvolatile beta	50	pCi/L		Seepine Water Well
FHB019	9/23/99		26.5	Nonvolatile beta	50	pCi/L		Seepine Water Well
FHB020	5/3/99		7.36	Nonvolatile beta	50	pCi/L		Seepine Water Well
FHB022	5/3/99		1.36	Nonvolatile beta	50	pCi/L		Seepine Water Well
FHB022	9/21/99		2.18	Nonvolatile beta	50	pCi/L		Seepine Water Well
FHB024	5/3/99		8.51	Nonvolatile beta	50	pCi/L		Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		5.19	Nonvolatile beta	50	pCi/L		Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		0.176	Nonvolatile beta	50	pCi/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		4.85	Nonvolatile beta	50	pCi/L		Seepine Water Well
FMC002H	5/3/99		14.6	Nonvolatile beta	50	pCi/L		FMB Surface Water Well
FMC002H	9/23/99		13	Nonvolatile beta	50	pCi/L		FMB Surface Water Well
FSP060	9/22/99		0.71	Nonvolatile beta	50	pCi/L	U	Seepine Water Well
FSP061	9/22/99		2.61	Nonvolatile beta	50	pCi/L	J	Seepine Water Well
FSP062	9/22/99		6.16	Nonvolatile beta	50	pCi/L		Seepine Water Well
FSP063	9/22/99		5.89	Nonvolatile beta	50	pCi/L		Seepine Water Well
FSP064	9/22/99 +		87.7	Nonvolatile beta	50	pCi/L		Seepine Water Well
FSP065	9/22/99		3.41	Nonvolatile beta	50	pCi/L		Seepine Water Well
FSP066	9/22/99 +		90.2	Nonvolatile beta	50	pCi/L		Seepine Water Well
FSP067	9/22/99		-0.186	Nonvolatile beta	50	pCi/L	U	Seepine Water Well
FSP068	9/22/99		1.72	Nonvolatile beta	50	pCi/L	J	Seepine Water Well
FSP069	9/22/99		10.5	Nonvolatile beta	50	pCi/L		Seepine Water Well
FSP070	9/22/99		17.7	Nonvolatile beta	50	pCi/L		Seepine Water Well
FSP071	9/23/99		5.14	Nonvolatile beta	50	pCi/L		Seepine Water Well
FSP072	9/23/99		7.4	Nonvolatile beta	50	pCi/L	J	Seepine Water Well
HSP071	9/21/99 +		118	Nonvolatile beta	50	pCi/L		Seepine Water Well
HSP097	9/23/99 +		1140	Nonvolatile beta	50	pCi/L		Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB004	9/23/99		43.5	p-Bromofluorobenzene		µg/L		Seepine Water Well
FHB005	9/23/99		43.2	p-Bromofluorobenzene		µg/L		Seepine Water Well
FHB008	9/23/99		47.9	p-Bromofluorobenzene		µg/L		Seepine Water Well
FHB012	5/3/99		47.5	p-Bromofluorobenzene		µg/L		Seepine Surface Stream Water Well
FHB012	9/21/99		44.9	p-Bromofluorobenzene		µg/L		Seepine Surface Stream Water Well
FHB013	5/3/99		46.5	p-Bromofluorobenzene		µg/L		Seepine Water Well
FHB013	9/21/99		45.4	p-Bromofluorobenzene		µg/L		Seepine Water Well
FHB014	5/3/99		51.6	p-Bromofluorobenzene		µg/L		Seepine Water Well
FHB014	9/23/99		41	p-Bromofluorobenzene		µg/L		Seepine Water Well
FHB016	5/3/99		50.5	p-Bromofluorobenzene		µg/L		Seepine Water Well
FHB016	9/21/99		46.9	p-Bromofluorobenzene		µg/L		Seepine Water Well
FHB017	5/3/99		48.5	p-Bromofluorobenzene		µg/L		Seepine Water Well
FHB017	9/21/99		45.4	p-Bromofluorobenzene		µg/L		Seepine Water Well
FHB018	5/3/99		47.6	p-Bromofluorobenzene		µg/L		Seepine Water Well
FHB018	9/21/99		44.7	p-Bromofluorobenzene		µg/L		Seepine Water Well
FHB019	5/3/99		46.4	p-Bromofluorobenzene		µg/L		Seepine Water Well
FHB019	9/23/99		43.6	p-Bromofluorobenzene		µg/L		Seepine Water Well
FHB020	5/3/99		48.9	p-Bromofluorobenzene		µg/L		Seepine Water Well
FHB020	9/23/99		44.1	p-Bromofluorobenzene		µg/L		Seepine Water Well
FHB022	5/3/99		48.3	p-Bromofluorobenzene		µg/L		Seepine Water Well
FHB022	9/21/99		45.1	p-Bromofluorobenzene		µg/L		Seepine Water Well
FHB024	5/3/99		50.6	p-Bromofluorobenzene		µg/L		Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		44.3	p-Bromofluorobenzene		µg/L		Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		45.7	p-Bromofluorobenzene		µg/L		Seepine Surface Stream Water Well
FHB030	9/23/99		47.2	p-Bromofluorobenzene		µg/L		Seepine Water Well
FMC002H	5/3/99		50.9	p-Bromofluorobenzene		µg/L		FMB Surface Water Well
FMC002H	9/23/99		52.7	p-Bromofluorobenzene		µg/L		FMB Surface Water Well
FSP060	9/22/99		45.3	p-Bromofluorobenzene		µg/L		Seepine Water Well
FSP061	9/22/99		44.8	p-Bromofluorobenzene		µg/L		Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP062	9/22/99		44.7	p-Bromofluorobenzene		µg/L		Seepine Water Well
FSP063	9/22/99		45.3	p-Bromofluorobenzene		µg/L		Seepine Water Well
FSP064	9/22/99		45.2	p-Bromofluorobenzene		µg/L		Seepine Water Well
FSP065	9/22/99		48.5	p-Bromofluorobenzene		µg/L		Seepine Water Well
FSP066	9/22/99		44.9	p-Bromofluorobenzene		µg/L		Seepine Water Well
FSP067	9/22/99		46.7	p-Bromofluorobenzene		µg/L		Seepine Water Well
FSP068	9/22/99		45.5	p-Bromofluorobenzene		µg/L		Seepine Water Well
FSP069	9/22/99		45.5	p-Bromofluorobenzene		µg/L		Seepine Water Well
FSP070	9/22/99		46.2	p-Bromofluorobenzene		µg/L		Seepine Water Well
FSP071	9/23/99		46.7	p-Bromofluorobenzene		µg/L		Seepine Water Well
FSP072	9/23/99		44.7	p-Bromofluorobenzene		µg/L		Seepine Water Well
HSP071	9/21/99		45.5	p-Bromofluorobenzene		µg/L		Seepine Water Well
HSP097	9/23/99		43.9	p-Bromofluorobenzene		µg/L		Seepine Water Well
FHB004	9/23/99		5	Pentachloroethane	162	µg/L		U Seepine Water Well
FHB005	9/23/99		5	Pentachloroethane	162	µg/L		U Seepine Water Well
FHB008	9/23/99		5	Pentachloroethane	162	µg/L		U Seepine Water Well
FHB012	5/3/99		5	Pentachloroethane	162	µg/L		U Seepine Surface Stream Water Well
FHB012	9/21/99		5	Pentachloroethane	162	µg/L		U Seepine Surface Stream Water Well
FHB013	5/3/99		5	Pentachloroethane	162	µg/L		U Seepine Water Well
FHB013	9/21/99		5	Pentachloroethane	162	µg/L		U Seepine Water Well
FHB014	5/3/99		5	Pentachloroethane	162	µg/L		U Seepine Water Well
FHB014	9/23/99		5	Pentachloroethane	162	µg/L		U Seepine Water Well
FHB016	5/3/99		5	Pentachloroethane	162	µg/L		JU Seepine Water Well
FHB016	9/21/99		5	Pentachloroethane	162	µg/L		U Seepine Water Well
FHB017	5/3/99		5	Pentachloroethane	162	µg/L		U Seepine Water Well
FHB017	9/21/99		5	Pentachloroethane	162	µg/L		U Seepine Water Well
FHB018	5/3/99		5	Pentachloroethane	162	µg/L		U Seepine Water Well
FHB018	9/21/99		5	Pentachloroethane	162	µg/L		U Seepine Water Well
FHB019	5/3/99		5	Pentachloroethane	162	µg/L		U Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB019	9/23/99		5	Pentachloroethane	162	µg/L	U	Seepine Water Well
FHB020	5/3/99		5	Pentachloroethane	162	µg/L	U	Seepine Water Well
FHB020	9/23/99		5	Pentachloroethane	162	µg/L	U	Seepine Water Well
FHB022	5/3/99		5	Pentachloroethane	162	µg/L	U	Seepine Water Well
FHB022	9/21/99		5	Pentachloroethane	162	µg/L	U	Seepine Water Well
FHB024	5/3/99		5	Pentachloroethane	162	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		5	Pentachloroethane	162	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		5	Pentachloroethane	162	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		5	Pentachloroethane	162	µg/L	U	Seepine Water Well
FMC002H	5/3/99		5	Pentachloroethane	162	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		5	Pentachloroethane	162	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		5	Pentachloroethane	162	µg/L	U	Seepine Water Well
FSP061	9/22/99		5	Pentachloroethane	162	µg/L	U	Seepine Water Well
FSP062	9/22/99		5	Pentachloroethane	162	µg/L	U	Seepine Water Well
FSP063	9/22/99		5	Pentachloroethane	162	µg/L	U	Seepine Water Well
FSP064	9/22/99		5	Pentachloroethane	162	µg/L	U	Seepine Water Well
FSP065	9/22/99		5	Pentachloroethane	162	µg/L	U	Seepine Water Well
FSP066	9/22/99		5	Pentachloroethane	162	µg/L	U	Seepine Water Well
FSP067	9/22/99		5	Pentachloroethane	162	µg/L	U	Seepine Water Well
FSP068	9/22/99		5	Pentachloroethane	162	µg/L	U	Seepine Water Well
FSP069	9/22/99		5	Pentachloroethane	162	µg/L	U	Seepine Water Well
FSP070	9/22/99		5	Pentachloroethane	162	µg/L	U	Seepine Water Well
FSP071	9/23/99		5	Pentachloroethane	162	µg/L	U	Seepine Water Well
FSP072	9/23/99		5	Pentachloroethane	162	µg/L	U	Seepine Water Well
HSP071	9/21/99		5	Pentachloroethane	162	µg/L	U	Seepine Water Well
HSP097	9/23/99		5	Pentachloroethane	162	µg/L	U	Seepine Water Well
FHB004	9/23/99		53.3	Phenols	100	µg/L		Seepine Water Well
FHB008	9/23/99		5	Phenols	100	µg/L	U	Seepine Water Well
FHB012	5/3/99		5	Phenols	100	µg/L	U	Seepine Surface Stream Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB012	9/21/99		5	Phenols	100	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		5	Phenols	100	µg/L	U	Seepine Water Well
FHB013	9/21/99		5	Phenols	100	µg/L	U	Seepine Water Well
FHB014	5/3/99		5	Phenols	100	µg/L	U	Seepine Water Well
FHB014	9/23/99		5	Phenols	100	µg/L	U	Seepine Water Well
FHB016	5/3/99		5	Phenols	100	µg/L	U	Seepine Water Well
FHB016	9/21/99		5	Phenols	100	µg/L	U	Seepine Water Well
FHB017	5/3/99		5	Phenols	100	µg/L	U	Seepine Water Well
FHB017	9/21/99		54.8	Phenols	100	µg/L		Seepine Water Well
FHB018	5/3/99		48.9	Phenols	100	µg/L		Seepine Water Well
FHB018	9/21/99		5	Phenols	100	µg/L	U	Seepine Water Well
FHB019	5/3/99		5	Phenols	100	µg/L	U	Seepine Water Well
FHB019	9/23/99		5	Phenols	100	µg/L	U	Seepine Water Well
FHB020	5/3/99		5	Phenols	100	µg/L	U	Seepine Water Well
FHB022	5/3/99		5	Phenols	100	µg/L	U	Seepine Water Well
FHB022	9/21/99		5	Phenols	100	µg/L	U	Seepine Water Well
FHB024	5/3/99		5	Phenols	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		50	Phenols	100	µg/L		Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		5	Phenols	100	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		1.8	Phenols	100	µg/L	J	Seepine Water Well
FMC002H	5/3/99		5	Phenols	100	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		5	Phenols	100	µg/L	U	FMB Surface Water Well
FSP060	9/22/99		5	Phenols	100	µg/L	U	Seepine Water Well
FSP061	9/22/99		5	Phenols	100	µg/L	U	Seepine Water Well
FSP062	9/22/99		5	Phenols	100	µg/L	U	Seepine Water Well
FSP063	9/22/99		5	Phenols	100	µg/L	U	Seepine Water Well
FSP064	9/22/99		5	Phenols	100	µg/L	U	Seepine Water Well
FSP065	9/22/99		5	Phenols	100	µg/L	U	Seepine Water Well
FSP066	9/22/99		52.1	Phenols	100	µg/L		Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP067	9/22/99		5	Phenols	100	µg/L	U	Seepiline Water Well
FSP068	9/22/99		5	Phenols	100	µg/L	U	Seepiline Water Well
FSP069	9/22/99		5	Phenols	100	µg/L	U	Seepiline Water Well
FSP070	9/22/99		61.3	Phenols	100	µg/L		Seepiline Water Well
FSP071	9/23/99		5	Phenols	100	µg/L	U	Seepiline Water Well
FSP072	9/23/99		4.86	Phenols	100	µg/L	J	Seepiline Water Well
HSP071	9/21/99		5	Phenols	100	µg/L	U	Seepiline Water Well
HSP097	9/23/99		1.76	Phenols	100	µg/L	J	Seepiline Water Well
FHB004	9/23/99		7870	Potassium, total recoverable		µg/L		Seepiline Water Well
FHB005	9/23/99		2620	Potassium, total recoverable		µg/L		Seepiline Water Well
FHB008	9/23/99		375	Potassium, total recoverable		µg/L		Seepiline Water Well
FHB012	5/3/99		256	Potassium, total recoverable		µg/L		Seepiline Surface Stream
FHB012	9/21/99		268	Potassium, total recoverable		µg/L		Seepiline Surface Stream
FHB013	5/3/99		1680	Potassium, total recoverable		µg/L		Seepiline Water Well
FHB013	9/21/99		810	Potassium, total recoverable		µg/L		Seepiline Water Well
FHB014	5/3/99		468	Potassium, total recoverable		µg/L		Seepiline Water Well
FHB014	9/23/99		192	Potassium, total recoverable		µg/L		Seepiline Water Well
FHB016	5/3/99		3840	Potassium, total recoverable		µg/L		Seepiline Water Well
FHB016	9/21/99		6220	Potassium, total recoverable		µg/L		Seepiline Water Well
FHB017	5/3/99		1620	Potassium, total recoverable		µg/L		Seepiline Water Well
FHB017	9/21/99		5950	Potassium, total recoverable		µg/L	U	Seepiline Water Well
FHB018	5/3/99		5710	Potassium, total recoverable		µg/L		Seepiline Water Well
FHB018	9/21/99		1430	Potassium, total recoverable		µg/L		Seepiline Water Well
FHB019	5/3/99		1160	Potassium, total recoverable		µg/L		Seepiline Water Well
FHB019	9/23/99		375	Potassium, total recoverable		µg/L		Seepiline Water Well
FHB020	5/3/99		6320	Potassium, total recoverable		µg/L		Seepiline Water Well
FHB020	9/23/99		4190	Potassium, total recoverable		µg/L		Seepiline Water Well
FHB022	5/3/99		291	Potassium, total recoverable		µg/L		Seepiline Water Well
FHB022	9/21/99		299	Potassium, total recoverable		µg/L		Seepiline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB024	5/3/99		922	Potassium, total recoverable		µg/L		Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		1010	Potassium, total recoverable		µg/L		Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		273	Potassium, total recoverable		µg/L		Seepine Surface Stream Water Well
FHB030	9/23/99		939	Potassium, total recoverable		µg/L		Seepine Water Well
FMC002H	5/3/99		340	Potassium, total recoverable		µg/L		FMB Surface Water Well
FMC002H	9/23/99		134	Potassium, total recoverable		µg/L		FMB Surface Water Well
FSP060	9/22/99		156	Potassium, total recoverable		µg/L		Seepine Water Well
FSP061	9/22/99		283	Potassium, total recoverable		µg/L		Seepine Water Well
FSP062	9/22/99		272	Potassium, total recoverable		µg/L		Seepine Water Well
FSP063	9/22/99		445	Potassium, total recoverable		µg/L		Seepine Water Well
FSP064	9/22/99		275	Potassium, total recoverable		µg/L		Seepine Water Well
FSP065	9/22/99		839	Potassium, total recoverable		µg/L		Seepine Water Well
FSP066	9/22/99		520	Potassium, total recoverable		µg/L		Seepine Water Well
FSP067	9/22/99		292	Potassium, total recoverable		µg/L		Seepine Water Well
FSP068	9/22/99		100	Potassium, total recoverable		µg/L		Seepine Water Well
FSP069	9/22/99		495	Potassium, total recoverable		µg/L		Seepine Water Well
FSP070	9/22/99		1950	Potassium, total recoverable		µg/L		Seepine Water Well
FSP071	9/23/99		1010	Potassium, total recoverable		µg/L		Seepine Water Well
FSP072	9/23/99		2710	Potassium, total recoverable		µg/L		Seepine Water Well
HSP071	9/21/99		1100	Potassium, total recoverable		µg/L		Seepine Water Well
HSP097	9/23/99		1750	Potassium, total recoverable		µg/L		Seepine Water Well
FHB004	9/23/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well
FHB005	9/23/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well
FHB008	9/23/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well
FHB012	5/3/99		10	Propionitrile	3330	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		10	Propionitrile	3330	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well
FHB013	9/21/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well
FHB014	5/3/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB014	9/23/99		10	Propionitrile	3330	µg/L	JU	Seepine Water Well
FHB016	5/3/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well
FHB016	9/21/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well
FHB017	5/3/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well
FHB017	9/21/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well
FHB018	5/3/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well
FHB018	9/21/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well
FHB019	5/3/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well
FHB019	9/23/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well
FHB020	5/3/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well
FHB020	9/23/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well
FHB022	5/3/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well
FHB022	9/21/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well
FHB024	5/3/99		10	Propionitrile	3330	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		10	Propionitrile	3330	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		10	Propionitrile	3330	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well
FMC002H	5/3/99		10	Propionitrile	3330	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		10	Propionitrile	3330	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well
FSP061	9/22/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well
FSP062	9/22/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well
FSP063	9/22/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well
FSP064	9/22/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well
FSP065	9/22/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well
FSP066	9/22/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well
FSP067	9/22/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well
FSP068	9/22/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well
FSP069	9/22/99		10	Propionitrile	3330	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP070	9/22/99		10	Propionitrile	3330	µg/L	U	Seepline Water Well
FSP071	9/23/99		10	Propionitrile	3330	µg/L	U	Seepline Water Well
FSP072	9/23/99		10	Propionitrile	3330	µg/L	U	Seepline Water Well
HSP071	9/21/99		10	Propionitrile	3330	µg/L	U	Seepline Water Well
HSP097	9/23/99		10	Propionitrile	3330	µg/L	U	Seepline Water Well
FHB004	9/23/99		3.1	Radium, total alpha-emitting	5	pCi/L		Seepline Water Well
FHB008	9/23/99		0.7	Radium, total alpha-emitting	5	pCi/L	J	Seepline Water Well
FHB012	5/3/99 +		555	Radium, total alpha-emitting	5	pCi/L		Seepline Surface Stream Water Well
FHB012	9/21/99		1.9	Radium, total alpha-emitting	5	pCi/L		Seepline Surface Stream Water Well
FHB013	5/3/99		1.5	Radium, total alpha-emitting	5	pCi/L		Seepline Water Well
FHB013	9/21/99		1.1	Radium, total alpha-emitting	5	pCi/L		Seepline Water Well
FHB014	5/3/99		0.4	Radium, total alpha-emitting	5	pCi/L	J	Seepline Water Well
FHB014	9/23/99		2.2	Radium, total alpha-emitting	5	pCi/L		Seepline Water Well
FHB016	9/21/99		1.1	Radium, total alpha-emitting	5	pCi/L	J	Seepline Water Well
FHB017	5/3/99		0.5	Radium, total alpha-emitting	5	pCi/L		Seepline Water Well
FHB017	9/21/99		0.3	Radium, total alpha-emitting	5	pCi/L		Seepline Water Well
FHB018	5/3/99		2.3	Radium, total alpha-emitting	5	pCi/L		Seepline Water Well
FHB018	9/21/99 +		9.4	Radium, total alpha-emitting	5	pCi/L		Seepline Water Well
FHB019	5/3/99		1.1	Radium, total alpha-emitting	5	pCi/L	J	Seepline Water Well
FHB020	5/3/99		1	Radium, total alpha-emitting	5	pCi/L		Seepline Water Well
FHB022	5/3/99		1.8	Radium, total alpha-emitting	5	pCi/L		Seepline Water Well
FHB022	9/21/99		1.5	Radium, total alpha-emitting	5	pCi/L		Seepline Water Well
FHB024	5/3/99		1.3	Radium, total alpha-emitting	5	pCi/L		Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		1.3	Radium, total alpha-emitting	5	pCi/L		Engineered Ditch Surface Stream Water Well
FHB026	9/21/99 +		461	Radium, total alpha-emitting	5	pCi/L		Seepline Surface Stream Water Well
FHB030	9/23/99		1	Radium, total alpha-emitting	5	pCi/L	J	Seepline Water Well
FMC002H	5/3/99		0.3	Radium, total alpha-emitting	5	pCi/L	U	FMB Surface Water Well
FMC002H	9/23/99		0.7	Radium, total alpha-emitting	5	pCi/L	J	FMB Surface Water Well
FSP060	9/22/99		0.7	Radium, total alpha-emitting	5	pCi/L	J	Seepline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP061	9/22/99		0.8	Radium, total alpha-emitting	5	pCi/L	J	Seepine Water Well
FSP062	9/22/99		0.3	Radium, total alpha-emitting	5	pCi/L	J	Seepine Water Well
FSP063	9/22/99		0.3	Radium, total alpha-emitting	5	pCi/L	J	Seepine Water Well
FSP064	9/22/99		1.3	Radium, total alpha-emitting	5	pCi/L	J	Seepine Water Well
FSP065	9/22/99		0.3	Radium, total alpha-emitting	5	pCi/L	J	Seepine Water Well
FSP066	9/22/99		0	Radium, total alpha-emitting	5	pCi/L	U	Seepine Water Well
FSP067	9/22/99		0.1	Radium, total alpha-emitting	5	pCi/L	U	Seepine Water Well
FSP068	9/22/99		0.4	Radium, total alpha-emitting	5	pCi/L	U	Seepine Water Well
FSP069	9/22/99		1.3	Radium, total alpha-emitting	5	pCi/L	J	Seepine Water Well
FSP070	9/22/99		1.2	Radium, total alpha-emitting	5	pCi/L	J	Seepine Water Well
FSP071	9/23/99		0.3	Radium, total alpha-emitting	5	pCi/L	J	Seepine Water Well
FSP072	9/23/99		4.9	Radium, total alpha-emitting	5	pCi/L	J	Seepine Water Well
HSP071	9/21/99		0.2	Radium, total alpha-emitting	5	pCi/L	U	Seepine Water Well
HSP097	9/23/99 +		118	Radium, total alpha-emitting	5	pCi/L	U	Seepine Water Well
FHB004	9/23/99 +		513	Selenium, total recoverable	50	µg/L	U	Seepine Water Well
FHB005	9/23/99		5	Selenium, total recoverable	50	µg/L	U	Seepine Water Well
FHB008	9/23/99		5	Selenium, total recoverable	50	µg/L	U	Seepine Water Well
FHB012	5/3/99		5	Selenium, total recoverable	50	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		5	Selenium, total recoverable	50	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		3.47	Selenium, total recoverable	50	µg/L	J	Seepine Water Well
FHB013	9/21/99		5	Selenium, total recoverable	50	µg/L	U	Seepine Water Well
FHB014	5/3/99		5	Selenium, total recoverable	50	µg/L	U	Seepine Water Well
FHB014	9/23/99		5	Selenium, total recoverable	50	µg/L	U	Seepine Water Well
FHB016	5/3/99		5.9	Selenium, total recoverable	50	µg/L	J	Seepine Water Well
FHB016	9/21/99 +		1050	Selenium, total recoverable	50	µg/L	U	Seepine Water Well
FHB017	5/3/99		5.23	Selenium, total recoverable	50	µg/L	U	Seepine Water Well
FHB017	9/21/99		1140	Selenium, total recoverable	50	µg/L	J	Seepine Water Well
FHB018	5/3/99 +		1000	Selenium, total recoverable	50	µg/L	J	Seepine Water Well
FHB018	9/21/99		8.77	Selenium, total recoverable	50	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB019	5/3/99		5	Selenium, total recoverable	50	µg/L	U	Seepine Water Well
FHB019	9/23/99		5	Selenium, total recoverable	50	µg/L	U	Seepine Water Well
FHB020	5/3/99		11.5	Selenium, total recoverable	50	µg/L		Seepine Water Well
FHB020	9/23/99		14.6	Selenium, total recoverable	50	µg/L		Seepine Water Well
FHB022	5/3/99		5	Selenium, total recoverable	50	µg/L	U	Seepine Water Well
FHB022	9/21/99		5	Selenium, total recoverable	50	µg/L	U	Seepine Water Well
FHB024	5/3/99		5	Selenium, total recoverable	50	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		5	Selenium, total recoverable	50	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		5	Selenium, total recoverable	50	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		5	Selenium, total recoverable	50	µg/L	U	Seepine Water Well
FMC002H	5/3/99		5	Selenium, total recoverable	50	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		5	Selenium, total recoverable	50	µg/L	U	FMB Surface Water Well
FSP060	9/22/99		5	Selenium, total recoverable	50	µg/L	U	Seepine Water Well
FSP061	9/22/99		5	Selenium, total recoverable	50	µg/L	U	Seepine Water Well
FSP062	9/22/99		5	Selenium, total recoverable	50	µg/L	U	Seepine Water Well
FSP063	9/22/99		5	Selenium, total recoverable	50	µg/L	U	Seepine Water Well
FSP064	9/22/99		5	Selenium, total recoverable	50	µg/L	U	Seepine Water Well
FSP065	9/22/99		5	Selenium, total recoverable	50	µg/L	U	Seepine Water Well
FSP066	9/22/99		5	Selenium, total recoverable	50	µg/L	U	Seepine Water Well
FSP067	9/22/99		5	Selenium, total recoverable	50	µg/L	U	Seepine Water Well
FSP068	9/22/99		5	Selenium, total recoverable	50	µg/L	U	Seepine Water Well
FSP069	9/22/99		5	Selenium, total recoverable	50	µg/L	U	Seepine Water Well
FSP070	9/22/99		5	Selenium, total recoverable	50	µg/L	U	Seepine Water Well
FSP071	9/23/99		5	Selenium, total recoverable	50	µg/L	U	Seepine Water Well
FSP072	9/23/99		3.63	Selenium, total recoverable	50	µg/L	J	Seepine Water Well
HSP071	9/21/99		5	Selenium, total recoverable	50	µg/L	U	Seepine Water Well
HSP097	9/23/99		10.7	Selenium, total recoverable	50	µg/L		Seepine Water Well
FHB004	9/23/99		26300	Silica, total recoverable		µg/L		Seepine Water Well
FHB005	9/23/99		59200	Silica, total recoverable		µg/L		Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB008	9/23/99		8230	Silica, total recoverable		µg/L		Seepine Water Well
FHB012	5/3/99		7180	Silica, total recoverable		µg/L	J	Seepine Surface Stream Water Well
FHB012	9/21/99		8910	Silica, total recoverable		µg/L		Seepine Surface Stream Water Well
FHB013	5/3/99		61900	Silica, total recoverable		µg/L	J	Seepine Water Well
FHB013	9/21/99		11600	Silica, total recoverable		µg/L		Seepine Water Well
FHB014	5/3/99		8970	Silica, total recoverable		µg/L		Seepine Water Well
FHB014	9/23/99		6220	Silica, total recoverable		µg/L		Seepine Water Well
FHB016	5/3/99		164000	Silica, total recoverable		µg/L		Seepine Water Well
FHB016	9/21/99		27400	Silica, total recoverable		µg/L		Seepine Water Well
FHB017	5/3/99		85800	Silica, total recoverable		µg/L		Seepine Water Well
FHB017	9/21/99		23200	Silica, total recoverable		µg/L	J	Seepine Water Well
FHB018	5/3/99		21000	Silica, total recoverable		µg/L		Seepine Water Well
FHB018	9/21/99		95600	Silica, total recoverable		µg/L		Seepine Water Well
FHB019	5/3/99		8210	Silica, total recoverable		µg/L	J	Seepine Water Well
FHB019	9/23/99		11500	Silica, total recoverable		µg/L		Seepine Water Well
FHB020	5/3/99		211000	Silica, total recoverable		µg/L		Seepine Water Well
FHB020	9/23/99		156000	Silica, total recoverable		µg/L		Seepine Water Well
FHB022	5/3/99		7820	Silica, total recoverable		µg/L	J	Seepine Water Well
FHB022	9/21/99		8420	Silica, total recoverable		µg/L		Seepine Water Well
FHB024	5/3/99		9840	Silica, total recoverable		µg/L		Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		10800	Silica, total recoverable		µg/L		Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		8420	Silica, total recoverable		µg/L		Seepine Surface Stream Water Well
FHB030	9/23/99		11000	Silica, total recoverable		µg/L		Seepine Water Well
FMC002H	5/3/99		6010	Silica, total recoverable		µg/L		FMB Surface Water Well
FMC002H	9/23/99		7820	Silica, total recoverable		µg/L		FMB Surface Water Well
FSP060	9/22/99		9460	Silica, total recoverable		µg/L		Seepine Water Well
FSP061	9/22/99		14300	Silica, total recoverable		µg/L		Seepine Water Well
FSP062	9/22/99		18400	Silica, total recoverable		µg/L		Seepine Water Well
FSP063	9/22/99		8350	Silica, total recoverable		µg/L		Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP064	9/22/99		16100	Silica, total recoverable		µg/L		Seepline Water Well
FSP065	9/22/99		14800	Silica, total recoverable		µg/L		Seepline Water Well
FSP066	9/22/99		15100	Silica, total recoverable		µg/L		Seepline Water Well
FSP067	9/22/99		8700	Silica, total recoverable		µg/L		Seepline Water Well
FSP068	9/22/99		13400	Silica, total recoverable		µg/L		Seepline Water Well
FSP069	9/22/99		8930	Silica, total recoverable		µg/L		Seepline Water Well
FSP070	9/22/99		19900	Silica, total recoverable		µg/L		Seepline Water Well
FSP071	9/23/99		13800	Silica, total recoverable		µg/L		Seepline Water Well
FSP072	9/23/99		15700	Silica, total recoverable		µg/L		Seepline Water Well
HSP071	9/21/99		15900	Silica, total recoverable		µg/L		Seepline Water Well
HSP097	9/23/99		73000	Silica, total recoverable		µg/L		Seepline Water Well
FHB004	9/23/99 +		516	Silver, total recoverable	100	µg/L		Seepline Water Well
FHB005	9/23/99		5	Silver, total recoverable	100	µg/L	U	Seepline Water Well
FHB008	9/23/99		5	Silver, total recoverable	100	µg/L	U	Seepline Water Well
FHB012	5/3/99		5	Silver, total recoverable	100	µg/L	U	Seepline Surface Stream Water Well
FHB012	9/21/99		5	Silver, total recoverable	100	µg/L	U	Seepline Surface Stream Water Well
FHB013	5/3/99		5	Silver, total recoverable	100	µg/L	U	Seepline Water Well
FHB013	9/21/99		5	Silver, total recoverable	100	µg/L	U	Seepline Water Well
FHB014	5/3/99		5	Silver, total recoverable	100	µg/L	U	Seepline Water Well
FHB014	9/23/99		5	Silver, total recoverable	100	µg/L	U	Seepline Water Well
FHB016	5/3/99		8.06	Silver, total recoverable	100	µg/L	J	Seepline Water Well
FHB016	9/21/99 +		1090	Silver, total recoverable	100	µg/L	J	Seepline Water Well
FHB017	5/3/99		1.63	Silver, total recoverable	100	µg/L	J	Seepline Water Well
FHB017	9/21/99 +		1140	Silver, total recoverable	100	µg/L	J	Seepline Water Well
FHB018	5/3/99 +		1010	Silver, total recoverable	100	µg/L	J	Seepline Water Well
FHB018	9/21/99		5	Silver, total recoverable	100	µg/L	U	Seepline Water Well
FHB019	5/3/99		5	Silver, total recoverable	100	µg/L	U	Seepline Water Well
FHB019	9/23/99		5	Silver, total recoverable	100	µg/L	U	Seepline Water Well
FHB020	5/3/99		1.61	Silver, total recoverable	100	µg/L	J	Seepline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB020	9/23/99		5	Silver, total recoverable	100	µg/L	U	Seepine Water Well
FHB022	5/3/99		5	Silver, total recoverable	100	µg/L	U	Seepine Water Well
FHB022	9/21/99		5	Silver, total recoverable	100	µg/L	U	Seepine Water Well
FHB024	5/3/99		5	Silver, total recoverable	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		5	Silver, total recoverable	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		5	Silver, total recoverable	100	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		5	Silver, total recoverable	100	µg/L	U	Seepine Water Well
FMC002H	5/3/99		5	Silver, total recoverable	100	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		5	Silver, total recoverable	100	µg/L	U	FMB Surface Water Well
FSP060	9/22/99		5	Silver, total recoverable	100	µg/L	U	Seepine Water Well
FSP061	9/22/99		5	Silver, total recoverable	100	µg/L	U	Seepine Water Well
FSP062	9/22/99		5	Silver, total recoverable	100	µg/L	U	Seepine Water Well
FSP063	9/22/99		5	Silver, total recoverable	100	µg/L	U	Seepine Water Well
FSP064	9/22/99		5	Silver, total recoverable	100	µg/L	U	Seepine Water Well
FSP065	9/22/99		5	Silver, total recoverable	100	µg/L	U	Seepine Water Well
FSP066	9/22/99		5	Silver, total recoverable	100	µg/L	U	Seepine Water Well
FSP067	9/22/99		5	Silver, total recoverable	100	µg/L	U	Seepine Water Well
FSP068	9/22/99		5	Silver, total recoverable	100	µg/L	U	Seepine Water Well
FSP069	9/22/99		5	Silver, total recoverable	100	µg/L	U	Seepine Water Well
FSP070	9/22/99		5	Silver, total recoverable	100	µg/L	U	Seepine Water Well
FSP071	9/23/99		5	Silver, total recoverable	100	µg/L	U	Seepine Water Well
FSP072	9/23/99		5	Silver, total recoverable	100	µg/L	U	Seepine Water Well
HSP071	9/21/99		5	Silver, total recoverable	100	µg/L	U	Seepine Water Well
HSP097	9/23/99		5	Silver, total recoverable	100	µg/L	U	Seepine Water Well
FHB004	9/23/99		15100	Sodium, total recoverable		µg/L		Seepine Water Well
FHB005	9/23/99		11200	Sodium, total recoverable		µg/L		Seepine Water Well
FHB008	9/23/99		4950	Sodium, total recoverable		µg/L		Seepine Water Well
FHB012	5/3/99		4410	Sodium, total recoverable		µg/L		Seepine Surface Stream Water Well
FHB012	9/21/99		4720	Sodium, total recoverable		µg/L		Seepine Surface Stream Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB013	5/3/99		3740	Sodium, total recoverable		µg/L		Seepine Water Well
FHB013	9/21/99		9160	Sodium, total recoverable		µg/L		Seepine Water Well
FHB014	5/3/99		4590	Sodium, total recoverable		µg/L		Seepine Water Well
FHB014	9/23/99		4770	Sodium, total recoverable		µg/L		Seepine Water Well
FHB016	5/3/99		3910	Sodium, total recoverable		µg/L		Seepine Water Well
FHB016	9/21/99		13900	Sodium, total recoverable		µg/L		Seepine Water Well
FHB017	5/3/99		7000	Sodium, total recoverable		µg/L		Seepine Water Well
FHB017	9/21/99		17500	Sodium, total recoverable		µg/L		Seepine Water Well
FHB018	5/3/99		12800	Sodium, total recoverable		µg/L		Seepine Water Well
FHB018	9/21/99		5630	Sodium, total recoverable		µg/L		Seepine Water Well
FHB019	5/3/99		5480	Sodium, total recoverable		µg/L		Seepine Water Well
FHB019	9/23/99		7520	Sodium, total recoverable		µg/L		Seepine Water Well
FHB020	5/3/99		3530	Sodium, total recoverable		µg/L		Seepine Water Well
FHB020	9/23/99		3540	Sodium, total recoverable		µg/L		Seepine Water Well
FHB022	5/3/99		5160	Sodium, total recoverable		µg/L		Seepine Water Well
FHB022	9/21/99		5610	Sodium, total recoverable		µg/L		Seepine Water Well
FHB024	5/3/99		11000	Sodium, total recoverable		µg/L		Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		8730	Sodium, total recoverable		µg/L		Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		5970	Sodium, total recoverable		µg/L		Seepine Surface Stream Water Well
FHB030	9/23/99		8110	Sodium, total recoverable		µg/L		Seepine Water Well
FMC002H	5/3/99		5280	Sodium, total recoverable		µg/L		FMB Surface Water Well
FMC002H	9/23/99		9180	Sodium, total recoverable		µg/L		FMB Surface Water Well
FSP060	9/22/99		3670	Sodium, total recoverable		µg/L		Seepine Water Well
FSP061	9/22/99		4700	Sodium, total recoverable		µg/L		Seepine Water Well
FSP062	9/22/99		3240	Sodium, total recoverable		µg/L		Seepine Water Well
FSP063	9/22/99		8620	Sodium, total recoverable		µg/L		Seepine Water Well
FSP064	9/22/99		3950	Sodium, total recoverable		µg/L		Seepine Water Well
FSP065	9/22/99		5540	Sodium, total recoverable		µg/L		Seepine Water Well
FSP066	9/22/99		4620	Sodium, total recoverable		µg/L		Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP067	9/22/99		3010	Sodium, total recoverable		µg/L		Seepine Water Well
FSP068	9/22/99		3590	Sodium, total recoverable		µg/L		Seepine Water Well
FSP069	9/22/99		7890	Sodium, total recoverable		µg/L		Seepine Water Well
FSP070	9/22/99		2120	Sodium, total recoverable		µg/L		Seepine Water Well
FSP071	9/23/99		3140	Sodium, total recoverable		µg/L		Seepine Water Well
FSP072	9/23/99		4260	Sodium, total recoverable		µg/L		Seepine Water Well
HSP071	9/21/99		37300	Sodium, total recoverable		µg/L		Seepine Water Well
HSP097	9/23/99		23000	Sodium, total recoverable		µg/L		Seepine Water Well
FHB004	9/23/99 +		866	Strontium-90	8	pCi/L		Seepine Water Well
FHB008	9/23/99		-0.257	Strontium-90	8	pCi/L		U Seepine Water Well
FHB012	5/3/99		-0.0981	Strontium-90	8	pCi/L		U Seepine Surface Stream Water Well
FHB012	9/21/99		0.242	Strontium-90	8	pCi/L		U Seepine Surface Stream Water Well
FHB013	5/3/99		0.698	Strontium-90	8	pCi/L		U Seepine Water Well
FHB013	9/21/99		0.988	Strontium-90	8	pCi/L		JU Seepine Water Well
FHB014	5/3/99		-0.186	Strontium-90	8	pCi/L		U Seepine Water Well
FHB014	9/23/99		0.0182	Strontium-90	8	pCi/L		U Seepine Water Well
FHB016	9/21/99		-0.141	Strontium-90	8	pCi/L		U Seepine Water Well
FHB017	5/3/99		-0.348	Strontium-90	8	pCi/L		U Seepine Water Well
FHB017	9/21/99 +		727	Strontium-90	8	pCi/L		Seepine Water Well
FHB018	5/3/99 +		796	Strontium-90	8	pCi/L		Seepine Water Well
FHB018	9/21/99		1.16	Strontium-90	8	pCi/L		JU Seepine Water Well
FHB019	5/3/99		0.232	Strontium-90	8	pCi/L		U Seepine Water Well
FHB019	9/23/99		0.564	Strontium-90	8	pCi/L		U Seepine Water Well
FHB020	5/3/99 +		367	Strontium-90	8	pCi/L		Seepine Water Well
FHB022	5/3/99		-0.197	Strontium-90	8	pCi/L		U Seepine Water Well
FHB022	9/21/99		-0.153	Strontium-90	8	pCi/L		JU Seepine Water Well
FHB024	5/3/99		-0.931	Strontium-90	8	pCi/L		U Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		0.27	Strontium-90	8	pCi/L		U Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		-0.575	Strontium-90	8	pCi/L		JU Seepine Surface Stream Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB030	9/23/99		0.739	Strontium-90	8	pCi/L	U	Seepiline Water Well
FMC002H	5/3/99		3.73	Strontium-90	8	pCi/L		FMB Surface Water Well
FMC002H	9/23/99		2.96	Strontium-90	8	pCi/L		FMB Surface Water Well
FSP060	9/22/99		-0.114	Strontium-90	8	pCi/L	JU	Seepiline Water Well
FSP061	9/22/99		0.297	Strontium-90	8	pCi/L	JU	Seepiline Water Well
FSP062	9/22/99		1.37	Strontium-90	8	pCi/L	J	Seepiline Water Well
FSP063	9/22/99		1.66	Strontium-90	8	pCi/L	J	Seepiline Water Well
FSP064	9/22/99		1.03	Strontium-90	8	pCi/L	JU	Seepiline Water Well
FSP065	9/22/99		0.253	Strontium-90	8	pCi/L	JU	Seepiline Water Well
FSP066	9/22/99		0.489	Strontium-90	8	pCi/L	JU	Seepiline Water Well
FSP067	9/22/99		-0.355	Strontium-90	8	pCi/L	JU	Seepiline Water Well
FSP068	9/22/99		0.778	Strontium-90	8	pCi/L	JU	Seepiline Water Well
FSP069	9/22/99		1.65	Strontium-90	8	pCi/L	J	Seepiline Water Well
FSP070	9/22/99		1.15	Strontium-90	8	pCi/L	J	Seepiline Water Well
FSP071	9/23/99		0.207	Strontium-90	8	pCi/L	U	Seepiline Water Well
FSP072	9/23/99		0.125	Strontium-90	8	pCi/L	U	Seepiline Water Well
HSP071	9/21/99		16.6	Strontium-90	8	pCi/L	J	Seepiline Water Well
HSP097	9/23/99		0.821	Strontium-90	8	pCi/L	U	Seepiline Water Well
FHB004	9/23/99		1	Styrene	100	µg/L	U	Seepiline Water Well
FHB005	9/23/99		1	Styrene	100	µg/L	U	Seepiline Water Well
FHB008	9/23/99		1	Styrene	100	µg/L	U	Seepiline Water Well
FHB012	5/3/99		1	Styrene	100	µg/L	U	Seepiline Surface Stream Water Well
FHB012	9/21/99		1	Styrene	100	µg/L	U	Seepiline Surface Stream Water Well
FHB013	5/3/99		1	Styrene	100	µg/L	U	Seepiline Water Well
FHB013	9/21/99		1	Styrene	100	µg/L	U	Seepiline Water Well
FHB014	5/3/99		1	Styrene	100	µg/L	U	Seepiline Water Well
FHB014	9/23/99		1	Styrene	100	µg/L	JU	Seepiline Water Well
FHB016	5/3/99		1	Styrene	100	µg/L	U	Seepiline Water Well
FHB016	9/21/99		1	Styrene	100	µg/L	U	Seepiline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB017	5/3/99	1	1	Styrene	100	µg/L	U	Seepine Water Well
FHB017	9/21/99	1	1	Styrene	100	µg/L	U	Seepine Water Well
FHB018	5/3/99	1	1	Styrene	100	µg/L	U	Seepine Water Well
FHB018	9/21/99	1	1	Styrene	100	µg/L	U	Seepine Water Well
FHB019	5/3/99	1	1	Styrene	100	µg/L	U	Seepine Water Well
FHB019	9/23/99	1	1	Styrene	100	µg/L	U	Seepine Water Well
FHB020	5/3/99	1	1	Styrene	100	µg/L	U	Seepine Water Well
FHB020	9/23/99	1	1	Styrene	100	µg/L	U	Seepine Water Well
FHB022	5/3/99	1	1	Styrene	100	µg/L	U	Seepine Water Well
FHB022	9/21/99	1	1	Styrene	100	µg/L	U	Seepine Water Well
FHB024	5/3/99	1	1	Styrene	100	µg/L	U	Seepine Water Well
FHB024	9/23/99	1	1	Styrene	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99	1	1	Styrene	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB030	9/23/99	1	1	Styrene	100	µg/L	U	Seepine Surface Stream Water Well
FMC002H	5/3/99	1	1	Styrene	100	µg/L	U	Seepine Water Well
FMC002H	9/23/99	1	1	Styrene	100	µg/L	U	FMB Surface Water Well
FSP060	9/22/99	1	1	Styrene	100	µg/L	JU	FMB Surface Water Well
FSP061	9/22/99	1	1	Styrene	100	µg/L	U	Seepine Water Well
FSP062	9/22/99	1	1	Styrene	100	µg/L	U	Seepine Water Well
FSP063	9/22/99	1	1	Styrene	100	µg/L	U	Seepine Water Well
FSP064	9/22/99	1	1	Styrene	100	µg/L	U	Seepine Water Well
FSP065	9/22/99	1	1	Styrene	100	µg/L	U	Seepine Water Well
FSP066	9/22/99	1	1	Styrene	100	µg/L	U	Seepine Water Well
FSP067	9/22/99	1	1	Styrene	100	µg/L	U	Seepine Water Well
FSP068	9/22/99	1	1	Styrene	100	µg/L	U	Seepine Water Well
FSP069	9/22/99	1	1	Styrene	100	µg/L	U	Seepine Water Well
FSP070	9/22/99	1	1	Styrene	100	µg/L	U	Seepine Water Well
FSP071	9/23/99	1	1	Styrene	100	µg/L	U	Seepine Water Well
FSP072	9/23/99	1	1	Styrene	100	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
HSP071	9/21/99		1	Styrene	100	µg/L	U	Seepine Water Well
HSP097	9/23/99		1	Styrene	100	µg/L	U	Seepine Water Well
FHB004	9/23/99		10300	Sulfate	400000	µg/L		Seepine Water Well
FHB005	9/23/99		28400	Sulfate	400000	µg/L		Seepine Water Well
FHB008	9/23/99		2510	Sulfate	400000	µg/L		Seepine Water Well
FHB012	5/3/99		18300	Sulfate	400000	µg/L		Seepine Surface Stream Water Well
FHB012	9/21/99		924	Sulfate	400000	µg/L		Seepine Surface Stream Water Well
FHB013	5/3/99		12000	Sulfate	400000	µg/L		Seepine Water Well
FHB013	9/21/99		16200	Sulfate	400000	µg/L		Seepine Water Well
FHB014	5/3/99		3090	Sulfate	400000	µg/L		Seepine Water Well
FHB014	9/23/99		3190	Sulfate	400000	µg/L		Seepine Water Well
FHB016	5/3/99		9060	Sulfate	400000	µg/L		Seepine Water Well
FHB016	9/21/99		7900	Sulfate	400000	µg/L		Seepine Water Well
FHB017	5/3/99		9300	Sulfate	400000	µg/L		Seepine Water Well
FHB017	9/21/99		4440	Sulfate	400000	µg/L		Seepine Water Well
FHB018	5/3/99		9880	Sulfate	400000	µg/L		Seepine Water Well
FHB018	9/21/99		20800	Sulfate	400000	µg/L		Seepine Water Well
FHB019	5/3/99		15200	Sulfate	400000	µg/L		Seepine Water Well
FHB019	9/23/99		3610	Sulfate	400000	µg/L		Seepine Water Well
FHB020	5/3/99		21800	Sulfate	400000	µg/L		Seepine Water Well
FHB022	5/3/99		10600	Sulfate	400000	µg/L		Seepine Water Well
FHB022	9/21/99		1710	Sulfate	400000	µg/L		Seepine Water Well
FHB024	5/3/99		9280	Sulfate	400000	µg/L		Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		9330	Sulfate	400000	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1590	Sulfate	400000	µg/L		Seepine Surface Stream Water Well
FHB030	9/23/99		9200	Sulfate	400000	µg/L		Seepine Water Well
FMC002H	5/3/99		7320	Sulfate	400000	µg/L		FMB Surface Water Well
FMC002H	9/23/99		23400	Sulfate	400000	µg/L		FMB Surface Water Well
FSP060	9/22/99		257	Sulfate	400000	µg/L		Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP061	9/22/99		35800	Sulfate	400000	µg/L		Seepine Water Well
FSP062	9/22/99		11900	Sulfate	400000	µg/L		Seepine Water Well
FSP063	9/22/99		6960	Sulfate	400000	µg/L		Seepine Water Well
FSP064	9/22/99		7310	Sulfate	400000	µg/L		Seepine Water Well
FSP065	9/22/99		21800	Sulfate	400000	µg/L		Seepine Water Well
FSP066	9/22/99		4170	Sulfate	400000	µg/L		Seepine Water Well
FSP067	9/22/99		1910	Sulfate	400000	µg/L		Seepine Water Well
FSP068	9/22/99		13300	Sulfate	400000	µg/L		Seepine Water Well
FSP069	9/22/99		23900	Sulfate	400000	µg/L		Seepine Water Well
FSP070	9/22/99		4970	Sulfate	400000	µg/L		Seepine Water Well
FSP071	9/23/99		5260	Sulfate	400000	µg/L		Seepine Water Well
FSP072	9/23/99		402	Sulfate	400000	µg/L		Seepine Water Well
HSP071	9/21/99		18800	Sulfate	400000	µg/L		Seepine Water Well
HSP097	9/23/99		1050	Sulfate	400000	µg/L		Seepine Water Well
FHB004	9/23/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FHB005	9/23/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FHB008	9/23/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FHB012	5/3/99		3.02	Tetrachloroethylene	5	µg/L		Seepine Surface Stream Water Well
FHB012	9/21/99		3	Tetrachloroethylene	5	µg/L	J	Seepine Surface Stream Water Well
FHB013	5/3/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FHB013	9/21/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FHB014	5/3/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FHB014	9/23/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FHB016	5/3/99		1	Tetrachloroethylene	5	µg/L	JU	Seepine Water Well
FHB016	9/21/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FHB017	5/3/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FHB017	9/21/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FHB018	5/3/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FHB018	9/21/99		1.33	Tetrachloroethylene	5	µg/L		Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB019	5/3/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FHB019	9/23/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FHB020	5/3/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FHB020	9/23/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FHB022	5/3/99		3.44	Tetrachloroethylene	5	µg/L		Seepine Water Well
FHB022	9/21/99		3.34	Tetrachloroethylene	5	µg/L		Seepine Water Well
FHB024	5/3/99		1	Tetrachloroethylene	5	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		1	Tetrachloroethylene	5	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1.2	Tetrachloroethylene	5	µg/L		Seepine Surface Stream Water Well
FHB030	9/23/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FMC002H	5/3/99		1	Tetrachloroethylene	5	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		1	Tetrachloroethylene	5	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FSP061	9/22/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FSP062	9/22/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FSP063	9/22/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FSP064	9/22/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FSP065	9/22/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FSP066	9/22/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FSP067	9/22/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FSP068	9/22/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FSP069	9/22/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FSP070	9/22/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FSP071	9/23/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FSP072	9/23/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
HSP071	9/21/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
HSP097	9/23/99		1	Tetrachloroethylene	5	µg/L	U	Seepine Water Well
FHB004	9/23/99	+	532	Thallium, total recoverable	2	µg/L		Seepine Water Well
FHB005	9/23/99	+	10	Thallium, total recoverable	2	µg/L		Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB008	9/23/99		10	Thallium, total recoverable	2	µg/L	U	Seepiline Water Well
FHB012	5/3/99		10	Thallium, total recoverable	2	µg/L	U	Seepiline Surface Stream Water Well
FHB012	9/21/99		10	Thallium, total recoverable	2	µg/L	U	Seepiline Surface Stream Water Well
FHB013	5/3/99		10	Thallium, total recoverable	2	µg/L	U	Seepiline Water Well
FHB013	9/21/99		10	Thallium, total recoverable	2	µg/L	U	Seepiline Water Well
FHB014	5/3/99		10	Thallium, total recoverable	2	µg/L	U	Seepiline Water Well
FHB014	9/23/99		10	Thallium, total recoverable	2	µg/L	U	Seepiline Water Well
FHB016	5/3/99		20	Thallium, total recoverable	2	µg/L	U	Seepiline Water Well
FHB016	9/21/99	+	1050	Thallium, total recoverable	2	µg/L	U	Seepiline Water Well
FHB017	5/3/99		10	Thallium, total recoverable	2	µg/L	U	Seepiline Water Well
FHB017	9/21/99	+	1150	Thallium, total recoverable	2	µg/L	U	Seepiline Water Well
FHB018	5/3/99	+	1030	Thallium, total recoverable	2	µg/L	U	Seepiline Water Well
FHB018	9/21/99		10	Thallium, total recoverable	2	µg/L	U	Seepiline Water Well
FHB019	5/3/99		10	Thallium, total recoverable	2	µg/L	U	Seepiline Water Well
FHB019	9/23/99		10	Thallium, total recoverable	2	µg/L	U	Seepiline Water Well
FHB020	5/3/99		20	Thallium, total recoverable	2	µg/L	U	Seepiline Water Well
FHB020	9/23/99		10	Thallium, total recoverable	2	µg/L	U	Seepiline Water Well
FHB022	5/3/99		10	Thallium, total recoverable	2	µg/L	U	Seepiline Water Well
FHB022	9/21/99		10	Thallium, total recoverable	2	µg/L	U	Seepiline Water Well
FHB024	5/3/99		10	Thallium, total recoverable	2	µg/L	U	Seepiline Water Well
FHB024	9/23/99		10	Thallium, total recoverable	2	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		10	Thallium, total recoverable	2	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB030	9/23/99		10	Thallium, total recoverable	2	µg/L	U	Seepiline Surface Stream Water Well
FMC002H	5/3/99		3,13	Thallium, total recoverable	2	µg/L	U	Seepiline Water Well
FMC002H	9/23/99		10	Thallium, total recoverable	2	µg/L	J	FMB Surface Water Well
FSP060	9/22/99		10	Thallium, total recoverable	2	µg/L	U	FMB Surface Water Well
FSP061	9/22/99		10	Thallium, total recoverable	2	µg/L	U	Seepiline Water Well
FSP062	9/22/99		10	Thallium, total recoverable	2	µg/L	U	Seepiline Water Well
FSP063	9/22/99		10	Thallium, total recoverable	2	µg/L	U	Seepiline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP064	9/22/99		10	Thallium, total recoverable	2	µg/L	U	Seepine Water Well
FSP065	9/22/99		10	Thallium, total recoverable	2	µg/L	U	Seepine Water Well
FSP066	9/22/99		10	Thallium, total recoverable	2	µg/L	U	Seepine Water Well
FSP067	9/22/99		10	Thallium, total recoverable	2	µg/L	U	Seepine Water Well
FSP068	9/22/99		10	Thallium, total recoverable	2	µg/L	U	Seepine Water Well
FSP069	9/22/99		10	Thallium, total recoverable	2	µg/L	U	Seepine Water Well
FSP070	9/22/99		10	Thallium, total recoverable	2	µg/L	U	Seepine Water Well
FSP071	9/23/99		10	Thallium, total recoverable	2	µg/L	U	Seepine Water Well
FSP072	9/23/99		10	Thallium, total recoverable	2	µg/L	U	Seepine Water Well
HSP071	9/21/99		10	Thallium, total recoverable	2	µg/L	U	Seepine Water Well
HSP097	9/23/99		10	Thallium, total recoverable	2	µg/L	U	Seepine Water Well
FHB004	9/23/99 +		513	Tin, total recoverable	500	µg/L		Seepine Water Well
FHB005	9/23/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FHB008	9/23/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FHB012	5/3/99		100	Tin, total recoverable	500	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		100	Tin, total recoverable	500	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FHB013	9/21/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FHB014	5/3/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FHB014	9/23/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FHB016	5/3/99		200	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FHB016	9/21/99		1080	Tin, total recoverable	500	µg/L		Seepine Water Well
FHB017	5/3/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FHB017	9/21/99 +		1120	Tin, total recoverable	500	µg/L		Seepine Water Well
FHB018	5/3/99 +		967	Tin, total recoverable	500	µg/L		Seepine Water Well
FHB018	9/21/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FHB019	5/3/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FHB019	9/23/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FHB020	5/3/99		200	Tin, total recoverable	500	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB020	9/23/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FHB022	5/3/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FHB022	9/21/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FHB024	5/3/99		100	Tin, total recoverable	500	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		100	Tin, total recoverable	500	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		100	Tin, total recoverable	500	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FMC002H	5/3/99		100	Tin, total recoverable	500	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		100	Tin, total recoverable	500	µg/L	U	FMB Surface Water Well
FSP060	9/22/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FSP061	9/22/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FSP062	9/22/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FSP063	9/22/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FSP064	9/22/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FSP065	9/22/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FSP066	9/22/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FSP067	9/22/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FSP068	9/22/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FSP069	9/22/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FSP070	9/22/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FSP071	9/23/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FSP072	9/23/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
HSP071	9/21/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
HSP097	9/23/99		100	Tin, total recoverable	500	µg/L	U	Seepine Water Well
FHB004	9/23/99		1	Toluene	1000	µg/L	U	Seepine Water Well
FHB005	9/23/99		1	Toluene	1000	µg/L	U	Seepine Water Well
FHB008	9/23/99		1	Toluene	1000	µg/L	U	Seepine Water Well
FHB012	5/3/99		48.1	Toluene	1000	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		1	Toluene	1000	µg/L	U	Seepine Surface Stream Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB013	5/3/99		5.76	Toluene	1000	µg/L		Seepine Water Well
FHB013	9/21/99		1	Toluene	1000	µg/L	U	Seepine Water Well
FHB014	5/3/99		1	Toluene	1000	µg/L	U	Seepine Water Well
FHB014	9/23/99		1	Toluene	1000	µg/L	JU	Seepine Water Well
FHB016	5/3/99		49.1	Toluene	1000	µg/L		Seepine Water Well
FHB016	9/21/99		1	Toluene	1000	µg/L	U	Seepine Water Well
FHB017	5/3/99		1	Toluene	1000	µg/L	U	Seepine Water Well
FHB017	9/21/99		1	Toluene	1000	µg/L	U	Seepine Water Well
FHB018	5/3/99		1	Toluene	1000	µg/L	U	Seepine Water Well
FHB018	9/21/99		1	Toluene	1000	µg/L	U	Seepine Water Well
FHB019	5/3/99		0.521	Toluene	1000	µg/L	J	Seepine Water Well
FHB019	9/23/99		1	Toluene	1000	µg/L	U	Seepine Water Well
FHB020	5/3/99		30.8	Toluene	1000	µg/L		Seepine Water Well
FHB020	9/23/99		1	Toluene	1000	µg/L	U	Seepine Water Well
FHB022	5/3/99		1	Toluene	1000	µg/L	U	Seepine Water Well
FHB022	9/21/99		1	Toluene	1000	µg/L	U	Seepine Water Well
FHB024	5/3/99		1	Toluene	1000	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		1	Toluene	1000	µg/L		Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1	Toluene	1000	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		1	Toluene	1000	µg/L	U	Seepine Water Well
FMC002H	5/3/99		1	Toluene	1000	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		58.1	Toluene	1000	µg/L	J	FMB Surface Water Well
FSP060	9/22/99		1	Toluene	1000	µg/L	U	Seepine Water Well
FSP061	9/22/99		1	Toluene	1000	µg/L	U	Seepine Water Well
FSP062	9/22/99		1	Toluene	1000	µg/L	U	Seepine Water Well
FSP063	9/22/99		1	Toluene	1000	µg/L	U	Seepine Water Well
FSP064	9/22/99		1	Toluene	1000	µg/L	U	Seepine Water Well
FSP065	9/22/99		50.9	Toluene	1000	µg/L		Seepine Water Well
FSP066	9/22/99		1	Toluene	1000	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP067	9/22/99		1	Toluene	1000	µg/L	U	Seepine Water Well
FSP068	9/22/99		1	Toluene	1000	µg/L	U	Seepine Water Well
FSP069	9/22/99		1	Toluene	1000	µg/L	U	Seepine Water Well
FSP070	9/22/99		15.1	Toluene	1000	µg/L		Seepine Water Well
FSP071	9/23/99		1	Toluene	1000	µg/L	U	Seepine Water Well
FSP072	9/23/99		1	Toluene	1000	µg/L	U	Seepine Water Well
HSP071	9/21/99		1	Toluene	1000	µg/L	U	Seepine Water Well
HSP097	9/23/99		1	Toluene	1000	µg/L	U	Seepine Water Well
FHB004	9/23/99		52.1	Toluene-d8		µg/L		Seepine Water Well
FHB005	9/23/99		55.8	Toluene-d8		µg/L		Seepine Water Well
FHB008	9/23/99		53.7	Toluene-d8		µg/L		Seepine Water Well
FHB012	5/3/99		48.5	Toluene-d8		µg/L		Seepine Surface Stream Water Well
FHB012	9/21/99		56.7	Toluene-d8		µg/L		Seepine Surface Stream Water Well
FHB013	5/3/99		45.2	Toluene-d8		µg/L		Seepine Water Well
FHB013	9/21/99		54.3	Toluene-d8		µg/L		Seepine Water Well
FHB014	5/3/99		48.6	Toluene-d8		µg/L		Seepine Water Well
FHB014	9/23/99		55.5	Toluene-d8		µg/L		Seepine Water Well
FHB016	5/3/99		47.6	Toluene-d8		µg/L		Seepine Water Well
FHB016	9/21/99		56.9	Toluene-d8		µg/L		Seepine Water Well
FHB017	5/3/99		47.6	Toluene-d8		µg/L		Seepine Water Well
FHB017	9/21/99		55.1	Toluene-d8		µg/L		Seepine Water Well
FHB018	5/3/99		46.4	Toluene-d8		µg/L		Seepine Water Well
FHB018	9/21/99		55	Toluene-d8		µg/L		Seepine Water Well
FHB019	5/3/99		46.3	Toluene-d8		µg/L		Seepine Water Well
FHB019	9/23/99		53.6	Toluene-d8		µg/L		Seepine Water Well
FHB020	5/3/99		47.8	Toluene-d8		µg/L		Seepine Water Well
FHB020	9/23/99		54.7	Toluene-d8		µg/L		Seepine Water Well
FHB022	5/3/99		47.5	Toluene-d8		µg/L		Seepine Water Well
FHB022	9/21/99		54.5	Toluene-d8		µg/L		Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB024	5/3/99		47.1	Toluene-d8		µg/L		Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		57.3	Toluene-d8		µg/L	J	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		54.5	Toluene-d8		µg/L		Seepine Surface Stream Water Well
FHB030	9/23/99		52.9	Toluene-d8		µg/L		Seepine Water Well
FMC002H	5/3/99		48.2	Toluene-d8		µg/L		FMB Surface Water Well
FMC002H	9/23/99		60.4	Toluene-d8		µg/L		FMB Surface Water Well
FSP060	9/22/99		54.4	Toluene-d8		µg/L		Seepine Water Well
FSP061	9/22/99		54	Toluene-d8		µg/L		Seepine Water Well
FSP062	9/22/99		53.8	Toluene-d8		µg/L		Seepine Water Well
FSP063	9/22/99		53.7	Toluene-d8		µg/L		Seepine Water Well
FSP064	9/22/99		54.4	Toluene-d8		µg/L		Seepine Water Well
FSP065	9/22/99		54.2	Toluene-d8		µg/L		Seepine Water Well
FSP066	9/22/99		53.8	Toluene-d8		µg/L		Seepine Water Well
FSP067	9/22/99		54.8	Toluene-d8		µg/L		Seepine Water Well
FSP068	9/22/99		53.5	Toluene-d8		µg/L		Seepine Water Well
FSP069	9/22/99		54.5	Toluene-d8		µg/L		Seepine Water Well
FSP070	9/22/99		55.3	Toluene-d8		µg/L		Seepine Water Well
FSP071	9/23/99		52.5	Toluene-d8		µg/L		Seepine Water Well
FSP072	9/23/99		55.9	Toluene-d8		µg/L		Seepine Water Well
HSP071	9/21/99		54.6	Toluene-d8		µg/L		Seepine Water Well
HSP097	9/23/99		51.5	Toluene-d8		µg/L		Seepine Water Well
FHB004	9/23/99		113000	Total dissolved solids		µg/L	J	Seepine Water Well
FHB008	9/23/99		40000	Total dissolved solids		µg/L	J	Seepine Water Well
FHB012	5/3/99		44000	Total dissolved solids		µg/L		Seepine Surface Stream Water Well
FHB012	9/21/99		29000	Total dissolved solids		µg/L		Seepine Surface Stream Water Well
FHB013	5/3/99		35000	Total dissolved solids		µg/L		Seepine Water Well
FHB013	9/21/99		91000	Total dissolved solids		µg/L		Seepine Water Well
FHB014	5/3/99		19000	Total dissolved solids		µg/L		Seepine Water Well
FHB014	9/23/99		26000	Total dissolved solids		µg/L	J	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB016	9/21/99		101000	Total dissolved solids		µg/L		Seepine Water Well
FHB017	5/3/99		47000	Total dissolved solids		µg/L		Seepine Water Well
FHB017	9/21/99		49000	Total dissolved solids		µg/L		Seepine Water Well
FHB018	5/3/99		48000	Total dissolved solids		µg/L		Seepine Water Well
FHB018	9/21/99		66000	Total dissolved solids		µg/L		Seepine Water Well
FHB019	5/3/99		51000	Total dissolved solids		µg/L		Seepine Water Well
FHB019	9/23/99		42000	Total dissolved solids		µg/L		J Seepine Water Well
FHB020	5/3/99		45000	Total dissolved solids		µg/L		Seepine Water Well
FHB022	5/3/99		26000	Total dissolved solids		µg/L		Seepine Water Well
FHB022	9/21/99		31000	Total dissolved solids		µg/L		J Seepine Water Well
FHB024	5/3/99		44000	Total dissolved solids		µg/L		Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		38000	Total dissolved solids		µg/L		Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		34000	Total dissolved solids		µg/L		Seepine Surface Stream Water Well
FHB030	9/23/99		41000	Total dissolved solids		µg/L		J Seepine Water Well
FMC002H	5/3/99		35000	Total dissolved solids		µg/L		FMB Surface Water Well
FMC002H	9/23/99		35000	Total dissolved solids		µg/L		J FMB Surface Water Well
FSP060	9/22/99		11000	Total dissolved solids		µg/L		J Seepine Water Well
FSP061	9/22/99		49000	Total dissolved solids		µg/L		J Seepine Water Well
FSP062	9/22/99		57000	Total dissolved solids		µg/L		J Seepine Water Well
FSP063	9/22/99		30000	Total dissolved solids		µg/L		J Seepine Water Well
FSP064	9/22/99		48000	Total dissolved solids		µg/L		J Seepine Water Well
FSP065	9/22/99		53000	Total dissolved solids		µg/L		J Seepine Water Well
FSP066	9/22/99		80000	Total dissolved solids		µg/L		J Seepine Water Well
FSP067	9/22/99		40000	Total dissolved solids		µg/L		J Seepine Water Well
FSP068	9/22/99		61000	Total dissolved solids		µg/L		J Seepine Water Well
FSP069	9/22/99		36000	Total dissolved solids		µg/L		J Seepine Water Well
FSP070	9/22/99		85000	Total dissolved solids		µg/L		J Seepine Water Well
FSP071	9/23/99		62000	Total dissolved solids		µg/L		J Seepine Water Well
FSP072	9/23/99		103000	Total dissolved solids		µg/L		J Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
HSP071	9/21/99		211000	Total dissolved solids		µg/L		Seepline Water Well
HSP097	9/23/99		101000	Total dissolved solids		µg/L		J Seepline Water Well
FHB004	9/23/99		58.8	Total organic halogens	100	µg/L		Seepline Water Well
FHB008	9/23/99		5.56	Total organic halogens	100	µg/L		J Seepline Water Well
FHB012	5/3/99		76.9	Total organic halogens	100	µg/L		Seepline Surface Stream Water Well
FHB012	9/21/99		86	Total organic halogens	100	µg/L		Seepline Surface Stream Water Well
FHB013	5/3/99		98.8	Total organic halogens	100	µg/L		Seepline Water Well
FHB013	9/21/99		22.3	Total organic halogens	100	µg/L		Seepline Water Well
FHB014	5/3/99		10	Total organic halogens	100	µg/L		U Seepline Water Well
FHB014	9/23/99		5.26	Total organic halogens	100	µg/L		J Seepline Water Well
FHB016	5/3/99		5.02	Total organic halogens	100	µg/L		J Seepline Water Well
FHB016	9/21/99		9.4	Total organic halogens	100	µg/L		J Seepline Water Well
FHB017	5/3/99		97.8	Total organic halogens	100	µg/L		J Seepline Water Well
FHB017	9/21/99		28.1	Total organic halogens	100	µg/L		Seepline Water Well
FHB018	5/3/99		46.1	Total organic halogens	100	µg/L		Seepline Water Well
FHB018	9/21/99	+	115	Total organic halogens	100	µg/L		Seepline Water Well
FHB019	5/3/99		43.9	Total organic halogens	100	µg/L		Seepline Water Well
FHB019	9/23/99		20.1	Total organic halogens	100	µg/L		Seepline Water Well
FHB020	5/3/99		16.9	Total organic halogens	100	µg/L		Seepline Water Well
FHB022	5/3/99		10	Total organic halogens	100	µg/L		U Seepline Water Well
FHB022	9/21/99		66.5	Total organic halogens	100	µg/L		Seepline Water Well
FHB024	5/3/99		6.48	Total organic halogens	100	µg/L		J Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		11.2	Total organic halogens	100	µg/L		U Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		61.7	Total organic halogens	100	µg/L		Seepline Surface Stream Water Well
FHB030	9/23/99		8.28	Total organic halogens	100	µg/L		J Seepline Water Well
FMC002H	5/3/99	+	109	Total organic halogens	100	µg/L		FMB Surface Water Well
FMC002H	9/23/99		88.9	Total organic halogens	100	µg/L		FMB Surface Water Well
FSP060	9/22/99		10	Total organic halogens	100	µg/L		J Seepline Water Well
FSP061	9/22/99	+	109	Total organic halogens	100	µg/L		Seepline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP062	9/22/99		25.4	Total organic halogens	100	µg/L		Seepine Water Well
FSP063	9/22/99		9.22	Total organic halogens	100	µg/L	J	Seepine Water Well
FSP064	9/22/99		24.3	Total organic halogens	100	µg/L		Seepine Water Well
FSP065	9/22/99		13.6	Total organic halogens	100	µg/L		Seepine Water Well
FSP066	9/22/99		7.18	Total organic halogens	100	µg/L	J	Seepine Water Well
FSP067	9/22/99	+	120	Total organic halogens	100	µg/L		Seepine Water Well
FSP068	9/22/99		38.8	Total organic halogens	100	µg/L		Seepine Water Well
FSP069	9/22/99		11.8	Total organic halogens	100	µg/L		Seepine Water Well
FSP070	9/22/99		56.4	Total organic halogens	100	µg/L		Seepine Water Well
FSP071	9/23/99		45.4	Total organic halogens	100	µg/L		Seepine Water Well
FSP072	9/23/99		23.7	Total organic halogens	100	µg/L		Seepine Water Well
HSP071	9/21/99		27	Total organic halogens	100	µg/L		Seepine Water Well
HSP097	9/23/99		11.9	Total organic halogens	100	µg/L		Seepine Water Well
FHB004	9/23/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepine Water Well
FHB005	9/23/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepine Water Well
FHB008	9/23/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepine Water Well
FHB012	5/3/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepine Water Well
FHB012	9/21/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepine Surface Stream Water Well
FHB013	9/21/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepine Water Well
FHB014	5/3/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepine Water Well
FHB014	9/23/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepine Water Well
FHB016	5/3/99		1	trans-1,2-Dichloroethylene	100	µg/L	JU	Seepine Water Well
FHB016	9/21/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepine Water Well
FHB017	5/3/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepine Water Well
FHB017	9/21/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepine Water Well
FHB018	5/3/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepine Water Well
FHB018	9/21/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepine Water Well
FHB019	5/3/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB019	9/23/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepiline Water Well
FHB020	5/3/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepiline Water Well
FHB020	9/23/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepiline Water Well
FHB022	5/3/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepiline Water Well
FHB022	9/21/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepiline Water Well
FHB024	5/3/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepiline Surface Stream Water Well
FHB030	9/23/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepiline Water Well
FMC002H	5/3/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		1	trans-1,2-Dichloroethylene	100	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepiline Water Well
FSP061	9/22/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepiline Water Well
FSP062	9/22/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepiline Water Well
FSP063	9/22/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepiline Water Well
FSP064	9/22/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepiline Water Well
FSP065	9/22/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepiline Water Well
FSP066	9/22/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepiline Water Well
FSP067	9/22/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepiline Water Well
FSP068	9/22/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepiline Water Well
FSP069	9/22/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepiline Water Well
FSP070	9/22/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepiline Water Well
FSP071	9/23/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepiline Water Well
FSP072	9/23/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepiline Water Well
HSP071	9/21/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepiline Water Well
HSP097	9/23/99		1	trans-1,2-Dichloroethylene	100	µg/L	U	Seepiline Water Well
FHB004	9/23/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepiline Water Well
FHB005	9/23/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepiline Water Well
FHB008	9/23/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepiline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB012	5/3/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FHB013	9/21/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FHB014	5/3/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FHB014	9/23/99		1	trans-1,3-Dichloropropene	20	µg/L	JU	Seepine Water Well
FHB016	5/3/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FHB016	9/21/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FHB017	5/3/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FHB017	9/21/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FHB018	5/3/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FHB018	9/21/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FHB019	5/3/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FHB019	9/23/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FHB020	5/3/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FHB020	9/23/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FHB022	5/3/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FHB022	9/21/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FHB024	5/3/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FHB024	9/23/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB030	9/23/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepine Surface Stream Water Well
FMC002H	5/3/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FMC002H	9/23/99		1	trans-1,3-Dichloropropene	20	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		1	trans-1,3-Dichloropropene	20	µg/L	U	FMB Surface Water Well
FSP061	9/22/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FSP062	9/22/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FSP063	9/22/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well
FSP064	9/22/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP065	9/22/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepline Water Well
FSP066	9/22/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepline Water Well
FSP067	9/22/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepline Water Well
FSP068	9/22/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepline Water Well
FSP069	9/22/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepline Water Well
FSP070	9/22/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepline Water Well
FSP071	9/23/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepline Water Well
FSP072	9/23/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepline Water Well
HSP071	9/21/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepline Water Well
HSP097	9/23/99		1	trans-1,3-Dichloropropene	20	µg/L	U	Seepline Water Well
FHB004	9/23/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepline Water Well
FHB005	9/23/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepline Water Well
FHB008	9/23/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepline Water Well
FHB012	5/3/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepline Surface Stream Water Well
FHB012	9/21/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepline Surface Stream Water Well
FHB013	5/3/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepline Water Well
FHB013	9/21/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepline Water Well
FHB014	5/3/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepline Water Well
FHB014	9/23/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	JU	Seepline Water Well
FHB016	5/3/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepline Water Well
FHB016	9/21/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepline Water Well
FHB017	5/3/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepline Water Well
FHB017	9/21/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepline Water Well
FHB018	5/3/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepline Water Well
FHB018	9/21/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepline Water Well
FHB019	5/3/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepline Water Well
FHB019	9/23/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepline Water Well
FHB020	5/3/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepline Water Well
FHB020	9/23/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB022	5/3/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepine Water Well
FHB022	9/21/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepine Water Well
FHB024	5/3/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepine Water Well
FMC002H	5/3/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepine Water Well
FSP061	9/22/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepine Water Well
FSP062	9/22/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepine Water Well
FSP063	9/22/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepine Water Well
FSP064	9/22/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepine Water Well
FSP065	9/22/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepine Water Well
FSP066	9/22/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepine Water Well
FSP067	9/22/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepine Water Well
FSP068	9/22/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepine Water Well
FSP069	9/22/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepine Water Well
FSP070	9/22/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepine Water Well
FSP071	9/23/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepine Water Well
FSP072	9/23/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepine Water Well
HSP071	9/21/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepine Water Well
HSP097	9/23/99		5	trans-1,4-Dichloro-2-butene	500	µg/L	U	Seepine Water Well
FHB004	9/23/99		1	Trichloroethylene	5	µg/L	U	Seepine Water Well
FHB005	9/23/99		1	Trichloroethylene	5	µg/L	U	Seepine Water Well
FHB008	9/23/99		1	Trichloroethylene	5	µg/L	U	Seepine Water Well
FHB012	5/3/99 +		67.6	Trichloroethylene	5	µg/L		Seepine Surface Stream Water Well
FHB012	9/21/99		24.4	Trichloroethylene	5	µg/L	J	Seepine Surface Stream Water Well
FHB013	5/3/99		1.27	Trichloroethylene	5	µg/L		Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB013	9/21/99		1.45	Trichloroethylene	5	µg/L		Seepine Water Well
FHB014	5/3/99		0.62	Trichloroethylene	5	µg/L	J	Seepine Water Well
FHB014	9/23/99		1	Trichloroethylene	5	µg/L	JU	Seepine Water Well
FHB016	5/3/99 +		50.1	Trichloroethylene	5	µg/L		Seepine Water Well
FHB016	9/21/99		1	Trichloroethylene	5	µg/L	U	Seepine Water Well
FHB017	5/3/99		1.6	Trichloroethylene	5	µg/L		Seepine Water Well
FHB017	9/21/99		1.37	Trichloroethylene	5	µg/L		Seepine Water Well
FHB018	5/3/99		3.67	Trichloroethylene	5	µg/L		Seepine Water Well
FHB018	9/21/99		4.67	Trichloroethylene	5	µg/L		Seepine Water Well
FHB019	5/3/99		1	Trichloroethylene	5	µg/L	U	Seepine Water Well
FHB019	9/23/99		1	Trichloroethylene	5	µg/L	U	Seepine Water Well
FHB020	5/3/99		1	Trichloroethylene	5	µg/L	U	Seepine Water Well
FHB020	9/23/99		1	Trichloroethylene	5	µg/L	U	Seepine Water Well
FHB022	5/3/99 +		14.8	Trichloroethylene	5	µg/L		Seepine Water Well
FHB022	9/21/99 +		15	Trichloroethylene	5	µg/L		Seepine Water Well
FHB024	5/3/99		1	Trichloroethylene	5	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		1	Trichloroethylene	5	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99 +		6.33	Trichloroethylene	5	µg/L		Seepine Surface Stream Water Well
FHB030	9/23/99		1	Trichloroethylene	5	µg/L	U	Seepine Water Well
FMC002H	5/3/99		1	Trichloroethylene	5	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		58.9	Trichloroethylene	5	µg/L	J	FMB Surface Water Well
FSP060	9/22/99		1	Trichloroethylene	5	µg/L	U	Seepine Water Well
FSP061	9/22/99		1	Trichloroethylene	5	µg/L	U	Seepine Water Well
FSP062	9/22/99		1	Trichloroethylene	5	µg/L	U	Seepine Water Well
FSP063	9/22/99		1	Trichloroethylene	5	µg/L	U	Seepine Water Well
FSP064	9/22/99		1	Trichloroethylene	5	µg/L	U	Seepine Water Well
FSP065	9/22/99 +		52.1	Trichloroethylene	5	µg/L		Seepine Water Well
FSP066	9/22/99		1	Trichloroethylene	5	µg/L	U	Seepine Water Well
FSP067	9/22/99		1	Trichloroethylene	5	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP068	9/22/99		1	Trichloroethylene	5	µg/L	U	Seepine Water Well
FSP069	9/22/99		1	Trichloroethylene	5	µg/L	U	Seepine Water Well
FSP070	9/22/99		1	Trichloroethylene	5	µg/L	U	Seepine Water Well
FSP071	9/23/99		1	Trichloroethylene	5	µg/L	U	Seepine Water Well
FSP072	9/23/99		1	Trichloroethylene	5	µg/L	U	Seepine Water Well
HSP071	9/21/99		1	Trichloroethylene	5	µg/L	U	Seepine Water Well
HSP097	9/23/99		1	Trichloroethylene	5	µg/L	U	Seepine Water Well
FHB004	9/23/99		5	Trichloroethylene	5	µg/L	U	Seepine Water Well
FHB005	9/23/99		5	Trichlorofluoromethane	20	µg/L	U	Seepine Water Well
FHB008	9/23/99		5	Trichlorofluoromethane	20	µg/L	U	Seepine Water Well
FHB012	5/3/99		5	Trichlorofluoromethane	20	µg/L	U	Seepine Water Well
FHB012	9/21/99		5	Trichlorofluoromethane	20	µg/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		5	Trichlorofluoromethane	20	µg/L	U	Seepine Surface Stream Water Well
FHB013	9/21/99		5	Trichlorofluoromethane	20	µg/L	U	Seepine Water Well
FHB014	5/3/99		5	Trichlorofluoromethane	20	µg/L	U	Seepine Water Well
FHB014	9/23/99		5	Trichlorofluoromethane	20	µg/L	JU	Seepine Water Well
FHB016	5/3/99		5	Trichlorofluoromethane	20	µg/L	U	Seepine Water Well
FHB016	9/21/99		5	Trichlorofluoromethane	20	µg/L	U	Seepine Water Well
FHB017	5/3/99		5	Trichlorofluoromethane	20	µg/L	U	Seepine Water Well
FHB017	9/21/99		5	Trichlorofluoromethane	20	µg/L	U	Seepine Water Well
FHB018	5/3/99		5	Trichlorofluoromethane	20	µg/L	U	Seepine Water Well
FHB018	9/21/99		5	Trichlorofluoromethane	20	µg/L	U	Seepine Water Well
FHB019	5/3/99		5	Trichlorofluoromethane	20	µg/L	U	Seepine Water Well
FHB019	9/23/99		5	Trichlorofluoromethane	20	µg/L	U	Seepine Water Well
FHB020	5/3/99		5	Trichlorofluoromethane	20	µg/L	U	Seepine Water Well
FHB020	9/23/99		5	Trichlorofluoromethane	20	µg/L	U	Seepine Water Well
FHB022	5/3/99		5	Trichlorofluoromethane	20	µg/L	U	Seepine Water Well
FHB022	9/21/99		5	Trichlorofluoromethane	20	µg/L	U	Seepine Water Well
FHB024	5/3/99		5	Trichlorofluoromethane	20	µg/L	U	Engineered Ditch Surface Stream Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB024	9/23/99		5	Trichlorofluoromethane	20	µg/L		Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		5	Trichlorofluoromethane	20	µg/L		U Seepine Surface Stream Water Well
FHB030	9/23/99		5	Trichlorofluoromethane	20	µg/L		U Seepine Water Well
FMC002H	5/3/99		5	Trichlorofluoromethane	20	µg/L		U FMB Surface Water Well
FMC002H	9/23/99		5	Trichlorofluoromethane	20	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		5	Trichlorofluoromethane	20	µg/L		U Seepine Water Well
FSP061	9/22/99		5	Trichlorofluoromethane	20	µg/L		U Seepine Water Well
FSP062	9/22/99		5	Trichlorofluoromethane	20	µg/L		U Seepine Water Well
FSP063	9/22/99		5	Trichlorofluoromethane	20	µg/L		U Seepine Water Well
FSP064	9/22/99		5	Trichlorofluoromethane	20	µg/L		U Seepine Water Well
FSP065	9/22/99		5	Trichlorofluoromethane	20	µg/L		U Seepine Water Well
FSP066	9/22/99		5	Trichlorofluoromethane	20	µg/L		U Seepine Water Well
FSP067	9/22/99		5	Trichlorofluoromethane	20	µg/L		U Seepine Water Well
FSP068	9/22/99		5	Trichlorofluoromethane	20	µg/L		U Seepine Water Well
FSP069	9/22/99		5	Trichlorofluoromethane	20	µg/L		U Seepine Water Well
FSP070	9/22/99		5	Trichlorofluoromethane	20	µg/L		U Seepine Water Well
FSP071	9/23/99		5	Trichlorofluoromethane	20	µg/L		U Seepine Water Well
FSP072	9/23/99		5	Trichlorofluoromethane	20	µg/L		U Seepine Water Well
HSP071	9/21/99		5	Trichlorofluoromethane	20	µg/L		U Seepine Water Well
HSP097	9/23/99		5	Trichlorofluoromethane	20	µg/L		U Seepine Water Well
ED01	7/15/99	+	81.11	Tritium	20	pCi/mL		Engineered Ditch Surface Stream Water Well
ED01	7/28/99	+	84.5	Tritium	20	pCi/mL		Engineered Ditch Surface Stream Water Well
ED01	8/20/99	+	56.6	Tritium	20	pCi/mL		Engineered Ditch Surface Stream Water Well
ED01	8/31/99	+	66.3	Tritium	20	pCi/mL		Engineered Ditch Surface Stream Water Well
ED01	9/20/99	+	90.9	Tritium	20	pCi/mL		Engineered Ditch Surface Stream Water Well
ED01	10/4/99	+	53	Tritium	20	pCi/mL		Engineered Ditch Surface Stream Water Well
ED01	10/18/99	+	73.8	Tritium	20	pCi/mL		Engineered Ditch Surface Stream Water Well
ED01	11/8/99	+	54.7	Tritium	20	pCi/mL		Engineered Ditch Surface Stream Water Well
ED01	11/22/99	+	53.9	Tritium	20	pCi/mL		Engineered Ditch Surface Stream Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
ED01	12/7/99	+	48.1	Tritium	20	pCi/mL		Engineered Ditch Surface Stream Water Well
FHB004	9/23/99		19.5	Tritium	20	pCi/mL		Seepine Water Well
FHB005	9/23/99	+	1070	Tritium	20	pCi/mL		Seepine Water Well
FHB008	9/23/99	+	195	Tritium	20	pCi/mL		Seepine Water Well
FHB012	5/3/99	+	14700	Tritium	20	pCi/mL		Seepine Surface Stream Water Well
FHB012	9/21/99	+	16900	Tritium	20	pCi/mL		Seepine Surface Stream Water Well
FHB013	5/3/99	+	1800	Tritium	20	pCi/mL		Seepine Water Well
FHB013	9/21/99	+	3400	Tritium	20	pCi/mL		Seepine Water Well
FHB014	5/3/99	+	108	Tritium	20	pCi/mL		Seepine Water Well
FHB014	9/23/99	+	91	Tritium	20	pCi/mL		Seepine Water Well
FHB016	5/3/99	+	227	Tritium	20	pCi/mL		Seepine Water Well
FHB016	9/21/99	+	3380	Tritium	20	pCi/mL		Seepine Water Well
FHB017	5/3/99	+	12200	Tritium	20	pCi/mL		Seepine Water Well
FHB017	9/21/99	+	8130	Tritium	20	pCi/mL		Seepine Water Well
FHB018	5/3/99	+	15500	Tritium	20	pCi/mL		Seepine Water Well
FHB018	9/21/99	+	10500	Tritium	20	pCi/mL		Seepine Water Well
FHB019	5/3/99	+	7770	Tritium	20	pCi/mL		Seepine Water Well
FHB019	9/23/99	+	3850	Tritium	20	pCi/mL		Seepine Water Well
FHB020	5/3/99		16.9	Tritium	20	pCi/mL		Seepine Water Well
FHB020	9/23/99		5.28	Tritium	20	pCi/mL		Seepine Water Well
FHB022	5/3/99	+	10800	Tritium	20	pCi/mL		Seepine Water Well
FHB022	9/21/99	+	11000	Tritium	20	pCi/mL		Seepine Water Well
FHB024	5/3/99		-0.0301	Tritium	20	pCi/mL		Seepine Water Well
FHB024	9/23/99		296	Tritium	20	pCi/mL		U Engineered Ditch Surface Stream Water Well
FHB026	7/15/99	+	11300	Tritium	20	pCi/mL		U Engineered Ditch Surface Stream Water Well
FHB026	7/28/99	+	13200	Tritium	20	pCi/mL		Seepine Surface Stream Water Well
FHB026	8/4/99	+	13100	Tritium	20	pCi/mL		Seepine Surface Stream Water Well
FHB026	8/20/99	+	11800	Tritium	20	pCi/mL		Seepine Surface Stream Water Well
FHB026	8/31/99	+	13000	Tritium	20	pCi/mL		Seepine Surface Stream Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB026	9/20/99	+	12500		Tritium	20 pCi/mL		Seepine Surface Stream Water Well
FHB026	9/21/99	+	12600		Tritium	20 pCi/mL		Seepine Surface Stream Water Well
FHB026	10/4/99	+	12900		Tritium	20 pCi/mL		Seepine Surface Stream Water Well
FHB026	10/18/99	+	12400		Tritium	20 pCi/mL		Seepine Surface Stream Water Well
FHB026	11/8/99	+	12600		Tritium	20 pCi/mL		Seepine Surface Stream Water Well
FHB026	11/22/99	+	12100		Tritium	20 pCi/mL		Seepine Surface Stream Water Well
FHB026	12/7/99	+	12200		Tritium	20 pCi/mL		Seepine Surface Stream Water Well
FHB030	9/23/99	+	73.5		Tritium	20 pCi/mL		Seepine Water Well
FM2B	1/5/99	+	71.8		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	1/19/99	+	58.4		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	2/3/99	+	60.4		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	2/17/99	+	73.5		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	3/2/99	+	66.1		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	3/16/99	+	60.9		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	3/30/99	+	56.4		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	4/14/99	+	52.9		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	4/27/99	+	53.6		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	5/11/99	+	67.7		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	5/25/99	+	63.1		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	6/8/99	+	60.1		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	6/22/99	+	45.5		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	7/7/99	+	45.5		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	7/15/99	+	30.3		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	7/20/99	+	46.8		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	7/28/99	+	63.7		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	8/4/99	+	71.2		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	8/17/99	+	55.2		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	8/20/99	+	51.8		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	8/31/99	+	47.5		Tritium	20 pCi/mL		FMB Surface Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FM2B	8/31/99	+	53.4		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	9/14/99	+	29.2		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	9/20/99	+	39.7		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	9/28/99	+	44.8		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	10/4/99	+	31.7		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	10/12/99	+	29.6		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	10/18/99	+	30		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	10/26/99	+	37.6		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	11/8/99	+	43		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	11/9/99	+	41.5		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	11/22/99	+	37.6		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	11/22/99	+	44.9		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	12/7/99	+	41.7		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	12/7/99	+	41.7		Tritium	20 pCi/mL		FMB Surface Water Well
FM2B	12/17/99	+	41.2		Tritium	20 pCi/mL		FMB Surface Water Well
FM3A	1/5/99	+	1390		Tritium	20 pCi/mL		FMB Surface Water Well
FM3A	1/19/99	+	1290		Tritium	20 pCi/mL		FMB Tributary Surface Water Well
FM3A	2/3/99	+	1440		Tritium	20 pCi/mL		FMB Tributary Surface Water Well
FM3A	2/17/99	+	1290		Tritium	20 pCi/mL		FMB Tributary Surface Water Well
FM3A	3/2/99	+	1180		Tritium	20 pCi/mL		FMB Tributary Surface Water Well
FM3A	3/16/99	+	1100		Tritium	20 pCi/mL		FMB Tributary Surface Water Well
FM3A	3/30/99	+	960		Tritium	20 pCi/mL		FMB Tributary Surface Water Well
FM3A	4/14/99	+	1690		Tritium	20 pCi/mL		FMB Tributary Surface Water Well
FM3A	4/27/99	+	1010		Tritium	20 pCi/mL		FMB Tributary Surface Water Well
FM3A	5/11/99	+	1080		Tritium	20 pCi/mL		FMB Tributary Surface Water Well
FM3A	5/25/99	+	1030		Tritium	20 pCi/mL		FMB Tributary Surface Water Well
FM3A	6/8/99	+	1000		Tritium	20 pCi/mL		FMB Tributary Surface Water Well
FM3A	6/22/99	+	1000		Tritium	20 pCi/mL		FMB Tributary Surface Water Well
FM3A	7/7/99	+	1020		Tritium	20 pCi/mL		FMB Tributary Surface Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FM3A	7/15/99	+	141	Tritium	20	pCi/mL		FMB Tributary Surface Water Well
FM3A	7/20/99	+	965	Tritium	20	pCi/mL		FMB Tributary Surface Water Well
FM3A	7/28/99	+	103	Tritium	20	pCi/mL		FMB Tributary Surface Water Well
FM3A	8/4/99	+	1100	Tritium	20	pCi/mL		FMB Tributary Surface Water Well
FM3A	8/17/99	+	1050	Tritium	20	pCi/mL		FMB Tributary Surface Water Well
FM3A	8/20/99	+	68.2	Tritium	20	pCi/mL		FMB Tributary Surface Water Well
FM3A	8/31/99	+	84.7	Tritium	20	pCi/mL		FMB Tributary Surface Water Well
FM3A	8/31/99	+	915	Tritium	20	pCi/mL		FMB Tributary Surface Water Well
FM3A	9/14/99	+	875	Tritium	20	pCi/mL		FMB Tributary Surface Water Well
FM3A	9/20/99	+	92.3	Tritium	20	pCi/mL		FMB Tributary Surface Water Well
FM3A	9/28/99	+	868	Tritium	20	pCi/mL		FMB Tributary Surface Water Well
FM3A	10/4/99	+	377	Tritium	20	pCi/mL		FMB Tributary Surface Water Well
FM3A	10/12/99	+	933	Tritium	20	pCi/mL		FMB Tributary Surface Water Well
FM3A	10/18/99	+	121	Tritium	20	pCi/mL		FMB Tributary Surface Water Well
FM3A	10/26/99	+	926	Tritium	20	pCi/mL		FMB Tributary Surface Water Well
FM3A	11/8/99	+	390	Tritium	20	pCi/mL		FMB Tributary Surface Water Well
FM3A	11/9/99	+	981	Tritium	20	pCi/mL		FMB Tributary Surface Water Well
FM3A	11/22/99	+	115	Tritium	20	pCi/mL		FMB Tributary Surface Water Well
FM3A	11/22/99	+	1080	Tritium	20	pCi/mL		FMB Tributary Surface Water Well
FM3A	12/7/99	+	82.7	Tritium	20	pCi/mL		FMB Tributary Surface Water Well
FM3A	12/7/99	+	1050	Tritium	20	pCi/mL		FMB Tributary Surface Water Well
FM3A	12/17/99	+	953	Tritium	20	pCi/mL		FMB Tributary Surface Water Well
FMC001H	7/28/99	+	25.8	Tritium	20	pCi/mL		FMB Surface Water Well
FMC001H	8/4/99	+	34.7	Tritium	20	pCi/mL		FMB Surface Water Well
FMC001H	8/20/99		13.2	Tritium	20	pCi/mL		FMB Surface Water Well
FMC001H	8/31/99	+	22.6	Tritium	20	pCi/mL		FMB Surface Water Well
FMC001H	9/20/99		13.5	Tritium	20	pCi/mL		FMB Surface Water Well
FMC001H	10/4/99		9.7	Tritium	20	pCi/mL		FMB Surface Water Well
FMC001H	10/18/99		7.43	Tritium	20	pCi/mL		FMB Surface Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FMC001H	11/8/99		14.4		Tritium	20 pCi/mL		FMB Surface Water Well
FMC001H	11/22/99		10.3		Tritium	20 pCi/mL		FMB Surface Water Well
FMC001H	12/7/99		6.08		Tritium	20 pCi/mL		FMB Surface Water Well
FMC002H	5/3/99	+	41.3		Tritium	20 pCi/mL		FMB Surface Water Well
FMC002H	7/15/99	+	640		Tritium	20 pCi/mL		FMB Surface Water Well
FMC002H	7/15/99	+	640		Tritium	20 pCi/mL		FMB Surface Water Well
FMC002H	7/28/99	+	857		Tritium	20 pCi/mL		FMB Surface Water Well
FMC002H	8/4/99	+	70.7		Tritium	20 pCi/mL		FMB Surface Water Well
FMC002H	8/20/99	+	79.3		Tritium	20 pCi/mL		FMB Surface Water Well
FMC002H	8/31/99	+	449		Tritium	20 pCi/mL		FMB Surface Water Well
FMC002H	9/20/99	+	729		Tritium	20 pCi/mL		FMB Surface Water Well
FMC002H	9/23/99	+	216		Tritium	20 pCi/mL		FMB Surface Water Well
FMC002H	10/4/99	+	746		Tritium	20 pCi/mL		FMB Surface Water Well
FMC002H	10/18/99	+	620		Tritium	20 pCi/mL		FMB Surface Water Well
FMC002H	11/8/99	+	822		Tritium	20 pCi/mL		FMB Surface Water Well
FMC002H	11/22/99	+	953		Tritium	20 pCi/mL		FMB Surface Water Well
FMC002H	12/7/99	+	717		Tritium	20 pCi/mL		FMB Surface Water Well
FSP060	9/22/99		6.6		Tritium	20 pCi/mL		Seepine Water Well
FSP061	9/22/99		5.92		Tritium	20 pCi/mL		Seepine Water Well
FSP062	9/22/99		7.93		Tritium	20 pCi/mL		Seepine Water Well
FSP063	9/22/99	+	374		Tritium	20 pCi/mL		Seepine Water Well
FSP064	9/22/99		5.85		Tritium	20 pCi/mL		Seepine Water Well
FSP065	9/22/99		7.97		Tritium	20 pCi/mL		Seepine Water Well
FSP066	9/22/99		7.41		Tritium	20 pCi/mL		Seepine Water Well
FSP067	9/22/99		10.9		Tritium	20 pCi/mL		Seepine Water Well
FSP068	9/22/99	+	47.1		Tritium	20 pCi/mL		Seepine Water Well
FSP069	9/22/99	+	448		Tritium	20 pCi/mL		Seepine Water Well
FSP070	9/22/99		12.7		Tritium	20 pCi/mL		Seepine Water Well
FSP071	9/23/99		3.26		Tritium	20 pCi/mL		Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP072	9/23/99		0.309		Tritium	20 pCi/mL	U	Seepine Water Well
HSP071	9/21/99	+	9670		Tritium	20 pCi/mL		Seepine Water Well
HSP097	9/23/99	+	2100		Tritium	20 pCi/mL		Seepine Water Well
OFD01	7/15/99	+	10100		Tritium	20 pCi/mL		Seepine Surface Stream Water Well
OFD01	7/28/99	+	11600		Tritium	20 pCi/mL		Seepine Surface Stream Water Well
OFD01	8/20/99	+	10200		Tritium	20 pCi/mL		Seepine Surface Stream Water Well
OFD01	8/31/99	+	11400		Tritium	20 pCi/mL		Seepine Surface Stream Water Well
OFD01	9/20/99	+	10900		Tritium	20 pCi/mL		Seepine Surface Stream Water Well
OFD01	10/4/99	+	11400		Tritium	20 pCi/mL		Seepine Surface Stream Water Well
OFD01	10/18/99	+	11000		Tritium	20 pCi/mL		Seepine Surface Stream Water Well
OFD01	11/8/99	+	11100		Tritium	20 pCi/mL		Seepine Surface Stream Water Well
OFD01	11/22/99	+	11000		Tritium	20 pCi/mL		Seepine Surface Stream Water Well
OFD01	12/7/99	+	11200		Tritium	20 pCi/mL		Seepine Surface Stream Water Well
OFD02	7/15/99	+	11200		Tritium	20 pCi/mL		Seepine Surface Stream Water Well
OFD02	7/28/99	+	13000		Tritium	20 pCi/mL		Seepine Surface Stream Water Well
OFD02	8/20/99	+	11900		Tritium	20 pCi/mL		Seepine Surface Stream Water Well
OFD02	8/31/99	+	13200		Tritium	20 pCi/mL		Seepine Surface Stream Water Well
OFD02	9/20/99	+	12500		Tritium	20 pCi/mL		Seepine Surface Stream Water Well
OFD02	10/4/99	+	12600		Tritium	20 pCi/mL		Seepine Surface Stream Water Well
OFD02	10/18/99	+	12500		Tritium	20 pCi/mL		Seepine Surface Stream Water Well
OFD02	11/8/99	+	12500		Tritium	20 pCi/mL		Seepine Surface Stream Water Well
OFD02	11/22/99	+	11900		Tritium	20 pCi/mL		Seepine Surface Stream Water Well
OFD02	12/7/99	+	12400		Tritium	20 pCi/mL		Seepine Surface Stream Water Well
FHB004	9/23/99		0.352	Uranium-233/234	13.8	pCi/L	J	Seepine Water Well
FHB008	9/23/99		0.141	Uranium-233/234	13.8	pCi/L	U	Seepine Water Well
FHB012	5/3/99		0.129	Uranium-233/234	13.8	pCi/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		0.145	Uranium-233/234	13.8	pCi/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		0.178	Uranium-233/234	13.8	pCi/L	U	Seepine Water Well
FHB013	9/21/99		0.0948	Uranium-233/234	13.8	pCi/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB014	5/3/99		0.0954	Uranium-233/234	13.8	pCi/L	U	Seepine Water Well
FHB014	9/23/99		0.572	Uranium-233/234	13.8	pCi/L	J	Seepine Water Well
FHB016	9/21/99		0.647	Uranium-233/234	13.8	pCi/L	J	Seepine Water Well
FHB017	5/3/99		0.062	Uranium-233/234	13.8	pCi/L	U	Seepine Water Well
FHB017	9/21/99		1.08	Uranium-233/234	13.8	pCi/L	J	Seepine Water Well
FHB018	5/3/99		1.29	Uranium-233/234	13.8	pCi/L	Seepine Water Well	Seepine Water Well
FHB018	9/21/99		0.875	Uranium-233/234	13.8	pCi/L	Seepine Water Well	Seepine Water Well
FHB019	5/3/99		0.061	Uranium-233/234	13.8	pCi/L	U	Seepine Water Well
FHB019	9/23/99		0.199	Uranium-233/234	13.8	pCi/L	U	Seepine Water Well
FHB020	5/3/99		0.161	Uranium-233/234	13.8	pCi/L	J	Seepine Water Well
FHB022	5/3/99		0.109	Uranium-233/234	13.8	pCi/L	U	Seepine Water Well
FHB022	9/21/99		0.0246	Uranium-233/234	13.8	pCi/L	U	Seepine Water Well
FHB024	5/3/99		0.09	Uranium-233/234	13.8	pCi/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		0.00898	Uranium-233/234	13.8	pCi/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		0.556	Uranium-233/234	13.8	pCi/L	U	Engineered Ditch Surface Stream Water Well
FHB030	9/23/99		0.00788	Uranium-233/234	13.8	pCi/L	J	Seepine Surface Stream Water Well
FMC002H	5/3/99		-0.00574	Uranium-233/234	13.8	pCi/L	U	Seepine Water Well
FMC002H	9/23/99		0.0101	Uranium-233/234	13.8	pCi/L	U	FMB Surface Water Well
FSP060	9/22/99		0.0983	Uranium-233/234	13.8	pCi/L	U	FMB Surface Water Well
FSP061	9/22/99		0.0365	Uranium-233/234	13.8	pCi/L	U	Seepine Water Well
FSP062	9/22/99		0.341	Uranium-233/234	13.8	pCi/L	U	Seepine Water Well
FSP063	9/22/99		-0.025	Uranium-233/234	13.8	pCi/L	U	Seepine Water Well
FSP064	9/22/99		0.364	Uranium-233/234	13.8	pCi/L	U	Seepine Water Well
FSP065	9/22/99		0.0302	Uranium-233/234	13.8	pCi/L	J	Seepine Water Well
FSP066	9/22/99		-0.0267	Uranium-233/234	13.8	pCi/L	U	Seepine Water Well
FSP067	9/22/99		0.0865	Uranium-233/234	13.8	pCi/L	U	Seepine Water Well
FSP068	9/22/99		0.0321	Uranium-233/234	13.8	pCi/L	U	Seepine Water Well
FSP069	9/22/99		0.246	Uranium-233/234	13.8	pCi/L	U	Seepine Water Well
FSP070	9/22/99		0.822	Uranium-233/234	13.8	pCi/L	J	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP071	9/23/99		0.0725	Uranium-233/234	13.8	pCi/L	U	Seepine Water Well
FSP072	9/23/99		0.0233	Uranium-233/234	13.8	pCi/L	U	Seepine Water Well
HSP071	9/21/99		0.0142	Uranium-233/234	13.8	pCi/L	U	Seepine Water Well
HSP097	9/23/99		0.545	Uranium-233/234	13.8	pCi/L	J	Seepine Water Well
FHB004	9/23/99		-0.00735	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FHB008	9/23/99		-0.0212	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FHB012	5/3/99		0.0749	Uranium-235	14.5	pCi/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		0.0273	Uranium-235	14.5	pCi/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		0.023	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FHB013	9/21/99		-0.000519	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FHB014	5/3/99		0.0201	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FHB014	9/23/99		0.0664	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FHB016	9/21/99		0.035	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FHB017	5/3/99		0.0311	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FHB017	9/21/99		0.063	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FHB018	5/3/99		0.127	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FHB018	9/21/99		0.113	Uranium-235	14.5	pCi/L	J	Seepine Water Well
FHB019	5/3/99		0.0709	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FHB019	9/23/99		0.0153	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FHB020	5/3/99		0.0104	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FHB022	5/3/99		0.0137	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FHB022	9/21/99		-0.000165	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FHB024	5/3/99		0.02	Uranium-235	14.5	pCi/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		0.0495	Uranium-235	14.5	pCi/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		0.0769	Uranium-235	14.5	pCi/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		0.0147	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FMC002H	5/3/99		0	Uranium-235	14.5	pCi/L	U	FMB Surface Water Well
FMC002H	9/23/99		-0.0346	Uranium-235	14.5	pCi/L	U	FMB Surface Water Well
FSP060	9/22/99		-0.0116	Uranium-235	14.5	pCi/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP061	9/22/99		-0.0209	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FSP062	9/22/99		-0.0272	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FSP063	9/22/99		-0.0125	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FSP064	9/22/99		-0.0339	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FSP065	9/22/99		-0.00958	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FSP066	9/22/99		0.0283	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FSP067	9/22/99		-0.0104	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FSP068	9/22/99		-0.0482	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FSP069	9/22/99		0.0318	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FSP070	9/22/99		0.0195	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FSP071	9/23/99		0.00114	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FSP072	9/23/99		0.016	Uranium-235	14.5	pCi/L	U	Seepine Water Well
HSP071	9/21/99		-0.0151	Uranium-235	14.5	pCi/L	U	Seepine Water Well
HSP097	9/23/99		0.0815	Uranium-235	14.5	pCi/L	U	Seepine Water Well
FHB004	9/23/99 +		20.2	Uranium-238	14.6	pCi/L	U	Seepine Water Well
FHB008	9/23/99		0.0376	Uranium-238	14.6	pCi/L	U	Seepine Water Well
FHB012	5/3/99		4.41	Uranium-238	14.6	pCi/L	U	Seepine Surface Stream Water Well
FHB012	9/21/99		0.0718	Uranium-238	14.6	pCi/L	U	Seepine Surface Stream Water Well
FHB013	5/3/99		0.067	Uranium-238	14.6	pCi/L	U	Seepine Water Well
FHB013	9/21/99		0.0251	Uranium-238	14.6	pCi/L	U	Seepine Water Well
FHB014	5/3/99		0.106	Uranium-238	14.6	pCi/L	U	Seepine Water Well
FHB014	9/23/99		0.397	Uranium-238	14.6	pCi/L	U	Seepine Water Well
FHB016	9/21/99		0.201	Uranium-238	14.6	pCi/L	J	Seepine Water Well
FHB017	5/3/99		0.347	Uranium-238	14.6	pCi/L	J	Seepine Water Well
FHB017	9/21/99 +		24.9	Uranium-238	14.6	pCi/L	U	Seepine Water Well
FHB018	5/3/99 +		17.5	Uranium-238	14.6	pCi/L	U	Seepine Water Well
FHB018	9/21/99		0.604	Uranium-238	14.6	pCi/L	U	Seepine Water Well
FHB019	5/3/99		0.231	Uranium-238	14.6	pCi/L	J	Seepine Water Well
FHB019	9/23/99		0.126	Uranium-238	14.6	pCi/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB020	5/3/99		0.166	Uranium-238	14.6	pCi/L	J Seepine Water Well	
FHB022	5/3/99		0.15	Uranium-238	14.6	pCi/L	U Seepine Water Well	
FHB022	9/21/99		0.0491	Uranium-238	14.6	pCi/L	U Seepine Water Well	
FHB024	5/3/99		0.035	Uranium-238	14.6	pCi/L	U Engineered Ditch Surface Stream Water Well	
FHB024	9/23/99		0.0146	Uranium-238	14.6	pCi/L	J Engineered Ditch Surface Stream Water Well	
FHB026	9/21/99		0.297	Uranium-238	14.6	pCi/L	J Seepine Surface Stream Water Well	
FHB030	9/23/99		0.00113	Uranium-238	14.6	pCi/L	U Seepine Water Well	
FMC002H	5/3/99		-0.00574	Uranium-238	14.6	pCi/L	U FMB Surface Water Well	
FMC002H	9/23/99		0.0187	Uranium-238	14.6	pCi/L	U FMB Surface Water Well	
FSP060	9/22/99		0.0384	Uranium-238	14.6	pCi/L	U Seepine Water Well	
FSP061	9/22/99		-0.0104	Uranium-238	14.6	pCi/L	U Seepine Water Well	
FSP062	9/22/99		0.142	Uranium-238	14.6	pCi/L	U Seepine Water Well	
FSP063	9/22/99		0.027	Uranium-238	14.6	pCi/L	U Seepine Water Well	
FSP064	9/22/99		0.0714	Uranium-238	14.6	pCi/L	U Seepine Water Well	
FSP065	9/22/99		0.0302	Uranium-238	14.6	pCi/L	U Seepine Water Well	
FSP066	9/22/99		0.0282	Uranium-238	14.6	pCi/L	U Seepine Water Well	
FSP067	9/22/99		0	Uranium-238	14.6	pCi/L	U Seepine Water Well	
FSP068	9/22/99		-0.0289	Uranium-238	14.6	pCi/L	U Seepine Water Well	
FSP069	9/22/99		0.135	Uranium-238	14.6	pCi/L	U Seepine Water Well	
FSP070	9/22/99	+	18.6	Uranium-238	14.6	pCi/L	U Seepine Water Well	
FSP071	9/23/99		0.00113	Uranium-238	14.6	pCi/L	U Seepine Water Well	
FSP072	9/23/99		0	Uranium-238	14.6	pCi/L	U Seepine Water Well	
HSP071	9/21/99		0.0368	Uranium-238	14.6	pCi/L	U Seepine Water Well	
HSP097	9/23/99		0.817	Uranium-238	14.6	pCi/L	U Seepine Water Well	
FHB004	9/23/99	+	526	Vanadium, total recoverable	133	µg/L	U Seepine Water Well	
FHB005	9/23/99		75.5	Vanadium, total recoverable	133	µg/L	U Seepine Water Well	
FHB008	9/23/99		2.93	Vanadium, total recoverable	133	µg/L	J Seepine Water Well	
FHB012	5/3/99		5	Vanadium, total recoverable	133	µg/L	U Seepine Surface Stream Water Well	
FHB012	9/21/99		5	Vanadium, total recoverable	133	µg/L	U Seepine Surface Stream Water Well	

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB013	5/3/99		43.2	Vanadium, total recoverable	133	µg/L		Seepine Water Well
FHB013	9/21/99		3.29	Vanadium, total recoverable	133	µg/L		J Seepine Water Well
FHB014	5/3/99		2.22	Vanadium, total recoverable	133	µg/L		J Seepine Water Well
FHB014	9/23/99		5	Vanadium, total recoverable	133	µg/L		U Seepine Water Well
FHB016	5/3/99 +		363	Vanadium, total recoverable	133	µg/L		Seepine Water Well
FHB016	9/21/99 +		1060	Vanadium, total recoverable	133	µg/L		Seepine Water Well
FHB017	5/3/99		124	Vanadium, total recoverable	133	µg/L		Seepine Water Well
FHB017	9/21/99 +		1100	Vanadium, total recoverable	133	µg/L		Seepine Water Well
FHB018	5/3/99 +		1050	Vanadium, total recoverable	133	µg/L		Seepine Water Well
FHB018	9/21/99 +		183	Vanadium, total recoverable	133	µg/L		Seepine Water Well
FHB019	5/3/99		2.79	Vanadium, total recoverable	133	µg/L		J Seepine Water Well
FHB019	9/23/99		3.8	Vanadium, total recoverable	133	µg/L		J Seepine Water Well
FHB020	5/3/99 +		445	Vanadium, total recoverable	133	µg/L		J Seepine Water Well
FHB020	9/23/99 +		426	Vanadium, total recoverable	133	µg/L		Seepine Water Well
FHB022	5/3/99		2.7	Vanadium, total recoverable	133	µg/L		Seepine Water Well
FHB022	9/21/99		5	Vanadium, total recoverable	133	µg/L		J Seepine Water Well
FHB024	5/3/99		1.7	Vanadium, total recoverable	133	µg/L		U Seepine Water Well
FHB024	9/23/99		1.73	Vanadium, total recoverable	133	µg/L		J Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		5	Vanadium, total recoverable	133	µg/L		U Engineered Ditch Surface Stream Water Well
FHB030	9/23/99		0.709	Vanadium, total recoverable	133	µg/L		U Seepine Surface Stream Water Well
FMC002H	5/3/99		1.27	Vanadium, total recoverable	133	µg/L		J Seepine Water Well
FMC002H	9/23/99		3.72	Vanadium, total recoverable	133	µg/L		J FMB Surface Water Well
FSP060	9/22/99		3.68	Vanadium, total recoverable	133	µg/L		J FMB Surface Water Well
FSP061	9/22/99		1.93	Vanadium, total recoverable	133	µg/L		J Seepine Water Well
FSP062	9/22/99		7.16	Vanadium, total recoverable	133	µg/L		J Seepine Water Well
FSP063	9/22/99		5	Vanadium, total recoverable	133	µg/L		Seepine Water Well
FSP064	9/22/99		9.22	Vanadium, total recoverable	133	µg/L		U Seepine Water Well
FSP065	9/22/99		1.47	Vanadium, total recoverable	133	µg/L		Seepine Water Well
FSP066	9/22/99		5.42	Vanadium, total recoverable	133	µg/L		J Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP067	9/22/99		1.35	Vanadium, total recoverable	133	µg/L	J	Seepline Water Well
FSP068	9/22/99		2.47	Vanadium, total recoverable	133	µg/L	J	Seepline Water Well
FSP069	9/22/99		5	Vanadium, total recoverable	133	µg/L	J	Seepline Water Well
FSP070	9/22/99		16	Vanadium, total recoverable	133	µg/L		Seepline Water Well
FSP071	9/23/99		4.05	Vanadium, total recoverable	133	µg/L	J	Seepline Water Well
FSP072	9/23/99		15.5	Vanadium, total recoverable	133	µg/L		Seepline Water Well
HSP071	9/21/99		15	Vanadium, total recoverable	133	µg/L		Seepline Water Well
HSP097	9/23/99		105	Vanadium, total recoverable	133	µg/L		Seepline Water Well
FHB004	9/23/99		5	Vinyl acetate	100	µg/L	U	Seepline Water Well
FHB005	9/23/99		5	Vinyl acetate	100	µg/L	U	Seepline Water Well
FHB008	9/23/99		5	Vinyl acetate	100	µg/L	U	Seepline Water Well
FHB012	5/3/99		5	Vinyl acetate	100	µg/L	U	Seepline Surface Stream Water Well
FHB012	9/21/99		5	Vinyl acetate	100	µg/L	U	Seepline Surface Stream Water Well
FHB013	5/3/99		5	Vinyl acetate	100	µg/L	U	Seepline Water Well
FHB013	9/21/99		5	Vinyl acetate	100	µg/L	U	Seepline Water Well
FHB014	5/3/99		5	Vinyl acetate	100	µg/L	U	Seepline Water Well
FHB014	9/23/99		5	Vinyl acetate	100	µg/L	JU	Seepline Water Well
FHB016	5/3/99		5	Vinyl acetate	100	µg/L	U	Seepline Water Well
FHB016	9/21/99		5	Vinyl acetate	100	µg/L	U	Seepline Water Well
FHB017	5/3/99		5	Vinyl acetate	100	µg/L	U	Seepline Water Well
FHB017	9/21/99		5	Vinyl acetate	100	µg/L	U	Seepline Water Well
FHB018	5/3/99		5	Vinyl acetate	100	µg/L	U	Seepline Water Well
FHB018	9/21/99		5	Vinyl acetate	100	µg/L	U	Seepline Water Well
FHB019	5/3/99		5	Vinyl acetate	100	µg/L	U	Seepline Water Well
FHB019	9/23/99		5	Vinyl acetate	100	µg/L	U	Seepline Water Well
FHB020	5/3/99		5	Vinyl acetate	100	µg/L	U	Seepline Water Well
FHB020	9/23/99		5	Vinyl acetate	100	µg/L	U	Seepline Water Well
FHB022	5/3/99		5	Vinyl acetate	100	µg/L	U	Seepline Water Well
FHB022	9/21/99		5	Vinyl acetate	100	µg/L	U	Seepline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB024	5/3/99		5	Vinyl acetate	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		5	Vinyl acetate	100	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		5	Vinyl acetate	100	µg/L	U	Seepiline Surface Stream Water Well
FHB030	9/23/99		5	Vinyl acetate	100	µg/L	U	Seepiline Water Well
FMC002H	5/3/99		5	Vinyl acetate	100	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		5	Vinyl acetate	100	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		5	Vinyl acetate	100	µg/L	U	Seepiline Water Well
FSP061	9/22/99		5	Vinyl acetate	100	µg/L	U	Seepiline Water Well
FSP062	9/22/99		5	Vinyl acetate	100	µg/L	U	Seepiline Water Well
FSP063	9/22/99		5	Vinyl acetate	100	µg/L	U	Seepiline Water Well
FSP064	9/22/99		5	Vinyl acetate	100	µg/L	U	Seepiline Water Well
FSP065	9/22/99		5	Vinyl acetate	100	µg/L	U	Seepiline Water Well
FSP066	9/22/99		5	Vinyl acetate	100	µg/L	U	Seepiline Water Well
FSP067	9/22/99		5	Vinyl acetate	100	µg/L	U	Seepiline Water Well
FSP068	9/22/99		5	Vinyl acetate	100	µg/L	U	Seepiline Water Well
FSP069	9/22/99		5	Vinyl acetate	100	µg/L	U	Seepiline Water Well
FSP070	9/22/99		5	Vinyl acetate	100	µg/L	U	Seepiline Water Well
FSP071	9/23/99		5	Vinyl acetate	100	µg/L	U	Seepiline Water Well
FSP072	9/23/99		5	Vinyl acetate	100	µg/L	U	Seepiline Water Well
HSP071	9/21/99		5	Vinyl acetate	100	µg/L	U	Seepiline Water Well
HSP097	9/23/99		5	Vinyl acetate	100	µg/L	U	Seepiline Water Well
FHB004	9/23/99		2	Xylenes	10000	µg/L	U	Seepiline Water Well
FHB005	9/23/99		2	Xylenes	10000	µg/L	U	Seepiline Water Well
FHB008	9/23/99		2	Xylenes	10000	µg/L	U	Seepiline Water Well
FHB012	5/3/99		2	Xylenes	10000	µg/L	U	Seepiline Surface Stream Water Well
FHB012	9/21/99		2	Xylenes	10000	µg/L	U	Seepiline Surface Stream Water Well
FHB013	5/3/99		2	Xylenes	10000	µg/L	U	Seepiline Water Well
FHB013	9/21/99		2	Xylenes	10000	µg/L	U	Seepiline Water Well
FHB014	5/3/99		2	Xylenes	10000	µg/L	U	Seepiline Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB014	9/23/99		2	Xylenes	10000	µg/L	JU	Seepine Water Well
FHB016	5/3/99		2	Xylenes	10000	µg/L	U	Seepine Water Well
FHB016	9/21/99		2	Xylenes	10000	µg/L	U	Seepine Water Well
FHB017	5/3/99		2	Xylenes	10000	µg/L	U	Seepine Water Well
FHB017	9/21/99		2	Xylenes	10000	µg/L	U	Seepine Water Well
FHB018	5/3/99		2	Xylenes	10000	µg/L	U	Seepine Water Well
FHB018	9/21/99		2	Xylenes	10000	µg/L	U	Seepine Water Well
FHB019	5/3/99		2	Xylenes	10000	µg/L	U	Seepine Water Well
FHB019	9/23/99		2	Xylenes	10000	µg/L	U	Seepine Water Well
FHB020	5/3/99		2	Xylenes	10000	µg/L	U	Seepine Water Well
FHB020	9/23/99		2	Xylenes	10000	µg/L	U	Seepine Water Well
FHB022	5/3/99		2	Xylenes	10000	µg/L	U	Seepine Water Well
FHB022	9/21/99		2	Xylenes	10000	µg/L	U	Seepine Water Well
FHB024	5/3/99		2	Xylenes	10000	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		2	Xylenes	10000	µg/L	U	Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		2	Xylenes	10000	µg/L	U	Seepine Surface Stream Water Well
FHB030	9/23/99		2	Xylenes	10000	µg/L	U	Seepine Water Well
FMC002H	5/3/99		2	Xylenes	10000	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		2	Xylenes	10000	µg/L	JU	FMB Surface Water Well
FSP060	9/22/99		2	Xylenes	10000	µg/L	U	Seepine Water Well
FSP061	9/22/99		2	Xylenes	10000	µg/L	U	Seepine Water Well
FSP062	9/22/99		2	Xylenes	10000	µg/L	U	Seepine Water Well
FSP063	9/22/99		2	Xylenes	10000	µg/L	U	Seepine Water Well
FSP064	9/22/99		2	Xylenes	10000	µg/L	U	Seepine Water Well
FSP065	9/22/99		2	Xylenes	10000	µg/L	U	Seepine Water Well
FSP066	9/22/99		2	Xylenes	10000	µg/L	U	Seepine Water Well
FSP067	9/22/99		2	Xylenes	10000	µg/L	U	Seepine Water Well
FSP068	9/22/99		2	Xylenes	10000	µg/L	U	Seepine Water Well
FSP069	9/22/99		2	Xylenes	10000	µg/L	U	Seepine Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FSP070	9/22/99		2	Xylenes	10000	µg/L	U	Seepine Water Well
FSP071	9/23/99		2	Xylenes	10000	µg/L	U	Seepine Water Well
FSP072	9/23/99		2	Xylenes	10000	µg/L	U	Seepine Water Well
HSP071	9/21/99		2	Xylenes	10000	µg/L	U	Seepine Water Well
HSP097	9/23/99		2	Xylenes	10000	µg/L	U	Seepine Water Well
FHB004	9/23/99		617	Zinc, total recoverable	5000	µg/L		Seepine Water Well
FHB005	9/23/99		105	Zinc, total recoverable	5000	µg/L		Seepine Water Well
FHB008	9/23/99		102	Zinc, total recoverable	5000	µg/L		Seepine Water Well
FHB012	5/3/99		2.03	Zinc, total recoverable	5000	µg/L		Seepine Water Well
FHB012	9/21/99		5.43	Zinc, total recoverable	5000	µg/L	J	Seepine Surface Stream Water Well
FHB013	5/3/99		44.7	Zinc, total recoverable	5000	µg/L	U	Seepine Surface Stream Water Well
FHB013	9/21/99		24.6	Zinc, total recoverable	5000	µg/L		Seepine Water Well
FHB014	5/3/99		4.42	Zinc, total recoverable	5000	µg/L		Seepine Water Well
FHB014	9/23/99		3.03	Zinc, total recoverable	5000	µg/L	U	Seepine Water Well
FHB016	5/3/99		864	Zinc, total recoverable	5000	µg/L	JU	Seepine Water Well
FHB016	9/21/99		1270	Zinc, total recoverable	5000	µg/L		Seepine Water Well
FHB017	5/3/99		113	Zinc, total recoverable	5000	µg/L		Seepine Water Well
FHB017	9/21/99		1140	Zinc, total recoverable	5000	µg/L		Seepine Water Well
FHB018	5/3/99		1050	Zinc, total recoverable	5000	µg/L		Seepine Water Well
FHB018	9/21/99		212	Zinc, total recoverable	5000	µg/L		Seepine Water Well
FHB019	5/3/99		98.7	Zinc, total recoverable	5000	µg/L		Seepine Water Well
FHB019	9/23/99		31.5	Zinc, total recoverable	5000	µg/L		Seepine Water Well
FHB020	5/3/99		476	Zinc, total recoverable	5000	µg/L		Seepine Water Well
FHB020	9/23/99		500	Zinc, total recoverable	5000	µg/L		Seepine Water Well
FHB022	5/3/99		1.63	Zinc, total recoverable	5000	µg/L	J	Seepine Water Well
FHB022	9/21/99		9.73	Zinc, total recoverable	5000	µg/L	U	Seepine Water Well
FHB024	5/3/99		40.3	Zinc, total recoverable	5000	µg/L		Engineered Ditch Surface Stream Water Well
FHB024	9/23/99		62.1	Zinc, total recoverable	5000	µg/L		Engineered Ditch Surface Stream Water Well
FHB026	9/21/99		7.34	Zinc, total recoverable	5000	µg/L	U	Seepine Surface Stream Water Well

Sampling Location	Sample Date	"+" Above Flagging Criteria	Analytical Result	Analyte Name	Flagging Criteria	Units	Result Qualifier	Location Type
FHB030	9/23/99		53.9	Zinc, total recoverable	5000	µg/L		Seepine Water Well
FMC002H	5/3/99		9.7	Zinc, total recoverable	5000	µg/L	U	FMB Surface Water Well
FMC002H	9/23/99		31.7	Zinc, total recoverable	5000	µg/L		FMB Surface Water Well
FSP060	9/22/99		6.75	Zinc, total recoverable	5000	µg/L	U	Seepine Water Well
FSP061	9/22/99		105	Zinc, total recoverable	5000	µg/L		Seepine Water Well
FSP062	9/22/99		56	Zinc, total recoverable	5000	µg/L		Seepine Water Well
FSP063	9/22/99		16.9	Zinc, total recoverable	5000	µg/L		Seepine Water Well
FSP064	9/22/99		265	Zinc, total recoverable	5000	µg/L		Seepine Water Well
FSP065	9/22/99		328	Zinc, total recoverable	5000	µg/L		Seepine Water Well
FSP066	9/22/99		75.4	Zinc, total recoverable	5000	µg/L		Seepine Water Well
FSP067	9/22/99		11.3	Zinc, total recoverable	5000	µg/L	U	Seepine Water Well
FSP068	9/22/99		8.23	Zinc, total recoverable	5000	µg/L	U	Seepine Water Well
FSP069	9/22/99		29.9	Zinc, total recoverable	5000	µg/L		Seepine Water Well
FSP070	9/22/99		37.7	Zinc, total recoverable	5000	µg/L		Seepine Water Well
FSP071	9/23/99		166	Zinc, total recoverable	5000	µg/L		Seepine Water Well
FSP072	9/23/99		41.3	Zinc, total recoverable	5000	µg/L		Seepine Water Well
HSP071	9/21/99		15.9	Zinc, total recoverable	5000	µg/L		Seepine Water Well
HSP097	9/23/99		237	Zinc, total recoverable	5000	µg/L		Seepine Water Well

Note:

Results with "J", "L", "U", or "R" result qualifiers were considered "non decision data" and were not assigned a "+" if they exceeded the flagging criteria

Appendix F

Hydrographs (III E.H.11.b.ii)

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Hydrograph for Wells BGO 1

Hydrograph for Wells BGO 2

Hydrograph for Wells BGO 3

Hydrograph for Wells BGO 4

Hydrograph for Wells BGO 5

Hydrograph for Wells BGO 6

Hydrograph for Wells BGO 7

Hydrograph for Wells BGO 8

Hydrograph for Wells BGO 9

Hydrograph for Wells BGO10

Hydrograph for Wells BGO11

Hydrograph for Wells BGO12

Hydrograph for Wells BGO13

Hydrograph for Wells BGO14

Hydrograph for Wells BGO15

Hydrograph for Wells BGO16

Hydrograph for Wells BGO17

Hydrograph for Wells BGO18

Hydrograph for Wells BGO20

Hydrograph for Wells BGO21

Hydrograph for Wells BGO22

Hydrograph for Wells BGO23

Hydrograph for Wells BGO24

Hydrograph for Wells BGO25

Hydrograph for Wells BGO26

Hydrograph for Wells BGO28

Hydrograph for Wells BGO29

Hydrograph for Wells BGO30

Hydrograph for Wells BGO31C

Hydrograph for Wells BGO32

Hydrograph for Wells BGO33C

Hydrograph for Wells BGO34

Hydrograph for Wells BGO35C

Hydrograph for Wells BGO36

Hydrograph for Wells BGO38

Hydrograph for Wells BGO40

Hydrograph for Wells BGO41

Hydrograph for Wells BGO42

Hydrograph for Wells BGO43

Hydrograph for Wells BGO44

Hydrograph for Wells BGO45

Hydrograph for Wells BGO46

Hydrograph for Wells BGO48

Hydrograph for Wells BGO49

Hydrograph for Wells BGO50

Hydrograph for Wells BGO51

Hydrograph for Wells BGO52

Hydrograph for Wells BGO53

Hydrograph for Wells BGX 1

Hydrograph for Wells BGX 3

Hydrograph for Wells BGX 4

Hydrograph for Wells BGX 5

Hydrograph for Wells BGX 6

Hydrograph for Wells BGX 7

Hydrograph for Wells BGX 8

Hydrograph for Wells BGX 9

Hydrograph for Wells BGX10

Hydrograph for Wells BGX11

Hydrograph for Wells BGX12

Hydrograph for Wells BSE1C113

Hydrograph for Wells BSE1C159

Hydrograph for Wells BSE1D059

Hydrograph for Wells BSE1D098

Hydrograph for Wells BSE2C108

Hydrograph for Wells BSE2C154

Hydrograph for Wells BSE2D055

Hydrograph for Wells BSE2D094

Hydrograph for Wells BSE3C115

Hydrograph for Wells BSE3C161

Hydrograph for Wells BSE3D095

Hydrograph for Wells FSS 1

Hydrograph for Wells FSS 2

Hydrograph for Wells FSS 4

Hydrograph for Wells HMD 1

Hydrograph for Wells HMD 2

Hydrograph for Wells HMD 3

Hydrograph for Wells HMD 4

Hydrograph for Wells HSB85

Hydrograph for Wells HSB 142

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Appendix G

Tritium Time Series Plots (III.E.H.11.b.iii)

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Time Series Plot of Tritium for Well BGO 2

Time Series Plot of Tritium for Well BGO 3

Time Series Plot of Tritium for Well BGO 4

Time Series Plot of Tritium for Well BGO 5

Time Series Plot of Tritium for Well BGO 6

Time Series Plot of Tritium for Well BGO 8

Time Series Plot of Tritium for Well BGO10

Time Series Plot of Tritium for Well BGO11

Time Series Plot of Tritium for Well BGO12

Time Series Plot of Tritium for Well BGO14

Time Series Plot of Tritium for Well BGO16

Time Series Plot of Tritium for Well BGO18

Time Series Plot of Tritium for Well BGO20

Time Series Plot of Tritium for Well BGO22

Time Series Plot of Tritium for Well BGO24

Time Series Plot of Tritium for Well BGO26

Time Series Plot of Tritium for Well BGO27

Time Series Plot of Tritium for Well BGO30

Time Series Plot of Tritium for Well BGO32

Time Series Plot of Tritium for Well BGO34

Time Series Plot of Tritium for Well BGO36

Time Series Plot of Tritium for Well BGO38

Time Series Plot of Tritium for Well BGO40

Time Series Plot of Tritium for Well BGO42

Time Series Plot of Tritium for Well BGO44

Time Series Plot of Tritium for Well BGO46

Time Series Plot of Tritium for Well BGO48

Time Series Plot of Tritium for Well BGO50

Time Series Plot of Tritium for Well BGO52

Time Series Plot of Tritium for Well BGX 1

Time Series Plot of Tritium for Well BGX 3

Time Series Plot of Tritium for Well BGX 5

Time Series Plot of Tritium for Well BGX 7

Time Series Plot of Tritium for Well BGX 9

Time Series Plot of Tritium for Well BGX11

Time Series Plot of Tritium for Well BSE1C113

Time Series Plot of Tritium for Well BSE1C144

Time Series Plot of Tritium for Well BSE1D081

Time Series Plot of Tritium for Well BSE2C108

Time Series Plot of Tritium for Well BSE2C139

Time Series Plot of Tritium for Well BSE2D067

Time Series Plot of Tritium for Well BSE2D094

Time Series Plot of Tritium for Well BSE3C134

Time Series Plot of Tritium for Well BSE3C161

Time Series Plot of Tritium for Well BSE3D095

Time Series Plot of Tritium for Well FSS 2

Time Series Plot of Tritium for Well FSS 4

Time Series Plot of Tritium for Well HMD 2

Time Series Plot of Tritium for Well HMD 4

Time Series Plot of Tritium for Well HSB 142

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Time Series Plot of Tritium for OFED Seepage Location FHB005

Time Series Plot of Tritium for OFED Seep Line Location FHB013

Time Series Plot of Tritium for OFED Seep Line Location FHB015

Time Series Plot of Tritium for OFED Seep Line Location FHB017

Time Series Plot of Tritium for OFED Seep Line Location FHB018

Time Series Plot of Tritium for OFED Seep Line Location FHB019

Time Series Plot of Tritium for OFED Seep Line Location FHB021

Time Series Plot of Tritium for OFED Seep Line Location FHB022

Time Series Plot of Tritium for OFED Seep Line Location FHB023

Time Series Plot of Tritium for FMB Seep Line Location FSP061

Time Series Plot of Tritium for FMB Seep Line Location FSP062

Time Series Plot of Tritium for FMB Seep Line Location FSP063

Time Series Plot of Tritium for FMB Seepage Location FSP065

Time Series Plot of Tritium for FMB Seep Line Location FSP066

Time Series Plot of Tritium for FMB Seepage Location FSP067

Time Series Plot of Tritium for FMB Seep Line Location FSP069

Time Series Plot of Tritium for FMB Seep Line Location FSP071

Time Series Plot of Tritium for FMB Seep Line Location HSP064

Time Series Plot of Tritium for FMB Seep Line Location HSP092

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Time Series Plot of Tritium for ED Surface Water Location FHB024

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Time Series Plot of Tritium for FMB Surface Water Location FMC001

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Time Series Plot of Tritium for OFED Surface Water Location FHB026

Time Series Plot of Tritium for OFED Surface Water Location OFD-01

Time Series Plot of Tritium for OFED Surface Water Location OFD-02

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Appendix H

Trichloroethylene Time Series Plots (III E.H.b.iii)

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Time Series Plot of Trichloroethylene for Well BGO 1

Time Series Plot of Trichloroethylene for Well BGO 2

Time Series Plot of Trichloroethylene for Well BGO 3

Time Series Plot of Trichloroethylene for Well BGO 4

Time Series Plot of Trichloroethylene for Well BGO 6

Time Series Plot of Trichloroethylene for Well BGO 7

Time Series Plot of Trichloroethylene for Well BGO 8

Time Series Plot of Trichloroethylene for Well BGO 9

Time Series Plot of Trichloroethylene for Well BGO10

Time Series Plot of Trichloroethylene for Well BGO11

Time Series Plot of Trichloroethylene for Well BGO12

Time Series Plot of Trichloroethylene for Well BGO13

Time Series Plot of Trichloroethylene for Well BGO14

Time Series Plot of Trichloroethylene for Well BGO15

Time Series Plot of Trichloroethylene for Well BGO16

Time Series Plot of Trichloroethylene for Well BGO18

Time Series Plot of Trichloroethylene for Well BGO19

Time Series Plot of Trichloroethylene for Well BGO20

Time Series Plot of Trichloroethylene for Well BGO21

Time Series Plot of Trichloroethylene for Well BGO22

Time Series Plot of Trichloroethylene for Well BGO23

Time Series Plot of Trichloroethylene for Well BGO24

Time Series Plot of Trichloroethylene for Well BGO26

Time Series Plot of Trichloroethylene for Well BGO27

Time Series Plot of Trichloroethylene for Well BGO28

Time Series Plot of Trichloroethylene for Well BGO29

Time Series Plot of Trichloroethylene for Well BGO30

Time Series Plot of Trichloroethylene for Well BGO32

Time Series Plot of Trichloroethylene for Well BGO34

Time Series Plot of Trichloroethylene for Well BGO35

Time Series Plot of Trichloroethylene for Well BGO36

Time Series Plot of Trichloroethylene for Well BGO37

Time Series Plot of Trichloroethylene for Well BGO38

Time Series Plot of Trichloroethylene for Well BGO39

Time Series Plot of Trichloroethylene for Well BGO40

Time Series Plot of Trichloroethylene for Well BGO42

Time Series Plot of Trichloroethylene for Well BGO44

Time Series Plot of Trichloroethylene for Well BGO45

Time Series Plot of Trichloroethylene for Well BGO46

Time Series Plot of Trichloroethylene for Well BGO47

Time Series Plot of Trichloroethylene for Well BGO48

Time Series Plot of Trichloroethylene for Well BGO49

Time Series Plot of Trichloroethylene for Well BGO50

Time Series Plot of Trichloroethylene for Well BGO51

Time Series Plot of Trichloroethylene for Well BGO52

Time Series Plot of Trichloroethylene for Well BGO53

Time Series Plot of Trichloroethylene for Well BGX 1

Time Series Plot of Trichloroethylene for Well BGX 2

Time Series Plot of Trichloroethylene for Well BGX 3

Time Series Plot of Trichloroethylene for Well BGX 5

Time Series Plot of Trichloroethylene for Well BGX 6

Time Series Plot of Trichloroethylene for Well BGX 7

Time Series Plot of Trichloroethylene for Well BGX 9

Time Series Plot of Trichloroethylene for Well BGX10

Time Series Plot of Trichloroethylene for Well BGX11

Time Series Plot of Trichloroethylene for Well BGX12

Time Series Plot of Trichloroethylene for Well BSE1C113

Time Series Plot of Trichloroethylene for Well BSE1C144

Time Series Plot of Trichloroethylene for Well BSE1C159

Time Series Plot of Trichloroethylene for Well BSE1D081

Time Series Plot of Trichloroethylene for Well BSE2C108

Time Series Plot of Trichloroethylene for Well BSE2C127

Time Series Plot of Trichloroethylene for Well BSE2C139

Time Series Plot of Trichloroethylene for Well BSE2C154

Time Series Plot of Trichloroethylene for Well BSE2D067

Time Series Plot of Trichloroethylene for Well BSE2D077

Time Series Plot of Trichloroethylene for Well BSE2D094

Time Series Plot of Trichloroethylene for Well BSE3C115

Time Series Plot of Trichloroethylene for Well BSE3C134

Time Series Plot of Trichloroethylene for Well BSE3C146

Time Series Plot of Trichloroethylene for Well BSE3C161

Time Series Plot of Trichloroethylene for Well BSE3D082

Time Series Plot of Trichloroethylene for Well BSE3D095

Time Series Plot of Trichloroethylene for Well FSS 2

Time Series Plot of Trichloroethylene for Well FSS 3

Time Series Plot of Trichloroethylene for Well FSS 4

Time Series Plot of Trichloroethylene for Well HMD 1

Time Series Plot of Trichloroethylene for Well HMD 2

Time Series Plot of Trichloroethylene for Well HMD 3

Time Series Plot of Trichloroethylene for Well HMD 4

Time Series Plot of Trichloroethylene for Well HSB142

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Time Series Plot of Trichloroethylene for FMB Surface Water Location FMC001

Time Series Plot of Trichloroethylene for FMB Surface Water Location FMC002

Time Series Plot of Trichloroethylene for OFED Seepline Location FHB004

Time Series Plot of Trichloroethylene for OFED Seep Line Location FHB005

Time Series Plot of Trichloroethylene for OFED Seepline Location FHB008

Time Series Plot of Trichloroethylene for OFED Seep Line Location FHB012

Time Series Plot of Trichloroethylene for OFED Seep Line Location FHB013

Time Series Plot of Trichloroethylene for OFED Seep Line Location FHB014

Time Series Plot of Trichloroethylene for OFED Seep Line Location FHB016

Time Series Plot of Trichloroethylene for OFED Seepline Location FHB017

Time Series Plot of Trichloroethylene for OFED Seepline Location FHB018

Time Series Plot of Trichloroethylene for OFED Seep Line Location FHB019

Time Series Plot of Trichloroethylene for OFED Seep Line Location FHB020

Time Series Plot of Trichloroethylene for OFED Seep Line Location FHB022

Time Series Plot of Trichloroethylene for OFED Seep Line Location FHB023

Time Series Plot of Trichloroethylene for OFED Seep Line Location FHB026

Time Series Plot of Trichloroethylene for OFED Seep Line Location FHB030

Time Series Plot of Trichloroethylene for OFED Seep Line Location FSP060

Time Series Plot of Trichloroethylene for OFED Seepage Location FSP061

Time Series Plot of Trichloroethylene for OFED Seep Line Location FSP062

Time Series Plot of Trichloroethylene for OFED Seep Line Location FSP063

Time Series Plot of Trichloroethylene for OFED Seep Line Location FSP064

Time Series Plot of Trichloroethylene for OFED Seepage Location FSP065

Time Series Plot of Trichloroethylene for OFED Seepline Location FSP066

Time Series Plot of Trichloroethylene for OFED Seep Line Location FSP067

Time Series Plot of Trichloroethylene for OFED Seep Line Location FSP068

Time Series Plot of Trichloroethylene for OFED Seep Line Location FSP070

Time Series Plot of Trichloroethylene for OFED Seep Line Location FSP072

Time Series Plot of Trichloroethylene for OFED Seep Line Location HSP064

Time Series Plot of Trichloroethylene for OFED Seep Line Location HSP071

Time Series Plot of Trichloroethylene for OFED Seep Line Location HSP097

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Appendix I

GSA Large Scale Isoconcentration (TCE and H3) and Potentiometric Maps

(III E.H.11.b.iv and v)

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Appendix J

Isoconcentration (TCE and H3) Geologic Cross Sections (III E.H.11.b.vi)

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Appendix K

Statistical Plots (III.E.H.11.b.ix)

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Appendix L

Data Quality/Usability Assessment

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Data Quality/Usability Assessment

Quality assurance/quality control (QA/QC) procedures relating to accuracy and precision of analyses performed on groundwater samples are followed in the field and laboratory, and QC data are reviewed prior to publication of results. The review by the Environmental Protection Department/Environmental Monitoring Section (EPD/EMS) of the volume of analytical data acquired each quarter and presented in various reports is an ongoing process; EPD/EMS' review of the QC data cannot be completed in time to meet the deadlines for the groundwater monitoring reports required by the Resource Conservation and Recovery Act and associated regulations. Beginning first quarter 1996, the *Quality Control Samples* section of EMS' quarterly groundwater monitoring report contains detailed evaluation of the following indicators of data quality: precision, accuracy, representativeness, comparability, and completeness. Site and regulatory personnel can obtain further information on the data quality and usability in a variety of ways, including those described below.

Data Qualification

The contract laboratories continually assess their own accuracy and precision according to U.S. Environmental Protection Agency (EPA) guidelines. They submit sample- or batch-specific QC information either at the same time as analytical results or in quarterly summaries. Properly defined and used modifiers (also referred to as qualifiers) can be a key component in assessing data usability. Modifiers designed by EPA or EPD/EMS and used by the primary laboratories or EMS' data validators are presented in Appendix D.

Assessment of Accuracy of the Data

Accuracy, or the nearness of the reported result to the true concentration of a constituent in a sample, can be assessed in several ways.

A laboratory's general accuracy can be judged by evaluation of results obtained from known samples. The contract laboratories analyze commercial reference samples periodically at EPD/EMS' request. The results of these analyses from the nonradionuclide laboratories are presented in the EPD/EMS groundwater monitoring quarterly reports; the results from the radionuclide laboratories should be available on request from the laboratory subcontract representatives. The primary laboratories also seek or maintain state certification by participating periodically in performance studies. Reference samples and evaluation of results are provided by EPA. Results of these studies also are published in the EPD/EMS quarterly reports.

Analysis of blanks provides a tool for assessing the accuracy of both sampling and laboratory analysis. Results for all field blanks for the quarter can be found in the EPD/EMS quarterly reports. Any field or laboratory blanks that exceed established minimums are identified in the same reports, in tables associating them with groundwater samples analyzed in the same batches. In these regulatory reports, the modifier *V* is assigned to every detected result that is run in the same batch as a laboratory blank with positive results for that analyte. A *U* qualifier (reported as *less than* [*<*]) also is added if the analyte concentration is less than five times the concentration in the blank (or, for common laboratory contaminants, less than ten times).

Surrogates, organic compounds similar in chemical behavior to the compounds of interest but not normally found in environmental samples, are used to monitor the effect of the matrix on the accuracy of analyses for organic parameters. For example, for analyses of volatile organics by EPA Method 8240, three surrogate compounds are added to all samples and blanks in each analytical batch. In analyses of semivolatile organics by EPA Method 8270, three surrogates are required and an additional compound is advised for each fraction (acids and base/neutrals). Two surrogates are used in organochlorine pesticides analyses. Percent recoveries for surrogate analyses are calculated by laboratory personnel, reported to EPD/EMS, reviewed, and entered into the database. Beginning first quarter 1996, statistical summaries are published in the *Quality Control Samples*

section of the EPD/EMS quarterly groundwater monitoring report. If recoveries are not within specified limits, the laboratory is expected to reanalyze the samples or attach qualifiers to the data identifying the anomalous results.

Sample-specific accuracy for both organic and inorganic parameters can be assessed by examination of matrix spike/matrix spike duplicate results. A portion of the sample is analyzed unspiked to determine a baseline set of values. A second portion of the sample is spiked with known concentrations of compounds appropriate to the analyses being performed, typically five volatile organic compounds for volatile organics analyses, eleven semivolatile compounds for semivolatiles, six pesticide compounds for pesticides, all metals for metals analyses by SW-846 methods (EPA, 1986), and a known quantity of cyanide for cyanide analysis. The percentage of the spike compound that is recovered (i.e., measured in excess of the value obtained for the unspiked sample) is a direct measure of analytical accuracy. EPA requires matrix spike/matrix spike duplicates to be run at least once per 20 samples of similar matrix.

Matrix spike/matrix spike duplicate results are reported to EPD/EMS. Beginning first quarter 1996, spike results and a statistical summary are published in the *Quality Control Samples* section of the EPD/EMS quarterly groundwater monitoring report. For organic compounds, according to EPA guidelines, no action is taken on the basis of matrix spike/matrix spike duplicate data alone (i.e., no result modifiers are assigned solely on the basis of matrix spike results); however, the results can indicate if a laboratory is having a systemic problem in the analysis of one or more analytes.

In the case of inorganic compounds, such as metals, the matrix spike sample analysis provides information about the effect of each sample matrix on the digestion and measurement methodology. Data qualifiers assigned by the laboratories on the basis of the percentage of spike recovery are reported in the EPD/EMS results tables.

Assessment of Precision

Precision of the analyses, or agreement of a set of replicate results among themselves, is assessed through the use of duplicates initiated by the laboratory and blind replicates provided by EPD/EMS. The results of duplicate and replicate analyses are presented in results tables that report only one quarter of data. Results tables that include more than one quarter of data present only the highest result for each analyte for each quarter of the year.

The laboratories assess precision by calculating the relative percent difference (RPD) for each pair of laboratory-initiated duplicate results. The EMS data validators apply a data qualifier to the results of entire preparation batches of metals analyses when the RPD for laboratory duplicates is greater than 20 percent and either the difference between the two samples is greater than the contract-required detection limit (CRDL) or both sample results are greater than 5 times the CRDL. This qualifier is published in the EPD/EMS quarterly reports.

Additional statistical comparisons of laboratory duplicate and blind replicate results, both intra- and interlaboratory, are presented in the EPD/EMS quarterly reports. The calculation used for these reports is the mean relative difference (MRD), which is similar to EPA's RPD except that the MRD is the average of all the RPD values from one laboratory for each compound (intralaboratory MRD) or all the RPD values from all laboratories for each compound (interlaboratory MRD) during one quarter. Because detection limits may vary among samples, the MRD requires calculation of a reference detection limit, which is the detection limit at the 90th percentile of the array of limits in the population of all duplicate and replicate analyses for a given analyte during a particular quarter. The MRD is not method-specific.

Method-Specific Accuracy and Precision

The contract laboratories' EPA-approved laboratory procedures include QA/QC requirements as an integral part of the methods. Thus, knowledge of the method used in obtaining data is an important component of determining data usability. EPA has conducted extensive research and development on the methods approved for the analysis of water and wastewater. Information on the accuracy and

precision of a method is available from EPA publications, as is full information on required QA/QC procedures. A listing of the methods used by the primary laboratories during fourth quarter 1995 is given below, along with the source for the method description. Many, if not all, of these sources include presentations of representative accuracy and precision results. The EPD/EMS quarterly reports provide the methods used by the laboratories each quarter.

Table L-1. Methods Used by the Contract Laboratories

Method	Used to Analyze	Source
EICHROMTC1MOD ^a	Technetium isotopes	EiChrom Industries, Inc.; NA ^b
EMLAM01MOD	Americium, curium isotopes	DOE, 1992
EMLPU02MOD	Neptunium, plutonium isotopes	DOE, 1992
EMLSR02MOD	Strontium isotopes	DOE, 1992
EMLTH01MOD	Thorium isotopes	DOE, 1992
EMLU02MOD	Uranium isotopes	DOE, 1992
ENICMOD	Carbon-14	NA
EPA120.1	Specific conductance	EPA EMSL, 1983
EPA150.1	pH	EPA EMSL, 1983
EPA160.1	Total dissolved solids	EPA EMSL, 1983
EPA160.2	Total dissolved solids, total suspended solids	EPA EMSL, 1983
EPA180.1	Turbidity	EPA EMSL, 1983
EPA200.7	Metals	EPA EMSL, 1983
EPA245.1	Mercury	EPA EMSL, 1983
EPA300.0	Chloride, nitrite, sulfate, fluoride	EPA EMSL, 1983
EPA310.1	Alkalinity (as CaCO ₃)	EPA EMSL, 1983
EPA335.2	Cyanide	EPA EMSL, 1983
EPA335.3	Cyanide	EPA EMSL, 1983
EPA340.2	Fluoride	EPA EMSL, 1983
EPA350.1	Ammonia nitrogen	EPA EMSL, 1983
EPA350.3	Ammonia	EPA EMSL, 1983
EPA353.1	Nitrogen, nitrate-nitrite	EPA EMSL, 1983
EPA353.2	Nitrogen, nitrate, nitrite, or combined	EPA EMSL, 1983
EPA365.2	Phosphorus, all forms (reported as total phosphates)	EPA EMSL, 1983
EPA365.3	Phosphorus, all forms (reported as total phosphates)	EPA EMSL, 1983
EPA365.4	Phosphorus, all forms (reported as total phosphates)	EPA EMSL, 1983
EPA405.1	Five-day biochemical oxygen demand	EPA EMSL, 1983
EPA405.1/SM	Five-day biochemical oxygen demand	EPA EMSL, 1983
EPA410.4	Chemical oxygen demand	EPA EMSL, 1983
EPA415.1	Dissolved organic carbon, total inorganic carbon, total organic carbon	EPA EMSL, 1983

Method	Used to Analyze	Source
EPA418.1	Total petroleum hydrocarbons	EPA EMSL, 1983
EPA420.2	Phenols	EPA EMSL, 1983
EPA450.1	Total organic halogens	NA
EPA900.0MOD	Gross alpha, nonvolatile beta	EPA EMSL, 1980
EPA901.1MOD	Gamma PHA, iodine isotopes	EPA EMSL, 1980
EPA903.0MOD	Total alpha-emitting radium, radium isotopes	EPA EMSL, 1980
EPA904.0MOD	Radium isotopes	EPA EMSL, 1980
EPA906.0MOD	Tritium	EPA EMSL, 1980
EPA6010	Metals	EPA, 1986
EPA6010A	Metals	EPA, 1992
EPA7470	Mercury	EPA, 1986
EPA8080	Organochlorine pesticides and PCBs	EPA, 1986
EPA8150	Chlorinated herbicides	EPA, 1986
EPA8240	GCMS volatiles	EPA, 1986
EPA8260	GCMS volatiles	EPA, 1986
EPA8270	GCMS semivolatiles	EPA, 1986
EPA8280	Dioxins and furans	EPA, 1986
EPA9020A	Total organic halogens	EPA, 1986
EPA9020B	Total organic halogens	EPA, 1994b
EPA9060	Total inorganic carbon	EPA, 1986
EPIA-001 ^c	Gross alpha, nonvolatile beta	EP, 1996
EPIA-002 ^c	Tritium	EP, 1996
EPIA-003 ^c	Carbon-14	EP, 1996
EPIA-004 ^c	Strontium-90	EP, 1996
EPIA-005 ^c	Technetium-99	EP, 1996
EPIA-006 ^c	Iodine-129	EP, 1996
EPIA-008 ^c	Radium-226	EP, 1996
EPIA-009 ^c	Radium-228	EP, 1996
EPIA-010 ^c	Radium, total alpha-emitting	EP, 1996
EPIA-011 ^c	Americium, curium, uranium isotopes	EP, 1996
EPIA-012 ^c	Neptunium, plutonium, thorium isotopes	EP, 1996
EPIA-013 ^c	Gamma PHA	EP, 1996
EPIA-022 ^c	Nickel isotopes	EP, 1996
MMES16009MOD	Technetium-99	NA
3Q1-6-1420	Total activity, tritium	NA

^a MOD indicates modifications of applicable EPA, DOE, or other procedures.

^b NA = not available. Sources for some proprietary methods are not available.

^c The methods and detection limits used by GP are in-house methods based on applicable EPA, DOE, or other procedures. Complete method descriptions are available from GP.

Note: One of the labs reports the method for some metals determinations as CLP or CLP-MOD. This is presumed equivalent to Method 6010 or 6010A.

An example of method-specific QC information is that for EPA Method 8270 (EPA, 1986), which is used by both GE and Weston for analyses of semivolatile organics. The following table gives method-specific accuracy and precision as functions of concentration. Contract laboratories are expected to achieve or at least approach these limits.

Table E-2. Method Accuracy and Precision as Functions of Concentration for EPA Method 8270

Parameter	Accuracy, as recovery, $\bar{x}$ (µg/L)	Single analyst precision, s_r (µg/L)	Overall precision, S (µg/L)
Acenaphthene	0.96C+0.19	0.15X-0.12	0.21X-0.67
Acenaphthylene	0.89C+0.74	0.24X-1.06	0.26X-0.54
Aldrin	0.78C+1.66	0.27X-1.28	0.43X+1.13
Anthracene	0.80C+0.68	0.21X-0.32	0.27X-0.64
Benzo[a]anthracene	0.88C-0.60	0.15X+0.93	0.26X-0.21
Benzo[b]fluoranthene	0.93C-1.80	0.22X+0.43	0.29X+0.96
Benzo[k]fluoranthene	0.87C-1.56	0.19X+1.03	0.35X+0.40
Benzo[g,h,i]perylene	0.98C-0.86	0.29X+2.40	0.51X-0.44
Benzo[a]pyrene	0.90C-0.13	0.22X+0.48	0.32X+1.35
β-BHC	0.87C-0.94	0.20X-0.58	0.30X+1.94
δ-BHC	0.29C-1.09	0.34X+0.86	0.93X+0.17
Bis(2-chloroethoxy) methane	1.12C-5.04	0.16X+1.34	0.26X+2.01
Bis(2-chloroethyl) ether	0.86C-1.54	0.35X-0.99	0.35X+0.10
Bis(2-chloroisopropyl) ether	1.03C-2.31	0.24X+0.28	0.25X+1.04
Bis(2-ethylhexyl) phthalate	0.84C-1.18	0.26X+0.73	0.36X+0.67
4-Bromophenyl phenyl ether	0.91C-1.34	0.13X+0.66	0.16X+0.66
Butylbenzyl phthalate	0.66C-1.68	0.18X+0.94	0.53X+0.92
4-Chloro-m-cresol	0.84C+0.35	0.23X+0.75	0.29X+1.31
Chloroethane	0.99C-1.53	0.14X-0.13	0.17X-0.28
2-Chloronaphthalene	0.89C+0.01	0.07X+0.52	0.13X+0.34
2-Chlorophenol	0.78C+0.29	0.18X+1.46	0.28X+0.97
4-Chlorophenyl phenyl ether	0.91C+0.53	0.20X-0.94	0.30X-0.46
Chrysene	0.93C-1.00	0.28X+0.13	0.33X-0.09
p,p'-DDD	0.56C-0.40	0.29X-0.32	0.66X-0.96
p,p'-DDE	0.70C-0.54	0.26X-1.17	0.39X-1.04
p,p'-DDT	0.79C-3.28	0.42X+0.19	0.65X-0.58
Dibenz[a,h]anthracene	0.88C+4.72	0.30X+8.51	0.59X+0.25

Parameter	Accuracy, as recovery, x' (µg/L)	Single analyst precision, s_r' (µg/L)	Overall precision, S' (µg/L)
Di-n-butyl phthalate	0.59C+0.71	0.13X+1.16	0.39X+0.60
1,2-Dichlorobenzene	0.80C+0.28	0.20X+0.47	0.24X+0.39
1,3-Dichlorobenzene	0.86C-0.70	0.25X+0.68	0.41X+0.11
1,4-Dichlorobenzene	0.73C-1.47	0.24X+0.23	0.29X+0.36
3,3'-Dichlorobenzidine	1.23C-12.65	0.28X+7.33	0.47X+3.45
2,4-Dichlorophenol	0.87C-0.13	0.15X+1.25	0.21X+1.28
Dieldrin	0.82C-0.16	0.20X-0.16	0.26X-0.07
Diethyl phthalate	0.43C+1.00	0.28X+1.44	0.52X+0.22
2,4-Dimethyl phenol	0.71C+4.41	0.16X+1.21	0.22X+1.31
Dimethyl phthalate	0.20C+1.03	0.54X+0.19	1.05X-0.92
2,4-Dinitrophenol	0.81C-18.04	0.38X+2.36	0.42X+26.29
2,4-Dinitrotoluene	0.92C-4.81	0.12X+1.06	0.21X+1.50
2,6-Dinitrotoluene	1.06C-3.60	0.14X+1.26	0.19X+0.35
Di-n-octyl phthalate	0.76C-0.79	0.21X+1.19	0.37X+1.19
Endosulfan sulfate	0.39C+0.41	0.12X+2.47	0.63X-1.03
Endrin aldehyde	0.76C-3.86	0.18X+3.91	0.73X-0.62
Fluoranthene	0.81C+1.10	0.22X-0.73	0.28X-0.60
Fluorene	0.90C-0.00	0.12X+0.26	0.13X+0.61
Heptachlor	0.87C-2.97	0.24X-0.56	0.50X-0.23
Heptachlor epoxide	0.92C-1.87	0.33X-0.46	0.28X+0.64
Hexachlorobenzene	0.74C+0.66	0.18X-0.10	0.43X-0.52
Hexachlorobutadiene	0.71C-1.01	0.19X+0.92	0.26X+0.49
Hexachloroethane	0.73C-0.83	0.17X+0.67	0.17X+0.80
Indeno[1,2,3-c,d]pyrene	0.78C-3.10	0.29X+1.46	0.50X-0.44
Isophorone	1.12C+1.41	0.27X+0.77	0.33X+0.26
2-Methyl-4,6-dinitrophenol	1.04C-28.04	0.10X+42.29	0.26X+23.10
Naphthalene	0.76C+1.58	0.21X-0.41	0.30X-0.68
Nitrobenzene	1.09C-3.05	0.19X+0.92	0.27X+0.21
2-Nitrophenol	0.07C-1.15	0.16X+1.94	0.27X+2.60
4-Nitrophenol	0.61C-1.22	0.38X+2.57	0.44X+3.24
N-Nitrosodi-n-propylamine	1.12C-6.22	0.27X+0.68	0.44X+0.47
PCB 1260	0.81C-10.86	0.35X+3.61	0.43X+1.82
Pentachlorophenol	0.93C+1.99	0.24X+3.03	0.30X+4.33
Phenanthrene	0.87C+0.06	0.12X+0.57	0.15X+0.25
Phenol	0.43C+1.26	0.26X+0.73	0.35X+0.58
Pyrene	0.84C-0.16	0.16X+0.06	0.15X+0.31
1,2,4-Trichlorobenzene	0.94C-0.79	0.15X+0.85	0.21X+0.39

Parameter	Accuracy, as recovery, x' ($\mu\text{g/L}$)	Single analyst precision, s_r' ($\mu\text{g/L}$)	Overall precision, S' ($\mu\text{g/L}$)
2,4,6-Trichlorophenol	$0.91C-0.18$	$0.16X+2.22$	$0.22X+1.81$

x' = Expected recovery for one or more measurements of a sample containing a concentration of C , in $\mu\text{g/L}$.

s_r' = Expected single analyst standard deviation of measurements at an average concentration of X , in $\mu\text{g/L}$.

S' = Expected interlaboratory standard deviation of measurements at an average concentration of X , in $\mu\text{g/L}$.

C = True value for the concentration, in $\mu\text{g/L}$.

X = Average recovery found for measurements of samples containing a concentration of C , in $\mu\text{g/L}$.

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