APPENDIX C

ZONE 3 MONITORING DATA

APPENDIX C

ZONE 3 MONITORING DATA

Remedial action in Zone 3 has consisted of the operation of the Northeast Pump-back Wells (Wells 600, 608, 610, 613, and 672) and installation and operation of 12 Stage I Extraction Wells (Wells 701-703 and 705-713) in mid-1989 and 7 Stage II Extraction Wells (Wells 714-720) in mid-1991. Remedial action has been monitored since the third quarter of 1989 by measurement of ground water levels and ground water sampling and analyses at 19 Zone 3 monitoring wells (Wells 106 D, 9D, 517, 518, 504 B, 502 B, 501 B, 420, 411, EPA 18, EPA 17, EPA 15, EPA 14, EPA 13, EPA 12, EPA 11, EPA 9, EPA 3, and EPA 1). Well 126 was added to the monitoring program in the third quarter of 1990 to measure water levels in accordance with the requirements of the Nuclear Regulatory Commission (NRC) and the U.S. Environmental Protection Agency (EPA).

At the end of the 1993 operating year, the extraction and performance monitoring systems for Zone 3 were modified with the approval of the NRC and EPA. Modifications included discontinuing pumping at 10 low-producing extraction wells (Wells 600, 608, 610, 672, 702, 703, 705, 710, 712, and 713) and at two extraction wells that were intercepting background water (Wells 714 and 715). Water levels were measured at seven of these former extraction wells (Wells 608, 702, 703, 710, 712, 714, and 715) during 2000 to augment the existing monitoring system.

In July 1999, 10 additional low-producing extraction wells (Wells 613, 701, 706, 707, 708, 709, 711, 713, 719, and 720) were decommissioned with approval of the NRC and EPA. Several of these wells were converted to use as water-level and water-quality monitoring wells (Wells 613 and 711) or as water-level monitoring wells (713, 701, 706, 707 and 719).

Beginning with the second quarter of 2000, the revised monitoring program was implemented. This included using a revised set of monitoring wells and low-flow sampling procedures. The wells included in the monitoring program for the Zone 3 are listed in Table 3.2 of this report. Some changes to the well set used in the revised program were implemented in the second quarter of 2001, including installing a new well designated NBL-01. These changes are also listed in Table 3.2. See the enclosed figure for the current layout of the wells. Drilling and completion information for Well NBL-01 are included following this text.

Table C.1 presents the quarterly water level and water quality data for the monitoring wells from startup of the Stage I wells in the third quarter of 1989 through the third quarter of 2001. Table C.2

lists the water levels for wells that are monitoring only for water level. The Zone 3 ground water extraction system and declining recharge from the alluvium have resulted in dewatering a large portion of the Zone 3 Remedial Action Target Area, and consequently, many of the monitoring wells have gone dry since 1989. For these wells, water level and water quality data are presented for the period of time prior to their dewatering. Changes to data reported related to implementing the revised monitoring program are also reflected in Table C.1. The laboratory analytical data for 2001 are presented at the end of this appendix.

WELL NBL-01
DRILLING, GEOPHYSICAL AND COMPLETION LOGS

PROJECT 6988.885 TOC

HOLE SIZE 9 7/8" ☐ AIR ☐ W/ HOLE NO. NBL-1

ELEVATION 6984.385 GDL NORTH 77833.48 EAST 62115.83 LOGGED BY S.R. DATE 7-27-2001

SECTION 36 TOWNSHIP T17N RANGE R16W T.D. 204' P.D. 204'

ELECTRIC LOG	DEPTH	STRIP LOG		LITHOLOGY LOG
			Surface Casing	Lt. Brown Silty Soil w/ white SS, minor limonitic staining
	5			Lt. Brown Silty Soil w/ white SS, minor limonitic staining
	10	Circulation Loss - Hole Backwashing		Lt. Brown Silty Soil w/ white fine gr. Silty SS w/ limonitic staining minor coal
				Hole Blind + Backwashing
	15			white fine gr. Silty SS w/ limonitic staining minor Lt. Brown Silty Soil
	20			Lt. Tan fine gr. silty SS w/ minor limonitic staining
	25			Lt. Tan Silty SS + Lt. Brown Silty Soils
	30			Lt. Tan silty SS w/ minor coal + Lt. gray shale
	35			Lt. Tan Silty SS w/ Lt. Brown Silty Soil - Hole continues to backwash
				Sample Totally mixed along hole column
	40			White to Lt. Tan fine gr. silty SS w/ limonitic staining minor carb. shale + coal
	45			White to Lt. Tan fine gr. Silty SS w/ limonitic staining minor coal
	50			Lt. Tan fine gr. silty SS w/ limonitic staining minor coal + shale
	55			White to Lt. Tan fine gr. Silty SS w/ limonitic staining minor coal + shale
	60			
				Sample appears to be backwash debri
	65			Lt. Tan Silty SS w/ limonitic staining (moderate) minor shale + coal
	70			Lt. Tan to Gray Silty Shale and SS w/ limonitic staining
	75			Lt. Gray Silty Shale and fine gr. Silty SS some coal
				Oil Stained
	80	Oil		Lt. Gray Silty Shale and fine gr. Silty SS w/ some coal
				Oil stained
	85			Lt. Gray fine gr. Silty SS w/ minor Gray Shale
				Oil stained - Heavy
	90			Lt. Gray Silty shale w/ fine grained Silty SS
				Oil stained - Heavy
	95			Lt. Gray fine gr. Silty SS
				oil stained - Heavy
	100			Lt. Gray fine gr. Silty SS w/ coal + Lt. Gray Shale
				oil stained - moderate
	105			Lt. Gray Shale w/ coal + Lt. Gray fine gr. Silty SS
				oil stained - light
	110			

PROJECT _____ HOLE SIZE 9 7/8" ☐ AIR ☐ WP HOLE NO. NBL-1

ELEVATION _____ NORTH _____ EAST _____ LOGGED BY J.B. DATE 7-27-2001

SECTION 36 TOWNSHIP T17N RANGE R16W T.D. 204' P.D. 204'

2 of 2

ELECTRIC LOG	DEPTH	STRIP LOG		LITHOLOGY LOG
				Lt. Gray Shale and Coal w/ minor Lt. Gray fine gr. Silty SS
				Oil Stained - light
	115			Lt. Gray Shale + Lt. Gray fine gr. Silty SS w/ coal
				Oil Stain - very minor
	120			Lt. Gray fine gr. Silty SS w/ Lt. Gray Shale + Coal
				Oil Stain - light
	125			Lt. Gray fine gr. Silty SS w/ Lt. Gray Shale + Coal
				Oil Stain - moderate
	130			Lt. Gray fine gr. Silty SS w/ Coal + minor Lt. Gray Shale
				Oil stain - moderate to heavy
	135			Most of Sample Lost - Hole Blind - Mainly as described above
				Oil stain - heavy
	140			Small Sample - Hole Blind - Lt. Gray fine gr. Silty SS w/ coal + Shale
				Oil Stain - heavy Hole Blind 20% Return
	145			Small Sample - Hole Blind - Lt. Gray fine gr. Silty SS w/ coal + Shale
				Oil Stained - heavy Hole Blind 20% Return
	150			Lt. Gray to white Fine to Coarse gr. Qtz. SS w/ 1-2% Feldspar minor coal + Gray shale - Zone 3 Gallup ?? Oil Stained - heavy Hole Blind 30-40% Return
	155			Lt. Gray Shale w/ minor coal
				No Oil stains Hole Blind 20-30% Return
	160			Lt. Gray Shale + Coal
		Zone 3 Gallup	SS	No Oil Hole Blind 20-30% Return
	165			Lt. Gray fine gr. Silty SS + Fine to Coarse Lt. Gray to white Qtz SS w/ very minor oil spots
				Minor Coal + Lt. Gray Shale Hole Blind Return - 10%
	170			Sample Lost Hole Blind
	175			Sample Lost Hole Blind
	180			Lt. Gray Med to Coarse Qtz SS w/ 2-4% white Feldspar
				minor coal Hole is backwashing column contaminating samples Return
	185			Lt. Gray Med to Coarse Qtz SS w/ 2-4% white Feldspar some coal + Lt. Gray Sh
				Hole Healing Return 70-80%
	190			Lt. Gray Fine to Coarse Qtz SS w/ 1-2% white Feldspar minor coal + Lt. Gray Shale
				Hole Backwashing Return 50% column contaminating sample
	195			Same as previous Sample
	200			Heavy Coal Fragments - Lt. Gray Fine to Coarse Qtz SS w/ 2-4% white Feldspar
				Hole Backwashing very heavy hard to pick exact coal seam contact
	204	204'	TD	Some Zone 2 Lt. Gray to Dk. Gray Shale in Hole washing after advance stopped

Note: This hole had major circulation problems from approx. 15' to TD.

THIS PAGE IS AN OVERSIZED PAGE OF A GRAPH

THAT CAN BE VIEWED AT THE RECORD TITLED: "UNITED NUCLEAR CORP., NBL-1"

WITHIN THIS PACKAGE

NOTE: Because of this page's large file size, it may be more convenient to copy the file to a local drive and use the Imaging (Wang) viewer, which can be accessed from the Programs/Accessories menu.

THE JACHROCK

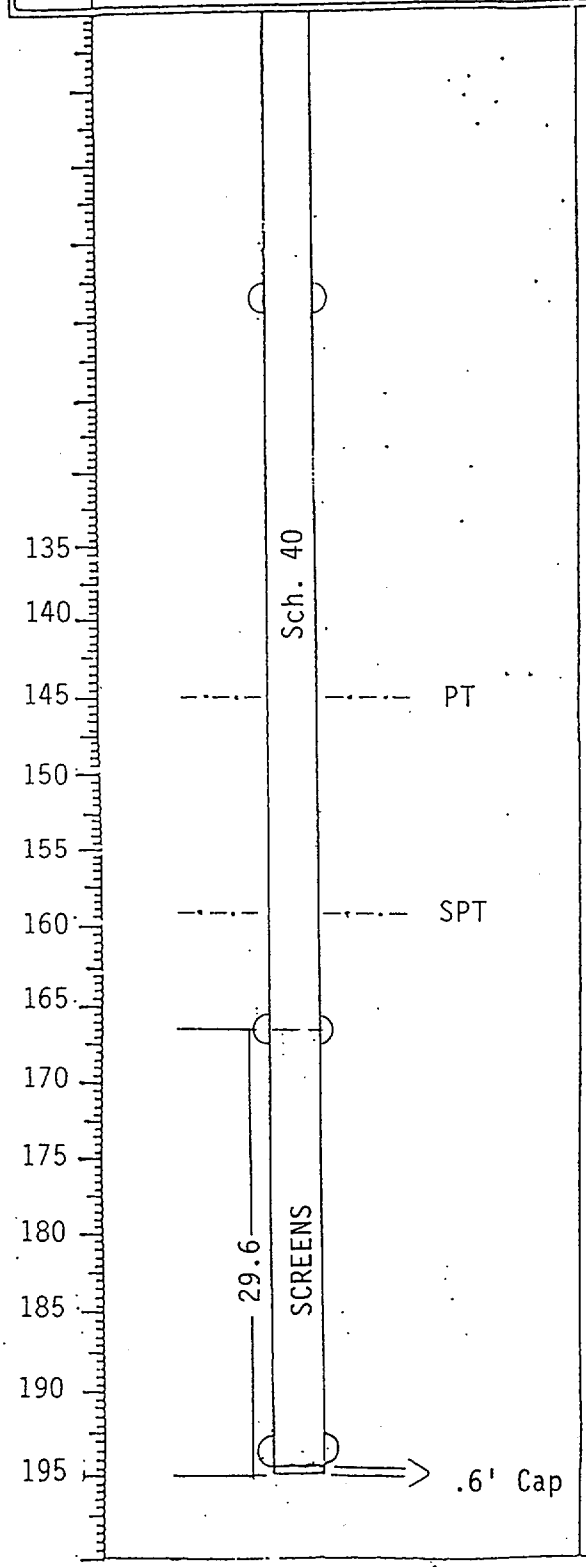
WATER WELL INSTALLATION

WELL NO. NBI-1

DATE DRILLED

LOCATION - SECTION 36 T17N R6W
COORDINATES - N77833.48 E62115.48
ELEVATIONS - GROUND 6984.385 TOP OF PIPE 6988.885
DEPTH DRILLED 204'
DEPTH CASED 196'
DEPTH TO WATER

DRILLER Boart Longyear
DRILLING METHOD Rotary
DRILLING MUD Water
GEOPHYSICAL LOGS E-Log, Gamma
DEVELOPMENT Water-wash Screens
Pumping



LITHOLOGY LOG

-Centralizer

PT- Pellet Top
SPT- Sand Pack Top 10X20 Sieve

WELL CONSTRUCTION & COMPLETION REPORT

Property Name Church Rock Site

Well Name NBL-1

Status or Function of Well as of 07/27/2001 (Date): Completed

Well Location: N 77,833.48 Driller Boart Longyear

E 62,115.83

Collar Elev. 6984.385

Cored Hole: Interval _____ Disposition _____

Geophysical Logs:

Natural Gamma	Yes
Resistance	Yes
Self Potential	Yes
Caliper	Yes
Spinner	No
Drift	No
Other	

Basic Well Construction:

Telescoping Screen	
Gravel Pack	Yes
Perforation	
Underreamed	
Cement Basket & Screen on Casing	
Open Hole	
Other	

Basic Lithology: Sandstones, Mudstones, Shales, Carbonaeous Shales, and Coal

Basic Mineralization: Minor Oil

Static Water Level: _____

Well Total Depth (or elevation)	6780.39'
Casing Depth (elevation)	6788.39'
Screen Interval (elevation)	6817.99' - 6788.99'
Perforated Interval	165.9' - 195.4'
Underreamed Interval	
Open Hole Interval	
Gravel Packed Interval	158.5' - 196'
Cemented Interval	
Location of Centralizers	118.7' - 166' - 195
Depth (or elevation) of packer	
Depth (or elevation) of wash plug	
Depth (or elevation) of bottom of screen string	195.4'
Depth (or elevation) of cement basket	

Hole: Method Rotary w/ Clear Water

Diameter 9 7/8" From 0' To 204'

From To

Fluid if Any Water Only

Casing: Material PVC Sch. 40 Aardvark

Dimensions

ID	4.454"
OD	4.950"
Joints	Flush W/ O-rings
Centralizers	5" opened to 10"

Cement: Method

Done By

Description of Mixture

Screen: Construction & Material Sch. 40 PVC

Nominal 5" ID 4.454" OD 4.95"

Length 10'
Slot Size .02"
Open Area/Ft 9.6 sq. in./ ft.
Other Material Associated with Screen Screw fitting W/O-rings all flush fit. Bottom Cap Screw type .6'

Peforations:

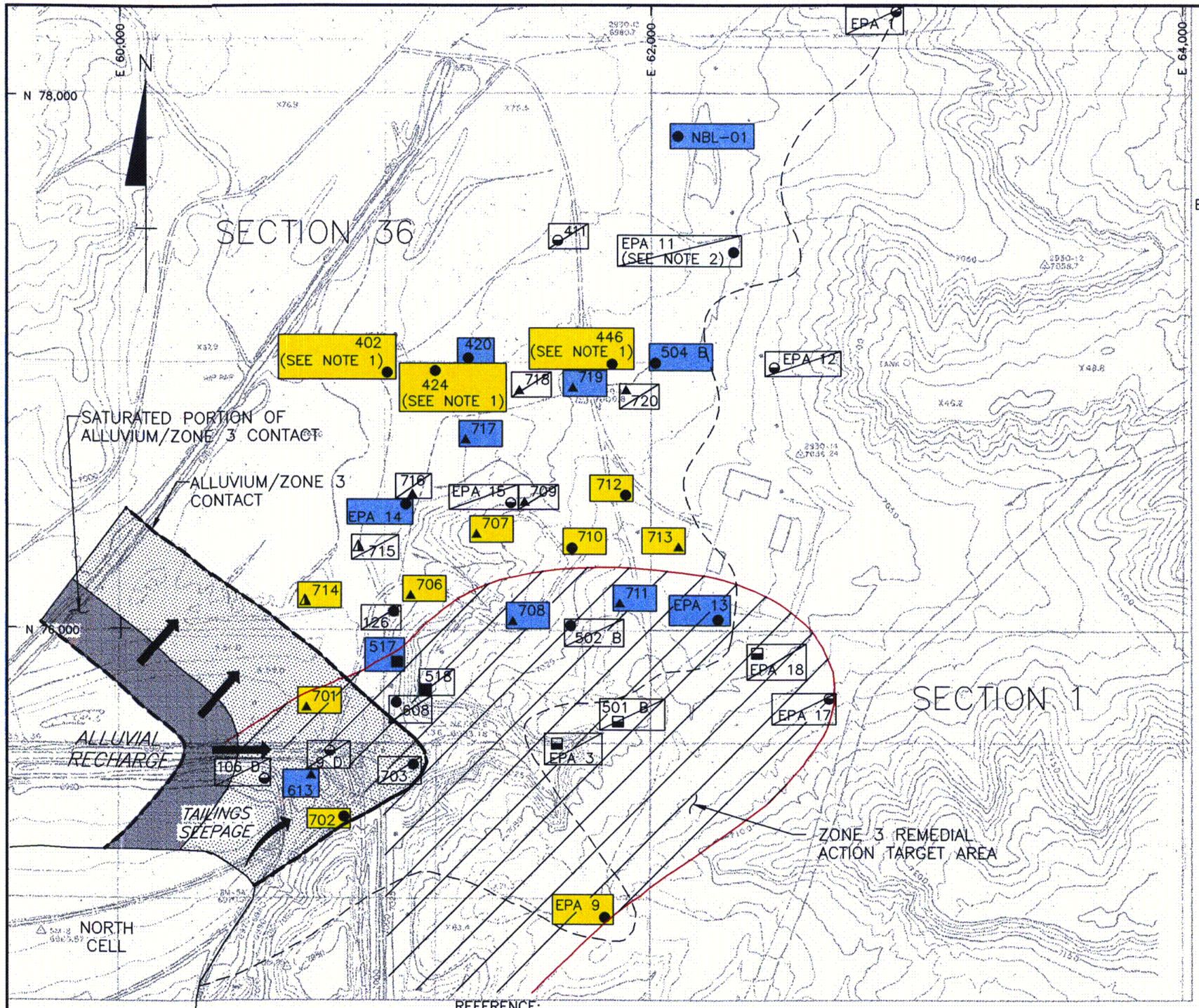
Underream:

Slotted Casing:

Gravel: Size 10 X 20 Amount 50 lb./bag - 32 bags used.

Method of Completion & Description: Rotary hole 9 7/8" drilled and logged. Betonite pellets placed to seal Zone 2, before screen and casing. Screen, centralizers, and casi hung in hole. Screens washed, screens gravel packed, and bentonite pellets placed. Annulus mud of 60 Vis. or higher filled to ground level.

FIGURE



LEGEND:

708 ▲	EXTRACTION WELL LOCATION AND DESIGNATION
714 ▲	IDLE EXTRACTION WELL LOCATION AND DESIGNATION
420 ●	ZONE 3 MONITORING WELL LOCATION AND DESIGNATION (CONTAINS WATER)
EPA 17 ◒	ZONE 3 MONITORING WELL LOCATION AND DESIGNATION (DRY OR CONTAINS INSUFFICIENT WATER FOR SAMPLE COLLECTION)
518 ■	ZONE 3 POINT OF COMPLIANCE MONITORING WELL LOCATION AND DESIGNATION (CONTAINS WATER)
EPA 3 ⬓	ZONE 3 POINT OF COMPLIANCE MONITORING WELL LOCATION AND DESIGNATION (DRY OR CONTAINS INSUFFICIENT WATER FOR SAMPLE COLLECTION)
	WATER LEVEL MONITORING ONLY
	WATER LEVEL AND WATER QUALITY MONITORING
	ZONE 3 WELL DELETED FROM MONITORING PROGRAM

NOTES:

1. ZONE 3 WELL ADDED TO MONITORING PROGRAM.
2. WELL EPA 11 WAS NOT USABLE AS OF THIRD QUARTER 1990. THE WATER LEVEL DROPPED BELOW THE PUMP INTAKE. THE PUMP COULD NOT BE LOWERED BECAUSE IT IS CEMENTED IN THE WELL.

FIGURE C-1

ZONE 3 2001 MONITORING WELL LOCATIONS

PREPARED FOR:

UNC MINING AND MILLING
GALLUP, NEW MEXICO

C01

EARTH TECH

No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY	AP'D BY
1		ISSUED FOR 2001 ANNUAL REVIEW REPORT	MLS	KTS	SdP

B1256.DWG

REFERENCE:
TOPOGRAPHIC MAP OF SEC. 2, T16N, R16W N.M.P.M. & VICINITY PROVIDED BY UNITED NUCLEAR CORPORATION, GALLUP, N.M. DATED: 8-1-96. SCALE: 1" = 400'.

SCALE
400 0 400 FEET

1

TABLES

TABLE C.1

ZONE 3 DATA SUMMARY
1989 - 2001

General Notes:

1. NRC standard as listed in License Condition 30, Part B.
2. EPA standard as listed in Table 2, "Contaminant-Specific Groundwater ARARs" of the ROD (EPA, 1988).
3. Standards for TDS, sulfate and nitrate changed to reflect revised standards recommended in the NRC's 1996 evaluation of background water quality and documented in the January 6, 1998 letter from NMED to EPA.
4. NA - Not applicable.
5. "-" (hyphen) indicates that the concentration is less than the laboratory reporting limits. A hyphen for combined Ra-226 and Ra-228 indicates that at least one of these constituents was less than the laboratory reporting limits, which are 0.2 and 1.0 pCi/L, respectively.
6. All values that exceed the NRC and/or EPA standards are shaded.
7. Gross alpha value excludes contribution from radon and uranium.
8. "*" (Asterisk) indicates a Point of Compliance well.
9. Reporting limit for bicarbonate changed from 0.0 mg/L to 0.1 mg/L in fourth quarter 1997.
10. Reporting limit for cadmium changed from 0.01 mg/L to 0.005 mg/L after fourth quarter 1997. The analytical method changed from EPA 200.7 (ICP) to 200.8 (ICP.MS).
11. Well NBL-01 was installed in June 2001 in accordance with the agencies during the November 14-15, 2000 meeting. The well is monitored for water level and water quality beginning August 2001.

Specific Notes:

Well 502 B was eliminated from the monitoring program as of 2nd quarter 2000 in accordance with the Revised Monitoring Program.
Well 711 was added to the monitoring program to replace Well 502 B.
Well 708 is monitored for water level and water quality beginning 2nd quarter 2001.
Well 518 was eliminated from the monitoring program as of 2nd quarter 2000 in accordance with the Revised Monitoring Program.
Well EPA 9 is monitored for water level only beginning in 2nd quarter 2000.
Well EPA 13 was monitored for water level only from 2nd quarter 2000 through 1st quarter 2001. Well EPA 13 is monitored for water level and water quality beginning in 2nd quarter 2001.
Wells 402, 424, 446, 613, 701, 706, 707, 717, and 719 were added as water level monitoring wells as of 2nd quarter 2000.
Wells 717 and 719 are monitored for water quality and water level beginning 2nd quarter 2001.
Well 9 D contained insufficient water for sampling, 4th quarter 1992.
Well 106 D contained insufficient water for sampling, 3rd quarter 1991.
Well 501 B* contained insufficient water for sampling, 4th quarter 1993.
Well EPA 3* contained insufficient water for sampling, 1st quarter 1992.
The water level in EPA-11 fell below the pump inlet after 2nd quarter 1990. The pump is cemented in place and cannot be lowered.
Well EPA 12 contained insufficient water for sampling, 4th quarter 1992.
Well EPA 15 contained insufficient water for sampling, 1st quarter 1996.
Well EPA 17 contained insufficient water for sampling, 3rd quarter 1992.
Well EPA 18 contained insufficient water for sampling, 1st quarter 1995.
Well EPA 1 contained insufficient water for sampling, 1st quarter 1997.
Well 411 contained insufficient water for sampling, 2nd quarter 1998.

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001
EPA Standard		NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA
0009 D	7/18/89	6,910.50	4.6	4.56	7,365	465	963	158	10.7	1	5,061	100	0.79	2.5	-0.001
0009 D	10/12/89	6,908.00	4.4	4.1	8,276	439	1013	159	13.4	0	5,508	108	0.87	2.4	-0.001
0009 D	1/4/90	6,902.30	4.4	4.04	8,330	431	940	160	10	0	5,597	94.4	0.6	0.55	-0.001
0009 D	4/10/90	6,910.00	4.4	4.41	7,222	447	856	160	9.1	0	4,688	99.1	1.08	6.3	-0.001
0009 D	7/10/90	6,904.10	4.4	4.14	8,932	473	1012	153	9.5	0	6,126	101	0.37	0.26	-0.001
0009 D	10/9/90	6,903.70	4.3	4.21	9,372	435	1094	172	9.7	0	6,551	124	0.24	0.1	-0.001
0009 D	1/15/91	6,902.30	4.5	4.37	7,769	469	887	159	11.6	0	5,383	113	0.65	0.12	-0.001
0009 D	4/9/91	6,903.70	4.2	4.18	9,518	485	1106	163	10.7	0	6,305	80.2	1.04	0.39	-0.001
0009 D	7/9/91	6,899.40	4.3	4.4	8,444	412	883	141	8.9	0	5,661	44.1	1.18	0.05	-0.001
0009 D	10/14/91	6,899.30	4.1	4.35	8,946	363	717	160	8.3	0	5,904	191	2.3	-0.01	-0.001
0009 D	1/21/92	6,898.60	4.3	4.31	8,112	444	1028	153	10.2	0	5,648	108	1.11	1.24	-0.001
0009 D	4/7/92	6,897.80	4.3	4.09	8,533	426	767	185	11.5	0	5,628	124	1.31	-0.1	-0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
0009 D	7/18/89	43	-0.001	-0.05	-0.01	0.65	0.08	14	-0.1	0.86	-0.001	-0.1	0.0077	7.3	1.1	4.5	17.6
0009 D	10/12/89	90	-0.001	-0.05	-0.01	0.94	0.37	17	-0.01	1.2	-0.001	-0.1	0.018	4.2	-0.02	1.5	3.5
0009 D	1/4/90	96	-0.001	-0.05	0.01	1	0.14	18	-0.1	1.4	-0.001	-0.1	0.012	- 5.7	-0.2	6.7	1.9
0009 D	4/10/90	46	-0.001	-0.05	0.01	0.75	0.12	15	-0.1	0.97	-0.001	-0.1	0.0395	4.9	-0.2	1.5	3
0009 D	7/10/90	155	-0.001	-0.05	-0.01	0.83	0.13	19.3	-0.1	1.56	-0.001	-0.1	0.017	10.3	-0.2	-1	5
0009 D	10/9/90	153	-0.001	-0.05	0.02	1.52	0.13	23	-0.1	2.13	-0.001	-0.1	0.0157	11.8	-0.2	1.6	4
0009 D	1/15/91	50.4	-0.001	0.02	0.01	0.71	0.09	12.8	-0.1	0.88	-0.001	-0.1	0.0065	7.4	-0.2	2.7	6.2
0009 D	4/9/91	115	-0.001	-0.05	0.02	0.83	0.13	13.1	-0.1	1.16	-0.001	-0.1	0.0098	13.1	1.2	-1	6
0009 D	7/9/91	76.6	-0.001	0.02	0.01	0.79	-0.05	17	-0.1	1.09	-0.001	-0.1	0.0062	5.4	-0.2	-1	3
0009 D	10/14/91	128	-0.001	-0.01	0.01	1.3	-0.05	22.1	-0.1	1.83	-0.001	-0.1	0.047	- 7.6	-0.2	-1	7
0009 D	1/21/92	55.1	0.001	0.01	0.02	0.74	0.26	17.1	-0.1	1.07	0.02	-0.1	0.009	- 10.5	-0.2	-1	9.3
0009 D	4/7/92	150	-0.001	0.04	-0.01	1.35	0.27	22	-0.1	1.78	-0.001	-0.1	0.022	24.1	-0.2	-1	15.8

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001
EPA Standard		NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA
0106 D	7/18/89	6,909.10	4.2	4.66	4,068	476	425	113	17.3	2	2,928	45.7	1.12	67	-0.001
0106 D	10/11/89	6,906.80	4.7	4.76	4,182	465	332	113	21.2	7	2,582	46.3	0.97	52	0.0033
0106 D	1/4/90	6,905.90	4.3	4.37	4,150	466	339	110	16.4	0	2,502	47.5	0.86	56	0.0023
0106 D	4/10/90	6,904.20	4.3	4.93	4,180	483	350	110	17	7	2,452	48.2	1.54	58	0.0019
0106 D	7/10/90	6,903.20	4.6	4.76	4,259	455	332	99.4	15.1	9	2,439	44.2	0.14	64.3	0.0028
0106 D	10/9/90	6,902.30	4.5	4.99	4,256	437	342	113	14.6	10	2,536	50	0.13	52	0.0096
0106 D	1/15/91	6,902.40	4.8	6.35	4,121	545	383	112	13.3	65	2,563	56	0.12	57.5	0.01
0106 D	4/9/91	6,903.00	5.2	6.69	4,014	591	380	117	11.6	125	2,481	55.3	0.1	67	0.0177
0106 D	7/9/91	6,901.90	4.9	5.89	4,247	575	360	99	13.7	20	2,770	156	0.49	44.3	0.00622

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
0106 D	7/18/89	8	-0.001	-0.05	-0.01	0.15	-0.05	12	-0.1	0.26	-0.001	-0.1	0.0029	13.9	4.5	2.2	22.5
0106 D	10/11/89	6.5	-0.001	-0.05	0.005	0.16	0.06	12	0.06	0.25	0.031	-0.1	0.045	10.6	-0.2	4.7	3.5
0106 D	1/4/90	7.4	-0.001	-0.05	-0.01	0.14	-0.05	12	-0.1	0.27	-0.001	-0.1	0.002	17.7	-0.2	2.8	6.7
0106 D	4/10/90	7.8	-0.001	-0.05	-0.01	0.12	-0.05	12	-0.1	0.29	0.001	-0.1	0.032	11.3	-0.2	-1	6
0106 D	7/10/90	6.5	-0.001	-0.05	-0.01	0.12	-0.05	12.4	-0.1	0.25	-0.001	-0.1	0.0107	7.3	-0.2	1.9	3
0106 D	10/9/90	4.3	-0.001	-0.05	-0.01	0.11	-0.05	11.6	-0.1	0.24	-0.001	-0.1	0.0041	6.9	-0.2	-1	2
0106 D	1/15/91	0.77	-0.001	-0.01	-0.01	0.07	-0.05	7.7	0.18	0.1	-0.001	-0.1	0.0074	- 1.8	-0.2	-1	1.1
0106 D	4/9/91	0.29	-0.001	-0.05	-0.01	0.04	-0.05	4.2	0.21	-0.05	-0.001	-0.1	0.0069	9.4	-0.2	-1	5
0106 D	7/9/91	0.9	-0.001	-0.01	-0.01	0.07	-0.05	7.9	0.2	0.1	0.04	-0.1	0.0085	6.7	-0.2	-1	3

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.001**
EPA Standard		NA	NA	NA	**4,800**	NA	NA	NA	NA	NA	**2,125**	**250**	NA	**190**	NA
0411	7/23/89	6,866.20	6.2	6.45	2,458	454	125	107	6.4	246	1,563	17.9	0.41	0.04	-0.001
0411	10/11/89	6,864.90	6.3	6.9	2,628	470	128	110	9.5	243	1,688	20	0.55	0.09	-0.001
0411	1/3/90	6,863.70	6	6.5	2,534	440	116	112	6.8	256	1,509	19.8	0.39	0.08	-0.001
0411	4/3/90	6,862.30	6	6.6	2,545	431	117	109	6.6	270	1,444	19.7	0.33	0.08	-0.001
0411	7/2/90	6,861.20	5.8	6.6	2,602	475	114	102	6	267	1,483	19	0.2	0.08	-0.001
0411	10/2/90	6,860.30	6.2	6.85	2,527	406	110	109	6.5	266	1,607	20.1	0.11	0.05	-0.001
0411	1/3/91	6,859.50	6.2	6.49	2,746	468	126	117	15.7	262	1,492	19.4	0.45	0.23	-0.001
0411	4/10/91	6,859.20	6	7.23	2,600	467	118	111	7.8	277	1,453	22.3	0.19	0.05	-0.001
0411	7/16/91	6,858.20	6.1	6.63	2,705	419	110	113	6.3	278	1,742	22.3	0.38	0.02	-0.001
0411	10/14/91	6,855.30	6	7.28	2,851	414	98.6	123	5.8	271	1,640	28.6	0.3	0.02	-0.001
0411	1/14/92	6,854.70	5.8	7.78	2,939	467	128	119	6.5	255	1,765	23.1	0.8	-0.01	-0.001
0411	4/7/92	6,854.90	5.9	7.82	3,064	475	144	140	8.4	401	1,847	26.1	0.37	-0.1	-0.001
0411	7/7/92	6,853.30	5.6	8.09	3,340	473	170	144	9.6	244	2,034	28.7	0.49	0.1	-0.001
0411	10/6/92	6,850.90	6	8.15	3,860	634	239	139	9.2	259	2,352	27.4	0.44	6.05	-0.001
0411	1/6/93	6,851.20	6	6.79	3,091	530	208	127	10.6	246	2,137	30.4	1.13	4.1	-0.001
0411	4/6/93	6,851.30	6.7	6.65	3,306	510	200	140	8	245	2,257	35.1	0.84	1.8	-0.001
0411	7/16/93	6,846.90	6.6	6.25	3,412	586	242	166	12.2	321	2,420	39.6	0.68	4.4	-0.001
0411	10/6/93	6,848.00	7.1	6.81	4,026	614	285	149	9.3	340	2,591	41.3	0.33	14.3	-0.001
0411	1/5/94	6,841.60	6.8	6.69	4,298	557	276	149	9.3	303	2,540	45.8	0.55	12.5	-0.001
0411	4/14/94	6,847.40	7.1	6.51	4,006	620	274	146	9.8	294	2,634	42.1	1.06	8.8	-0.001
0411	7/21/94	6,846.40	6.8	6.79	4,253	645	287	141	9.6	293	2,883	38.1	0.43	10.8	-0.001
0411	10/5/94	6,846.20	6.8	7.36	4,053	636	286	141	9.9	274	2,509	36.9	0.99	5.17	-0.001
0411	1/10/95	6,845.40	6.6	7.65	4,276	675	213	139	11	295	2,754	40.5	0.71	5.55	-0.001
0411	4/11/95	6,842.90	6.6	6.35	4,320	645	283	152	9.5	182	2,862	50	0.64	5.86	-0.001
0411	7/11/95	6,844.40	6.9	7.67	4,038	605	315	147	9.4	379	2,471	49.4	1.4	26.4	-0.001
0411	10/3/95	6,842.90	6.8	8.06	4,526	645	322	162	9.1	383	2,684	47	0.46	27.3	-0.001
0411	1/4/96	6,845.40	7.1	6.69	4,445	630	310	173	9.5	382	2,655	45.3	0.06	29.2	-0.001
0411	4/2/96	6,844.50	7	7.67	4,338	604	300	146	9.8	366	2,666	40	0.2	8.92	-0.001
0411	7/17/96	6,844.10	7	6.8	4,459	580	290	168	10.1	410	2,730	52.1	0.25	28.1	-0.001
0411	10/8/96	6,844.20	6.9	7.61	4,370	611	318	151	10.1	429	2,542	45.6	0.3	45.4	-0.001
0411	1/28/97	6,844.30	6.8	7.83	4,350	610	315	144	10.1	468	2,726	56	0.63	13.2	-0.001
0411	4/15/97	6,844.20	7.1	7.77	4,470	671	358	159	10.7	451	2,610	51	0.22	29.1	-0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
0411	7/23/89	-0.1	0.02	-0.05	-0.01	0.05	-0.05	2.7	2	0.08	0.001	-0.1	0.0543	13.0	10.2	-1	14.6
0411	10/11/89	-0.1	0.031	-0.05	-0.01	0.06	-0.05	3	2.5	0.09	-0.001	-0.1	0.081	- 6.4	-0.2	-1	6
0411	1/3/90	-0.1	0.018	-0.05	-0.01	0.03	-0.05	2.3	1.8	0.07	-0.001	-0.1	0.055	9.1	-0.2	-1	8.2
0411	4/3/90	-0.1	0.018	-0.05	-0.01	0.05	-0.05	2.5	2.4	0.08	-0.001	-0.1	0.05	7.1	-0.2	-1	5.3
0411	7/2/90	-0.1	0.009	-0.05	-0.01	0.04	-0.05	2.44	1.77	0.07	-0.001	-0.1	0.0592	10.3	0.4	-1	5
0411	10/2/90	-0.1	0.018	-0.05	-0.01	0.06	-0.05	2.42	1.93	0.06	-0.001	-0.1	0.049	- 7.3	-0.2	1.8	7.5
0411	1/3/91	-0.1	0.029	-0.01	-0.01	0.06	-0.05	2.72	1.95	0.11	-0.001	-0.1	0.1131	10.6	-0.2	-1	7
0411	4/10/91	-0.1	0.029	-0.01	-0.01	0.05	-0.05	2.01	1.34	0.06	-0.001	-0.1	0.0549	13.0	-0.2	2.6	6
0411	7/16/91	-0.1	0.035	-0.01	-0.01	0.04	-0.05	2.37	1.89	-0.05	-0.001	-0.1	0.04	8.2	-0.2	2	5
0411	10/14/91	0.23	0.062	-0.01	-0.01	0.06	-0.05	2.92	2.96	0.09	-0.001	-0.1	0.059	- 6.5	-0.2	-1	6
0411	1/14/92	-0.1	0.088	-0.01	-0.01	0.06	-0.05	2.96	2.73	0.09	0.002	-0.1	0.039	10.1	-0.2	3.5	5
0411	4/7/92	-0.1	0.087	-0.01	-0.01	0.06	-0.05	3.95	3.5	0.05	-0.001	-0.1	0.065	9.2	-0.2	2.8	4.9
0411	7/7/92	-0.1	0.044	-0.01	-0.01	0.08	-0.05	3.62	4.11	0.08	0.003	-0.1	0.02	9.5	-0.2	-1	6.5
0411	10/6/92	0.2	0.022	-0.01	-0.01	0.09	-0.05	4.41	6.6	0.11	0.003	-0.1	0.154	13.6	-0.2	-1	5.3
0411	1/6/93	-0.1	0.022	-0.01	-0.01	0.09	-0.05	4.65	5.38	0.14	0.004	-0.1	0.129	12.6	-0.2	2.3	6.9
0411	4/6/93	-0.1	0.011	-0.01	-0.01	0.1	-0.05	5.5	6.41	0.13	-0.001	-0.1	0.205	16.3	-0.2	-1	6.9
0411	7/16/93	0.14	0.017	-0.01	-0.01	0.12	-0.05	4.48	8.5	0.14	-0.001	-0.1	0.127	8.3	-0.2	1.2	5.2
0411	10/6/93	-0.1	0.013	-0.01	-0.01	0.1	-0.05	4	8.38	0.13	-0.001	-0.1	0.145	10.1	-0.2	2.2	4
0411	1/5/94	-0.1	0.011	-0.01	-0.01	0.08	-0.05	4.07	6.9	0.08	-0.001	-0.1	0.182	9.4	-0.2	2.7	11.8
0411	4/14/94	-0.1	0.01	-0.01	-0.01	0.1	-0.05	4.07	7.96	0.1	-0.001	-0.1	0.187	15.2	-0.2	3.7	19.3
0411	7/21/94	-0.1	0.008	-0.01	-0.01	0.13	-0.05	4.68	9.23	0.17	-0.001	-0.1	0.186	17.6	-0.2	4.4	23.2
0411	10/5/94	-0.1	0.009	-0.01	-0.01	0.08	-0.05	4.42	6.59	0.13	0.004	-0.1	0.156	19.8	-0.2	-1	26.5
0411	1/10/95	-0.1	0.009	-0.01	-0.01	0.13	-0.05	3.68	11.5	0.12	-0.001	-0.1	0.246	15.3	-0.2	2.8	18.3
0411	4/11/95	-0.1	0.004	-0.01	-0.01	0.08	-0.05	4.38	8.74	0.08	-0.001	-0.1	0.238	13.0	-0.2	-1	16.3
0411	7/11/95	-0.1	0.012	-0.01	-0.01	0.086	-0.05	3.48	9.6	0.08	-0.001	-0.1	0.215	7.6	-0.2	-1	10.7
0411	10/3/95	-0.1	0.014	-0.01	-0.01	0.09	-0.05	-0.01	9.91	-0.05	0.002	-0.1	0.2669	- 9.4	-0.2	1.5	14.7
0411	1/4/96	-0.1	0.006	-0.01	-0.01	0.09	-0.05	3.18	10.6	0.07	-0.001	-0.1	0.287	9.6	-0.2	2.6	5.7
0411	4/2/96	-0.1	0.014	-0.01	-0.01	0.08	-0.05	3.8	8.8	0.07	-0.001	-0.1	0.306	7.6	-0.2	-1	4.8
0411	7/17/96	-0.1	0.007	-0.01	-0.01	0.09	-0.05	3.39	10	0.06	-0.001	-0.1	0.281	9.7	-0.2	-1	8.2
0411	10/8/96	-0.1	0.012	-0.01	-0.01	0.07	-0.05	3.38	9.97	0.06	-0.001	-0.1	0.164	11.3	-0.2	-1	2.4
0411	1/28/97	-0.1	0.013	-0.01	-0.01	0.06	-0.05	3.11	10.7	-0.05	0.002	-0.1	0.145	- 4.6	0.5	-1	4.5
0411	4/15/97	-0.1	0.013	-0.01	-0.01	0.06	-0.05	3.04	10.5	-0.05	-0.001	-0.1	0.235	7.2	-0.2	-1	5.8

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001
EPA Standard		NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA
0411	7/15/97	6,844.10	6.9	7.83	4,510	659	342	159	9.6	437	2,750	54.8	0.2	33.9	-0.001
0411	10/15/97	6,844.00	6.8	7.93	4,490	685	350	154	10.2	433	2,620	62.3	0.32	30.3	-0.001
0411	1/20/98	6,844.00	6.7	7.95	4,390	634	323	178	10.4	439	2,700	57.5	0.46	31.2	-0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
0411	7/15/97	-0.1	0.014	-0.01	-0.01	0.08	-0.05	2.7	9.8	0.05	0.002	-0.1	0.212	6.7	-0.2	-1	3.9
0411	10/15/97	-0.1	0.01	-0.01	-0.01	0.1	0.05	2.96	9.85	0.06	0.002	-0.1	0.25	9.3	-0.2	-1	4.2
0411	1/20/98	-0.1	0.007	-0.01	-0.005	0.1	-0.05	3.33	11.1	0.05	-0.001	-0.1	0.244	7.9	-0.2	-1	3.1

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001
EPA Standard		NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA
0420	7/23/89	6,882.00	6.3	6.52	2,239	438	110	99	5.8	285	1,293	16.5	0.56	60	-0.001
0420	10/11/89	6,879.70	6.4	6.84	2,328	402	112	96.8	8.5	244	1,594	18.7	0.77	4.8	-0.001
0420	1/3/90	6,878.30	5.9	6.2	2,680	431	141	99.5	7.1	196	1,602	19.1	1.43	2.1	-0.001
0420	4/3/90	6,876.80	5.9	6.4	2,725	439	149	97	7.1	209	1,532	18.4	1.29	0.15	-0.001
0420	7/2/90	6,875.70	6	6.56	2,708	464	140	91.7	6.2	226	1,577	18.7	0.77	0.87	-0.001
0420	10/2/90	6,874.60	6.1	6.57	2,777	412	151	91.5	7.1	198	1,771	18.8	0.66	-0.01	-0.001
0420	1/3/91	6,874.00	6.2	7.3	2,729	478	135	105	27	248	1,574	18	0.82	6.8	-0.001
0420	4/10/91	6,874.00	6	6.99	2,635	483	143	102	7.9	269	1,480	19.1	0.54	5.7	-0.001
0420	7/16/91	6,872.40	5.9	6.43	2,840	492	114	87.3	6.9	205	1,888	17.5	1.1	0.11	-0.001
0420	10/14/91	6,866.70	5.9	7.01	2,982	593	133	94.1	6.1	217	1,819	21.6	1.2	0.07	-0.001
0420	1/14/92	6,868.50	5.9	8.17	2,806	426	148	93.1	6.4	243	1,831	17.8	1.3	2	-0.001
0420	4/7/92	6,868.70	5.8	7.89	2,962	453	164	99.2	8.3	265	1,890	16.2	1.4	-0.1	-0.001
0420	7/7/92	6,862.80	5.7	7.71	3,097	494	202	98.9	8.6	244	1,750	18.3	1.78	0.2	-0.001
0420	10/6/92	6,861.90	6	6.83	3,098	537	180	100	7.8	114	1,991	23.2	1.2	-0.1	-0.001
0420	1/6/93	6,864.30	5.9	6.58	2,512	455	152	86	6.7	119	1,675	19.3	1.29	-0.1	-0.001
0420	4/6/93	6,864.60	6.1	6.83	2,505	413	118	111	5.4	222	1,658	24.4	0.42	1.9	-0.001
0420	7/13/93	6,859.60	6	6.26	2,704	435	169	100	7.2	143	1,818	21.1	0.83	0.7	-0.001
0420	10/6/93	6,858.40	6	5.81	2,947	497	165	95.4	6.6	85	2,062	20.6	0.87	0.8	-0.001
0420	1/5/94	6,859.80	6.2	6.45	2,915	475	145	97.7	6.3	181	1,855	21.1	0.66	2.58	-0.001
0420	4/13/94	6,859.70	6.2	6.22	2,930	504	167	92.6	6.5	91	2,024	22.6	1.66	0.76	-0.001
0420	7/20/94	6,857.10	6.1	6.28	3,540	602	192	102	7.2	89	2,338	22.6	1.28	-0.1	-0.001
0420	10/4/94	6,857.40	6	7.18	3,297	593	186	111	7.6	133	2,245	25.3	1.19	2.26	-0.001
0420	1/4/95	6,856.90	6	6.7	3,434	593	188	105	7.6	116	2,204	25.3	1.48	1.13	-0.001
0420	4/4/95	6,856.50	6.1	6.36	3,395	579	179	107	7.1	145	2,237	31	1.09	2.09	-0.001
0420	7/7/95	6,855.10	6.2	7.57	3,074	530	135	108	6.5	207	1,882	25.7	0.46	6.35	-0.001
0420	10/3/95	6,854.30	6.4	7.61	3,117	544	142	118	6.5	305	1,821	28	0.24	7.17	-0.001
0420	1/3/96	6,853.70	6.7	7.14	3,084	545	162	115	6.1	322	1,856	26.4	-0.05	8.66	-0.001
0420	4/2/96	6,852.90	6.9	7.85	3,165	588	140	122	6.2	344	1,890	30.2	0.1	18.4	-0.001
0420	7/7/96	6,852.20	6.7	7.4	3,225	586	134	127	6.6	332	1,816	30.2	0.24	16.7	-0.001
0420	10/1/96	6,851.60	6.5	6.97	3,250	614	146	131	6.6	339	1,821	30.4	-0.05	22.8	-0.001
0420	1/21/97	6,851.80	5.9	7.83	3,120	620	150	123	6.3	377	1,926	36.2	0.07	24.3	-0.001
0420	4/8/97	6,851.50	6.8	7.96	3,250	659	159	126	6.3	359	1,944	34.6	0.06	23.8	-0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	5.0	5.0	1.0	15.0
EPA Standard		5.0	0.05	0.017	0.01	0.05	0.05	2.6	1.0	0.2	0.01	0.7	5.0	5.0	NA	NA	15.0
0420	7/23/89	-0.1	0.012	-0.05	-0.01	-0.01	-0.05	1.4	9.1	-0.05	0.001	-0.1	0.0293	9.1	-0.2	1.6	6.8
0420	10/11/89	0.16	0.029	-0.05	-0.01	-0.01	-0.05	1.6	8.1	-0.05	0.002	-0.1	0.022	7.8	-0.2	1.9	3.5
0420	1/3/90	-0.1	0.055	-0.05	-0.01	-0.01	-0.05	2.2	6	-0.05	-0.001	-0.1	0.007	10.6	-0.2	3.3	6.8
0420	4/3/90	-0.1	0.058	-0.05	-0.01	-0.01	-0.05	3	4.8	-0.05	-0.001	-0.1	0.004	6.8	-0.2	1.9	3.6
0420	7/2/90	-0.1	0.024	-0.05	-0.01	0.02	-0.05	2.57	6	-0.05	-0.001	-0.1	0.0087	5.3	-0.2	1.5	3
0420	10/2/90	-0.1	0.034	-0.05	-0.01	-0.01	-0.05	3.39	4.2	-0.05	-0.001	-0.1	0.003	- 6.3	-0.2	-1	5
0420	1/3/91	-0.1	0.024	-0.01	0.01	-0.01	-0.05	2.16	4.9	-0.05	-0.001	-0.1	0.0162	5.0	-0.2	-1	3
0420	4/10/91	-0.1	0.027	-0.01	-0.01	0.01	-0.05	2.51	5.34	-0.05	-0.001	-0.1	0.0127	8.1	-0.2	1.1	3
0420	7/16/91	-0.1	0.04	-0.01	-0.01	-0.01	-0.05	3.25	3.54	-0.05	-0.001	-0.1	0.003	8.4	-0.2	2.2	5
0420	10/14/91	-0.1	0.066	-0.01	-0.01	-0.01	-0.05	4.05	2.42	-0.05	-0.001	-0.1	0.072	- 7.0	-0.2	-1	6
0420	1/14/92	-0.1	0.053	-0.01	-0.01	-0.01	-0.05	3.42	2.45	-0.05	-0.001	-0.1	0.007	5.0	0.8	1.3	2
0420	4/7/92	-0.1	0.032	-0.01	-0.01	-0.01	-0.05	4.98	1.76	-0.05	-0.001	-0.1	0.026	12.4	-0.2	-1	2.7
0420	7/7/92	0.13	0.036	-0.01	-0.01	-0.01	-0.05	4.25	2.35	-0.05	0.001	-0.1	0.02	8.5	-0.2	-1	3.9
0420	10/6/92	0.3	0.111	-0.01	-0.01	-0.01	-0.05	4.25	1.6	-0.05	0.002	-0.1	-0.0003	15.5	-0.2	-1	4.7
0420	1/6/93	-0.1	0.104	-0.01	-0.01	-0.01	-0.05	4.17	1.38	-0.05	0.004	-0.1	0.027	- 11.7	-0.2	-1	10.9
0420	4/6/93	-0.1	0.044	-0.01	-0.01	-0.01	-0.05	2.52	2.3	-0.05	0.001	-0.1	0.024	4.8	-0.2	-1	2.9
0420	7/13/93	-0.1	0.1	-0.01	-0.01	0.02	-0.05	4.03	1.81	-0.05	-0.001	-0.1	0.003	12.2	-0.2	3	5.7
0420	10/6/93	0.1	0.064	-0.01	-0.01	0.02	-0.05	3.94	1.88	0.07	-0.001	-0.1	0.005	9.7	-0.2	1.2	6
0420	1/5/94	0.11	0.061	-0.01	-0.01	-0.01	-0.05	3.06	1.44	-0.05	-0.001	-0.1	0.008	6.0	-0.2	1.4	7.9
0420	4/13/94	-0.1	0.02	-0.01	-0.01	-0.01	-0.05	4.07	1.17	-0.05	-0.001	-0.1	0.002	11.8	-0.2	-1	15.4
0420	7/20/94	0.1	0.012	-0.01	-0.01	0.01	-0.05	5	1.03	-0.05	-0.001	-0.1	0.006	19.4	-0.2	-1	23.9
0420	10/4/94	-0.1	0.006	-0.01	-0.01	-0.01	-0.05	5.56	1.2	-0.05	-0.001	-0.1	0.011	7.4	-0.2	-1	8.3
0420	1/4/95	-0.1	-0.001	-0.01	-0.01	-0.01	-0.05	3.42	1.43	-0.05	-0.001	-0.1	0.004	8.1	-0.2	-1	9.6
0420	4/4/95	-0.1	0.007	-0.01	-0.01	0.02	-0.05	3.45	1.21	-0.05	-0.001	-0.1	0.008	9.5	-0.2	-1	12.1
0420	7/7/95	-0.1	0.002	-0.01	-0.01	-0.01	-0.05	0.14	-0.1	-0.05	-0.001	-0.1	0.0205	8.9	-0.2	-1	7.5
0420	10/3/95	-0.1	0.005	-0.01	-0.01	-0.01	-0.05	2.08	0.76	-0.05	-0.001	-0.1	0.0363	7.9	0.6	-1	5.7
0420	1/3/96	-0.1	0.001	-0.01	-0.01	-0.01	-0.05	1.88	0.64	-0.05	-0.001	-0.1	0.0392	- 3.7	0.8	1.6	3.7
0420	4/2/96	-0.1	0.003	-0.01	-0.01	-0.01	-0.05	1.9	0.54	-0.05	-0.001	-0.1	0.1	4.7	-0.2	-1	3.2
0420	7/7/96	-0.1	-0.001	-0.01	-0.01	-0.01	-0.05	1.98	0.59	-0.05	-0.001	-0.1	0.051	10.2	-0.2	3.1	2.1
0420	10/1/96	-0.1	-0.001	-0.01	-0.01	-0.01	-0.05	1.9	0.61	-0.05	0.003	-0.1	0.044	- 3.1	-0.2	-1	2.1
0420	1/21/97	-0.1	-0.001	-0.01	-0.01	-0.01	-0.05	2.1	0.59	-0.05	-0.001	-0.1	0.043	- 3.2	-0.2	-1	1.6
0420	4/8/97	-0.1	-0.001	-0.01	-0.01	-0.01	-0.05	2.03	0.52	-0.05	0.007	-0.1	0.05	6.9	-0.2	-1	6

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001
EPA Standard		NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA
0420	7/8/97	6,850.60	7.3	7.92	3,360	614	165	136	6.5	364	1,940	36	0.06	25.6	-0.001
0420	10/7/97	6,850.00	6.6	7.78	3,450	683	149	131	6.2	388	1,900	38.8	0.06	31.5	-0.001
0420	1/16/98	6,850.00	7	7.83	3,500	664	141	142	6.6	388	2,000	39.2	0.32	43.5	-0.001
0420	4/7/98	6,849.60	6.5	7.45	3,510	659	149	135	6	340	1,800	34.9	0.08	36.5	-0.001
0420	7/7/98	6,850.20	6.9	7.58	3,420	660	149	144	6.1	415	1,900	35.5	0.16	34.7	-0.001
0420	10/6/98	6,849.10	6.78	7.88	3,530	657	123	148	6.9	415	2,000	36.3	1.77	37.3	-0.001
0420	1/5/99	6,848.40	6.8	7.82	3,600	672	123	136	5.5	422	1,830	34.1	-0.05	32.2	-0.001
0420	4/6/99	6,848.10	6.5	7.96	3,640	672	144	137	6.4	388	1,870	39.5	0.11	28.5	-0.001
0420	7/13/99	6,847.68	6.4	8.07	3,560	708	111	123	7	411	1,840	34.6	0.09	39.8	-0.001
0420	10/5/99	6,847.20	6.72	7.63	3,630	731	130	146	6.1	392	2,100	38.9	0.07	47.7	-0.001
0420	1/4/00	6,846.20	6.6	7.97	3,550	676	157	126	7	414	1,870	34.6	-0.05	50.7	-0.001
0420	5/1/00	6,847.30	6.7	7.69	3,500	616	139	127	6.5	452	1,840	33.5	0.19	31.3	-0.001
0420	7/10/00	6,847.30	7.35	7.47	3,500	664	151	141	5.86	456	1,740	35	-0.05	33.2	-0.001
0420	10/2/00	6,848.20	7.03	7.24	3,350	661	147	138	6.97	467	1,750	38.6	0.07	18.7	-0.001
0420	1/15/01	6,848.75	6.61	7.23	3,200	617	123	119	6.9	474	1,920	42	-0.05	12.7	-0.001
0420	4/2/01	6,848.70	6.59	7.39	3,290	695	139	126	5.7	467	1,800	39.7	0.1	12.5	-0.001
0420	7/16/01	6,848.50	6.2	7.55	3,330	592	126	162	11.4	474	1,580	54.1	0.18	13.6	-0.001
0420	10/8/01	6,848.50	6.45	7.2	3,360	600	130	115	6.3	516	1,680	53.1	0.09	14	-0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
0420	7/8/97	-0.1	-0.001	-0.01	-0.01	-0.01	-0.05	1.97	0.73	-0.05	-0.001	-0.1	0.053	- 3.8	-0.2	-1	2.5
0420	10/7/97	-0.1	-0.001	-0.01	-0.01	-0.01	-0.05	2.3	0.54	-0.05	-0.001	-0.1	0.049	5.2	-0.2	-1	1.9
0420	1/16/98	-0.1	-0.001	-0.01	-0.01	-0.01	-0.05	2.6	0.56	-0.05	-0.001	-0.1	0.0515	- 3.4	-0.2	-1	3.6
0420	4/7/98	-0.1	-0.001	-0.01	-0.005	-0.01	-0.05	1.94	0.4	-0.05	-0.001	-0.1	0.0495	- 4.5	-0.2	-1	4
0420	7/7/98	-0.1	-0.001	-0.01	-0.005	-0.01	-0.05	1.98	0.4	-0.05	0.001	-0.1	0.0567	- 3.2	-0.2	-1	3.7
0420	10/6/98	-0.1	-0.001	-0.01	-0.005	-0.01	-0.05	1.89	0.42	-0.05	-0.001	-0.1	0.0674	- 5.8	-0.2	-1	3.2
0420	1/5/99	-0.1	-0.001	-0.01	0.007	-0.01	-0.05	1.97	0.37	-0.05	-0.001	-0.1	0.054	5.0	-0.2	4.7	4.7
0420	4/6/99	-0.1	-0.001	-0.01	-0.005	-0.01	-0.05	2.01	0.56	-0.05	-0.001	-0.1	0.0556	5.3	0.8	-1	4.7
0420	7/13/99	-0.1	-0.001	-0.01	-0.005	-0.01	-0.05	1.98	0.37	-0.05	-0.001	-0.1	0.0578	4.2	-0.2	-1	2.7
0420	10/5/99	-0.1	-0.001	-0.01	-0.005	-0.01	-0.05	2.23	0.34	-0.05	-0.001	-0.1	0.054	6.8	-0.2	-1	1.9
0420	1/4/00	-0.1	-0.001	-0.01	-0.005	-0.01	-0.05	2.01	0.36	-0.05	0.001	-0.1	0.0511	- 3.4	-0.2	-1	3.1
0420	5/1/00	0.2	0.008	-0.01	0.051	-0.01	-0.05	2.14	0.2	0.08	-0.001	-0.1	0.05	8.0	1	6.8	3.3
0420	7/10/00	-0.1	-0.001	-0.01	-0.005	-0.01	-0.05	2.03	0.21	-0.05	-0.001	-0.1	0.0436	7.0	-0.2	-1	2.8
0420	10/2/00	-0.1	0.007	-0.01	-0.005	-0.01	-0.05	2.25	0.15	-0.05	-0.001	-0.1	0.0392	5.1	-0.2	-1	3.6
0420	1/15/01	-0.1	0.023	0.15	-0.005	-0.01	-0.05	2.08	0.24	-0.05	0.001	-0.1	0.043	6.7	-0.2	-1	3.2
0420	4/2/01	-0.1	0.006	-0.01	-0.005	-0.01	-0.05	2.28	0.2	-0.05	0.001	-0.1	0.05	- 3.5	-0.2	-1	3
0420	7/16/01	-0.1	0.06	-0.01	-0.005	-0.01	-0.05	2.07	0.4	-0.05	0.002	-0.1	0.054	7.3	-0.2	-1	4.6
0420	10/8/01	-0.1	0.008	-0.01	-0.005	-0.01	-0.05	1.69	0.11	-0.05	-0.001	-0.1	0.0546	4.6	-0.2	-1	3.4

TABLE C.1
ZONE 3 DATA SUMMARY
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Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001
EPA Standard		NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA
0501 B	7/20/89	6,889.00	3.1	3.13	5,722	443	492	106	17.5	0	4,074	24.2	1.36	0.21	-0.001
0501 B	10/8/89	6,887.90	3.2	3.29	5,594	454	540	110	20.2	0	3,758	36.2	1.06	0.2	-0.001
0501 B	1/10/90	6,885.30	3.7	2.98	5,622	449	529	115	14.9	0	3,570	26.6	1.01	0.42	-0.001
0501 B	4/10/90	6,884.60	4.4	2.86	5,716	447	576	110	14.3	0	3,592	30	1.02	0.23	-0.001
0501 B	7/10/90	6,883.30	4.5	3.01	5,738	511	578	111	15.5	0	3,756	25.6	0.48	0.26	-0.001
0501 B	10/9/90	6,882.30	4.2	4.25	5,845	403	511	120	16.7	0	3,678	57.3	0.39	0.05	-0.001
0501 B	1/11/91	6,881.40	3.8	3.45	5,791	484	592	105	16	0	3,862	28.2	0.84	-0.01	-0.001
0501 B	4/10/91	6,880.70	3.6	3.62	5,924	483	591	89.1	18.2	0	3,834	27.1	0.99	-0.01	-0.001
0501 B	7/9/91	6,879.90	3.7	3.43	6,105	412	512	94.7	15.4	0	3,937	28.7	1.27	-0.01	-0.001
0501 B	10/17/91	6,879.40	3.6	3.81	6,099	476	483	117	17.9	0	3,822	37.9	1.3	-0.01	-0.001
0501 B	1/21/92	6,878.80	3.4	4.02	6,099	420	555	101	15.7	0	4,151	24.5	-0.05	-0.01	-0.001
0501 B	4/14/92	6,878.40	3.3	3.62	6,113	417	472	100	17.8	0	3,824	28	1.17	-0.1	-0.001
0501 B	7/14/92	6,877.90	3.2	2.99	6,203	362	539	129	21.4	0	4,209	28.6	0.52	-0.1	-0.001
0501 B	10/13/92	6,877.50	3.6	3.33	5,832	455	563	113	19.4	0	3,601	27.9	0.97	-0.1	-0.001
0501 B	1/21/93	6,877.10	3.5	3.11	6,118	408	544	101	16.5	0	4,100	21.4	0.98	-0.1	-0.001
0501 B	4/14/93	6,876.90	3.4	3.01	5,140	439	532	108	13.7	0	3,936	29.7	0.99	-0.1	-0.001
0501 B	7/15/93	6,876.20	3.5	3.02	4,976	492	544	105	15.8	0	3,778	28	0.85	-0.1	-0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
0501 B	7/20/89	100	0.244	0.13	-0.01	1.1	0.08	12	0.11	1.8	-0.001	-0.1	0.61	33.1	5.4	-1	96.3
0501 B	10/8/89	70	0.046	0.09	-0.01	0.83	0.07	11	0.03	1.2	-0.001	-0.1	0.469	22.4	15	-1	34.7
0501 B	1/10/90	29	0.03	-0.05	-0.01	0.59	-0.05	9.8	-0.1	0.8	-0.001	-0.1	0.212	16.4	-0.2	-1	11.2
0501 B	4/10/90	22	0.026	-0.05	-0.01	0.64	-0.05	12	-0.1	0.73	-0.001	-0.1	0.125	17.2	-0.2	-1	10.4
0501 B	7/10/90	22.9	0.014	-0.05	-0.01	0.41	-0.05	12.21	-0.1	0.74	-0.001	-0.1	0.161	16.6	-0.2	-1	10
0501 B	10/9/90	25.8	0.029	0.05	-0.01	0.68	-0.05	13.5	-0.1	0.88	-0.001	-0.1	0.2099	22.8	-0.2	1.4	14
0501 B	1/11/91	24.7	0.02	0.05	-0.01	0.68	-0.05	12.4	-0.1	0.83	-0.001	-0.1	0.2768	25.9	-0.2	1.5	13.4
0501 B	4/10/91	25.62	0.03	-0.01	-0.01	0.6	-0.05	8.12	-0.1	0.69	-0.001	-0.1	0.3332	22.5	2.6	5.9	17.7
0501 B	7/9/91	40.84	0.016	0.06	-0.01	0.7	-0.05	12.21	-0.1	0.86	-0.001	-0.1	0.4356	18.2	-0.2	-1	9
0501 B	10/17/91	52	0.022	0.09	-0.01	0.8	-0.05	15.24	-0.1	1.14	-0.001	-0.1	0.5918	15.5	-0.2	2.4	10
0501 B	1/21/92	53.2	0.073	-0.01	0.02	0.86	0.05	13.9	-0.1	1.15	0.002	-0.1	0.434	31.0	-0.2	1.3	19
0501 B	4/14/92	37.1	0.021	0.08	-0.01	0.82	-0.05	13.9	-0.1	0.95	-0.001	-0.1	0.379	22.1	-0.2	1.6	9.2
0501 B	7/14/92	35.6	0.013	0.063	-0.01	0.98	-0.05	13.1	-0.1	1.07	-0.001	-0.1	0.539	15.6	-0.2	-1	10.2
0501 B	10/13/92	36.1	0.025	-0.01	0.02	0.77	-0.05	13.6	-0.1	0.85	-0.001	-0.1	0.529	27.9	-0.2	3.3	15.9
0501 B	1/21/93	39.2	0.021	-0.01	-0.01	0.63	-0.05	12.5	-0.1	1.01	-0.001	-0.1	0.225	13.9	-0.2	2.6	9
0501 B	4/14/93	42	0.04	0.08	-0.01	0.99	-0.05	13.6	-0.1	1.14	-0.001	-0.1	0.421	18.3	-0.2	1.7	7.8
0501 B	7/15/93	40.4	0.018	0.051	-0.01	0.71	-0.05	11.6	-0.1	0.75	-0.001	-0.1	0.18	12.0	-0.2	-1	7.5

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001
EPA Standard		NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA
0502 B	7/23/89	6,892.40	5.3	5.64	5,131	559	501	186	13.7	63	3,298	51	2.94	30	-0.001
0502 B	10/11/89	6,888.10	5.1	5.66	5,192	513	483	184	18.7	51	3,563	55.3	1.26	38	-0.001
0502 B	1/3/90	6,885.70	4.9	5.38	5,364	501	495	184	16.1	34	3,347	52	2.8	39	-0.001
0502 B	4/3/90	6,883.90	4.7	5.28	5,400	491	500	180	15.5	29	3,296	55.8	2.17	39	-0.001
0502 B	7/2/90	6,882.70	4.4	4.53	5,536	575	542	162	15.9	1	3,487	54.5	2.38	31.6	-0.001
0502 B	10/2/90	6,881.40	4.7	5.22	5,143	435	453	159	15.4	12	3,377	51.4	0.8	10.5	-0.001
0502 B	1/4/91	6,880.60	4.8	4.5	5,193	457	469	165	23.7	0	3,214	53	3.54	12.4	-0.001
0502 B	4/9/91	6,880.00	4.4	4.57	5,227	527	508	158	20	5	3,410	36.3	4	14	-0.001
0502 B	7/16/91	6,879.20	4.3	4.72	5,129	520	526	138	25.8	5	3,760	54.4	5.63	12.6	-0.001
0502 B	10/14/91	6,878.10	4.1	3.88	5,164	384	349	139	20.7	0	3,233	61.3	6.8	10.2	-0.001
0502 B	1/14/92	6,876.70	3.7	4.03	4,850	420	382	110	15.3	0	3,470	114	6.3	2.4	-0.001
0502 B	4/7/92	6,875.70	3.7	3.44	5,134	439	388	111	16.6	0	3,407	41.7	12.2	-0.1	-0.001
0502 B	7/7/92	6,874.50	3.6	3.67	5,229	513	461	97.3	16.4	0	3,424	20.4	9.1	-0.1	-0.001
0502 B	10/6/92	6,873.10	3.8	3.18	5,350	488	440	101	16.8	0	3,695	24.4	6.3	0.24	-0.001
0502 B	1/6/93	6,870.10	3.7	3.41	4,292	421	394	92	20.3	0	3,594	16.8	6.7	-0.1	-0.001
0502 B	4/6/93	6,870.20	3.7	3.24	4,837	409	367	111	19	0	3,579	43	7.2	-0.1	-0.001
0502 B	7/13/93	6,869.30	4.1	4.11	4,892	464	456	119	19.9	0	3,741	51.1	6.97	-0.1	-0.001
0502 B	10/6/93	6,865.40	4.2	3.94	4,832	450	432	121	16.1	0	3,706	35.9	6.69	0.1	-0.001
0502 B	1/5/94	6,867.20	4.1	2.89	5,012	475	435	128	14.6	0	3,674	45	6.63	18.2	-0.001
0502 B	4/13/94	6,867.20	4.2	3.45	5,054	486	432	127	14.3	0	3,656	37.4	10.2	-0.1	-0.001
0502 B	7/21/94	6,867.20	4.3	3.59	5,603	552	501	116	14.2	0	4,100	29	6.23	-0.1	-0.001
0502 B	10/5/94	6,867.20	4.3	4.23	5,017	470	489	129	14	0	3,739	29.4	5.86	-0.1	-0.001
0502 B	1/5/95	6,866.50	4.1	4.27	5,078	457	488	125	14.4	0	3,652	33.3	7.9	-0.1	-0.001
0502 B	4/5/95	6,866.40	4.2	3.89	5,106	484	494	122	13.6	0	3,860	24.2	6.4	-0.1	-0.001
0502 B	7/6/95	6,866.10	4.4	4.18	5,090	455	478	118	13.1	0	3,615	31	6.46	-0.1	-0.001
0502 B	10/4/95	6,866.10	4.5	4.42	4,852	445	470	123	12.8	0	3,555	29	5.39	0.3	-0.001
0502 B	1/4/96	6,866.10	4.2	3.82	5,022	470	485	122	13.3	0	3,710	29.3	3.16	-0.1	-0.001
0502 B	4/2/96	6,865.70	4.8	4.47	5,428	478	525	119	13.5	0	3,810	31.2	3.62	-0.1	-0.001
0502 B	7/7/96	6,865.40	4.5	3.4	5,317	460	475	120	14.2	0	3,550	34	3.83	0.11	-0.001
0502 B	10/1/96	6,865.50	4.7	3.72	5,570	480	517	123	13.9	0	3,648	29.3	3.58	-0.1	-0.001
0502 B	1/21/97	6,865.70	4.8	4.01	5,570	485	525	116	14	0	3,755	32.1	4.54	-0.1	-0.001
0502 B	4/8/97	6,864.80	4.7	4.39	5,610	506	550	145	13.4	0	3,960	31.2	3.03	-0.1	0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
0502 B	7/23/89	2.2	0.001	-0.05	-0.01	0.26	-0.05	6.9	9.3	0.24	0.003	-0.1	0.0543	17.2	-0.2	2.3	30.5
0502 B	10/11/89	2.2	0.009	-0.05	-0.01	0.19	-0.05	5.7	23	0.21	0.01	-0.1	0.064	9.8	18.1	4.1	23
0502 B	1/3/90	16	0.009	-0.05	-0.01	0.21	-0.05	5.8	22	0.27	0.003	-0.1	0.113	13.6	-0.2	6.7	9.3
0502 B	4/3/90	8.5	0.012	-0.05	-0.01	0.27	-0.05	7	19	0.32	0.004	-0.1	0.064	15.8	-0.2	2.8	9.4
0502 B	7/2/90	22.7	0.027	-0.05	-0.01	0.28	-0.05	8.9	9.1	0.33	0.003	-0.1	0.204	27.4	-0.2	7.9	15
0502 B	10/2/90	2.4	0.014	-0.05	-0.01	0.39	-0.05	9	5.2	0.38	0.002	-0.1	0.054	16.0	-0.2	-1	15
0502 B	1/4/91	22.4	0.024	0.03	-0.01	0.52	-0.05	11.1	2.1	0.55	0.002	-0.1	0.208	30.0	-0.2	-1	18
0502 B	4/9/91	15.7	0.003	-0.05	-0.01	0.4	-0.05	8.51	0.68	0.44	0.001	-0.1	0.2058	26.2	-0.2	-1	12
0502 B	7/16/91	1	0.009	-0.01	-0.01	0.59	-0.05	12.56	0.85	0.66	-0.001	-0.1	0.323	23.5	-0.2	2.9	13
0502 B	10/14/91	54.2	0.004	0.012	-0.01	0.68	-0.05	13.6	1.01	0.78	0.001	-0.1	0.28	29.8	-0.2	-1	18
0502 B	1/14/92	74.7	0.023	0.13	-0.01	0.67	-0.05	14.6	2.41	0.84	0.004	-0.1	0.344	4.5	-0.2	-1	3
0502 B	4/7/92	89.5	0.04	0.14	-0.01	0.71	-0.05	17.7	2.3	0.74	-0.001	-0.1	0.567	30.7	-0.2	2	12.7
0502 B	7/7/92	92.2	0.068	0.12	-0.01	0.75	-0.05	15.1	1.17	0.72	0.001	-0.1	0.43	24.2	-0.2	-1	8.4
0502 B	10/6/92	68.7	0.036	0.13	-0.01	0.79	-0.05	14.3	1	0.89	0.004	-0.1	0.552	26.5	-0.2	-1	10.4
0502 B	1/6/93	96.9	0.036	0.13	0.02	0.77	-0.05	16	0.6	1.02	-0.001	-0.1	0.715	38.7	-0.2	-1	19.9
0502 B	4/6/93	101	0.696	0.14	-0.01	0.75	-0.05	15.23	1.15	0.05	0.003	-0.1	0.812	34.8	-0.2	3.3	11.5
0502 B	7/13/93	87	0.018	-0.005	-0.01	0.97	-0.05	14.2	0.74	1.09	-0.001	-0.1	0.478	17.0	-0.2	-1	8.5
0502 B	10/6/93	57.8	0.004	0.09	-0.01	0.74	-0.05	12.4	0.51	0.93	-0.001	-0.1	0.177	21.8	-0.2	2	9
0502 B	1/5/94	57.1	0.007	0.08	-0.01	0.85	-0.05	12.6	0.41	0.78	-0.001	-0.1	0.347	16.2	-0.2	1.1	20.4
0502 B	4/13/94	54.5	0.005	0.05	-0.01	0.7	-0.05	10.5	0.41	0.79	-0.001	-0.1	0.332	14.4	-0.2	3.8	18.3
0502 B	7/21/94	44.2	0.003	0.04	-0.01	0.82	-0.05	12	0.35	0.97	-0.001	-0.1	0.205	19.2	-0.2	4.4	24.3
0502 B	10/5/94	26.7	0.004	0.03	-0.01	0.64	-0.05	9.18	0.28	0.7	-0.001	-0.1	0.188	13.3	-0.2	1.2	16.6
0502 B	1/5/95	32.3	-0.001	0.04	-0.01	0.72	-0.05	10.5	0.2	0.85	-0.001	-0.1	0.211	16.9	-0.2	-1	19.2
0502 B	4/5/95	27.2	0.003	0.03	-0.01	0.81	-0.05	11.1	0.19	0.74	-0.001	-0.1	0.191	17.0	-0.2	2	21.3
0502 B	7/6/95	16.9	0.005	0.02	-0.01	0.69	-0.05	9.65	0.19	0.77	-0.001	-0.1	0.1321	14.5	-0.2	2	24
0502 B	10/4/95	13.3	0.001	0.02	-0.01	0.66	-0.05	9.2	0.15	0.73	-0.001	-0.1	0.129	23.6	-0.2	-1	16.6
0502 B	1/4/96	16.1	0.002	0.02	-0.01	0.66	-0.05	10.3	0.12	0.72	-0.001	-0.1	0.134	21.7	-0.2	2.7	11.6
0502 B	4/2/96	12.1	0.001	0.02	-0.01	0.63	-0.05	9.08	0.11	0.66	-0.001	-0.1	0.154	19.6	2.1	-1	11.2
0502 B	7/7/96	16.9	0.002	-0.01	-0.01	0.68	-0.05	10.3	0.13	0.74	-0.001	-0.1	0.148	30.6	0.6	5.3	16.2
0502 B	10/1/96	13.6	0.001	0.02	-0.01	0.62	-0.05	9.6	-0.1	0.68	0.002	-0.1	0.105	28.9	1.1	-1	16.3
0502 B	1/21/97	18.3	0.002	0.02	-0.01	0.63	-0.05	10.7	-0.1	0.67	-0.001	-0.1	0.138	29.4	-0.2	-1	8.2
0502 B	4/8/97	9.48	-0.001	0.01	-0.01	0.54	-0.05	5.3	0.67	0.48	-0.001	-0.1	0.12	35.8	-0.2	-1	26.1

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
	NRC Standard	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.001**
	EPA Standard	**NA**	**NA**	**NA**	**4,800**	**NA**	**NA**	**NA**	**NA**	**NA**	**2,125**	**250**	**NA**	**190**	**NA**
0502 B	7/8/97	6,864.40	5.7	4.2	5,710	516	557	125	14.8	0	4,000	32.9	3.94	-0.1	-0.001
0502 B	10/8/97	6,865.00	4.3	3.75	5,700	492	523	110	13.1	0	3,590	34	4.01	-0.1	-0.001
0502 B	1/16/98	6,864.20	4.8	4.62	5,720	479	522	118	14.3	2	3,700	33.5	5.14	-0.1	-0.001
0502 B	4/7/98	6,864.30	4.3	3.99	5,730	485	536	113	13	0	3,570	28.6	3.27	-0.1	-0.001
0502 B	7/7/98	6,864.90	4.6	4.11	5,570	480	536	115	13.6	0	3,500	29.7	3.85	-0.1	-0.001
0502 B	10/6/98	6,865.10	4.46	4.54	5,840	500	559	120	14.7	0	3,720	28.3	0.9	-0.1	-0.001
0502 B	1/6/99	6,863.90	4.2	4.53	5,870	483	568	124	12.7	0	4,000	29.6	3.72	-0.1	-0.001
0502 B	4/6/99	6,864.00	4.5	4.79	5,880	472	545	108	13.2	4	3,730	34.7	3.54	-0.1	-0.001
0502 B	7/13/99	6,863.30	4.7	3.9	5,820	487	580	100	14.2	0	3,800	24.9	3.25	-0.1	-0.001
0502 B	10/5/99	6,863.70	4.25	3.78	5,830	503	612	114	13.6	0	4,050	31.2	3.87	-0.1	-0.001
0502 B	1/4/00	6,863.90	4.3	4.29	5,750	469	572	105	14	0	3,720	28.9	3.29	-0.1	-0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
0502 B	7/8/97	15.1	-0.001	-0.01	-0.01	0.59	-0.05	10.1	-0.1	0.56	-0.001	-0.1	0.132	26.1	-0.2	4.6	12.7
0502 B	10/8/97	7.71	0.008	0.01	-0.01	0.66	-0.05	11.4	0.11	0.63	-0.001	-0.1	0.089	26.0	-0.2	-1	10.7
0502 B	1/16/98	11.8	0.003	0.01	-0.01	0.58	-0.05	10.7	0.11	0.64	-0.001	0.1	0.13	28.7	-0.2	-1	21.2
0502 B	4/7/98	8.5	-0.001	0.01	0.005	0.5	-0.05	9.35	-0.1	0.52	-0.001	-0.1	0.126	36.2	-0.2	-1	11.9
0502 B	7/7/98	8.32	-0.001	0.01	0.006	0.5	-0.05	10.2	0.14	0.53	-0.001	-0.1	0.131	36.9	-0.2	-1	18
0502 B	10/6/98	6.74	0.005	-0.01	0.006	0.5	-0.05	9.7	0.11	0.54	-0.001	-0.1	0.121	30.6	-0.2	15.4	15.4
0502 B	1/6/99	8.16	-0.001	0.01	0.006	0.47	-0.05	9.65	-0.1	0.52	-0.001	-0.1	0.135	26.8	-0.2	18.1	18.1
0502 B	4/6/99	6.86	-0.001	-0.01	0.009	0.55	-0.05	10.5	-0.1	0.54	-0.001	-0.1	0.125	29.6	1.4	27.1	27.1
0502 B	7/13/99	6.14	-0.001	-0.01	0.006	0.42	-0.05	10.6	-0.1	0.42	-0.001	-0.1	0.12	25.7	-0.2	-1	14.4
0502 B	10/5/99	8.31	-0.001	-0.01	0.008	0.57	-0.05	12	0.14	0.49	-0.001	-0.1	0.132	36.0	-0.2	-1	13.1
0502 B	1/4/00	7.15	-0.001	0.02	-0.005	0.5	-0.05	11.4	-0.1	0.53	-0.001	-0.1	0.131	24.0	-0.2	-1	9.8

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001
EPA Standard		NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA
0504 B	7/23/89	6,868.10	6.2	6.5	4,631	515	440	172	10.5	293	3,027	37.9	0.49	0.05	-0.001
0504 B	10/11/89	6,867.30	5.9	6.68	4,674	491	384	150	13.8	271	2,947	39	0.58	0.23	-0.001
0504 B	1/3/90	6,865.90	5.7	6.36	4,458	497	373	146	11	217	2,793	35.9	0.7	0.05	-0.001
0504 B	4/3/90	6,864.60	6	6.3	4,622	503	407	144	10.8	203	2,751	36.9	0.79	0.08	-0.001
0504 B	7/2/90	6,863.50	5.6	6.32	4,598	554	424	143	10.6	229	2,931	33.2	0.36	0.06	-0.001
0504 B	10/2/90	6,862.70	5.8	6.71	4,631	469	456	146	10.5	198	3,067	33.7	0.39	0.02	-0.001
0504 B	1/3/91	6,862.70	5.7	6.25	4,687	534	446	140	31.6	166	3,022	32.5	0.86	0.08	-0.001
0504 B	4/9/91	6,861.70	5.6	6.51	4,678	531	437	134	13.5	159	2,979	30.9	0.74	0.07	-0.001
0504 B	7/16/91	6,860.70	5.6	6.3	4,769	535	392	132	10.8	161	3,427	33.1	0.91	0.1	-0.001
0504 B	10/14/91	6,857.30	5.8	6.62	4,495	456	269	131	8.3	245	2,640	39.2	0.44	0.03	-0.001
0504 B	1/14/92	6,855.40	5.4	6.06	5,014	502	378	161	10.8	121	3,119	40.3	3.1	-0.01	-0.001
0504 B	4/7/92	6,855.90	5.4	6.21	5,112	500	473	162	13.1	207	3,372	31.4	0.92	-0.1	-0.001
0504 B	7/7/92	6,855.80	5.1	7.63	5,218	578	463	194	14.1	51	3,249	41	0.63	-0.1	-0.001
0504 B	10/6/92	6,851.70	5.4	5.85	5,061	593	430	185	13.9	63	3,278	37.3	0.84	-0.1	-0.001
0504 B	1/21/93	6,849.90	5.4	5.9	4,440	525	378	159	14.3	38	3,194	43.2	0.93	-0.1	-0.001
0504 B	4/14/93	6,849.90	5.6	6.5	4,825	519	494	171	10.4	83	3,373	37.6	0.76	-0.1	-0.001
0504 B	7/15/93	6,848.40	5.6	4.91	4,659	540	464	160	14.8	13	3,430	41.2	0.93	-0.1	-0.001
0504 B	10/6/93	6,844.70	5.7	5.67	4,372	543	385	155	11	28	3,129	33.5	0.6	0.2	-0.001
0504 B	1/5/94	6,847.00	5.7	6.01	5,244	578	450	145	10.6	59	3,491	38.7	0.8	-0.1	-0.001
0504 B	4/13/94	6,846.50	5.8	6.01	5,083	580	433	138	10.6	48	3,448	37.9	1.82	-0.1	-0.001
0504 B	7/21/94	6,846.30	5.9	6.25	4,998	600	452	135	11.1	63	3,467	32.3	0.91	-0.1	-0.001
0504 B	10/5/94	6,846.30	5.8	6.56	5,208	604	489	176	12.5	68	3,421	35.5	1.4	-0.1	-0.001
0504 B	1/5/95	6,844.80	5.8	6.41	4,827	570	406	152	12.2	117	3,232	35.8	1.38	-0.1	-0.001
0504 B	4/5/95	6,845.00	5.8	7.46	5,199	527	487	145	11.3	35	3,710	37.1	1.49	-0.1	-0.001
0504 B	7/6/95	6,845.10	6.3	6.51	4,787	515	470	145	11.7	59	3,298	33.5	1.64	-0.1	-0.001
0504 B	10/4/95	6,844.10	6	6.7	4,530	490	450	151	11.6	71	3,315	33	1.36	0.23	-0.001
0504 B	1/4/96	6,843.30	6.2	6.44	4,519	530	455	156	11.3	92	3,116	32	0.66	1.68	-0.001
0504 B	4/2/96	6,843.10	7	6.82	5,270	530	515	59.4	13.1	62	3,630	37.5	0.74	-0.1	-0.001
0504 B	7/7/96	6,842.70	6	6.22	5,316	515	475	153	13.4	44	3,440	39.2	0.67	-0.1	-0.001
0504 B	10/1/96	6,842.20	6.3	6	5,260	539	509	154	12.7	54	3,427	34.6	0.62	-0.1	-0.001
0504 B	1/21/97	6,843.90	6.1	5.61	5,220	515	525	149	14.1	9	3,530	34.2	0.72	-0.1	-0.001
0504 B	4/8/97	6,842.10	6.1	6.92	5,180	537	534	145	12.5	76	3,640	37.5	0.61	-0.1	0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
0504 B	7/23/89	0.25	0.113	-0.05	-0.01	0.14	-0.05	2.5	24	0.24	0.001	-0.1	0.1	32.4	-0.2	-1	66.1
0504 B	10/11/89	0.2	0.054	-0.05	0.09	0.26	-0.05	3.1	9.9	0.37	-0.001	-0.1	0.122	23.3	11.1	2.7	27.5
0504 B	1/3/90	0.22	0.025	-0.05	-0.01	0.16	-0.05	2.3	4.2	0.25	0.001	-0.1	0.286	28.2	1.6	5.7	18.1
0504 B	4/3/90	-0.1	0.017	-0.05	-0.01	0.3	-0.05	4.1	7.8	0.52	0.001	-0.1	0.101	29.2	-0.2	1.6	12.5
0504 B	7/2/90	-0.1	0.023	-0.05	-0.01	0.28	-0.05	3.8	8.32	0.45	0.001	-0.1	0.1468	36.2	-0.2	3.3	20
0504 B	10/2/90	-0.1	0.021	-0.05	-0.01	0.34	-0.05	3.6	13.3	0.46	-0.001	-0.1	0.13	31.2	-0.2	-1	20
0504 B	1/3/91	-0.1	0.002	-0.01	-0.01	0.49	-0.05	4.85	3.6	0.6	0.001	-0.1	0.3797	38.9	-0.2	-1	25
0504 B	4/9/91	-0.1	0.001	-0.05	-0.01	0.35	-0.05	4.39	2.83	0.49	-0.001	-0.1	0.147	40.9	-0.2	-1	25
0504 B	7/16/91	-0.1	-0.001	-0.01	-0.01	0.43	-0.05	4.47	2.7	0.54	-0.001	-0.1	0.279	28.0	-0.2	3.2	16
0504 B	10/14/91	-0.1	0.573	-0.01	-0.01	0.22	-0.05	2.96	75	0.3	-0.001	-0.1	0.14	9.0	-0.2	-1	7
0504 B	1/14/92	-0.1	0.34	-0.01	-0.01	0.5	-0.05	5.08	43.4	0.67	-0.001	-0.1	0.029	22.2	-0.2	-1	16
0504 B	4/7/92	-0.1	0.035	-0.01	-0.01	0.53	-0.05	7.1	9.6	0.63	0.002	-0.1	0.124	20.1	-0.2	-1	7.6
0504 B	7/7/92	-0.1	0.388	-0.01	-0.01	0.7	-0.05	6.66	56.4	0.88	0.001	-0.1	0.02	13.0	-0.2	-1	8.5
0504 B	10/6/92	1.1	0.257	-0.01	-0.01	0.66	-0.05	6.88	49.8	0.91	0.002	-0.1	0.042	20.4	-0.2	-1	12.5
0504 B	1/21/93	1.3	0.181	-0.01	-0.01	0.57	-0.05	7.05	45.4	0.9	-0.001	-0.1	0.033	13.3	-0.2	4.7	10
0504 B	4/14/93	0.1	0.042	-0.01	-0.01	-0.01	-0.05	5.94	12.7	0.67	-0.001	-0.1	0.176	20.8	-0.2	-1	10.5
0504 B	7/15/93	1.17	0.139	-0.01	-0.01	1	-0.05	6.68	12.4	1.27	0.002	-0.1	0.064	17.0	-0.2	-1	9.9
0504 B	10/6/93	0.17	0.014	-0.01	-0.01	0.52	-0.05	4.94	7	0.7	-0.001	-0.1	0.051	21.5	-0.2	-1	15
0504 B	1/5/94	-0.1	0.041	-0.01	-0.01	0.46	-0.05	6	3.4	0.54	-0.001	-0.1	0.085	37.1	-0.2	-1	46.1
0504 B	4/13/94	-0.1	0.019	-0.01	-0.01	0.52	-0.05	6.09	4.97	0.73	-0.001	-0.1	0.059	31.1	-0.2	2.6	29
0504 B	7/21/94	0.15	0.012	-0.01	-0.01	0.45	-0.05	5.8	1.03	0.6	-0.001	-0.1	0.084	41.6	-0.2	2.5	53.4
0504 B	10/5/94	-0.1	0.01	-0.01	-0.01	0.36	-0.05	5.14	5.36	0.54	-0.001	-0.1	0.081	28.3	-0.2	2	35.4
0504 B	1/5/95	-0.1	0.009	-0.01	-0.01	0.37	-0.05	4.62	0.85	0.51	-0.001	-0.1	0.123	39.7	-0.2	-1	49
0504 B	4/5/95	-0.1	0.011	-0.01	-0.01	0.54	-0.05	6.2	2.67	0.56	-0.001	-0.1	0.073	31.6	-0.2	-1	39.2
0504 B	7/6/95	-0.1	0.01	-0.01	-0.01	0.47	-0.05	5.63	2.11	0.58	-0.001	-0.1	0.0792	27.0	-0.2	1.3	51.9
0504 B	10/4/95	-0.1	0.008	-0.01	-0.01	0.47	-0.05	5.5	0.77	0.61	-0.001	-0.1	0.078	34.8	-0.2	-1	25.5
0504 B	1/4/96	-0.1	0.005	-0.01	-0.01	0.43	-0.05	4.79	0.52	0.5	-0.001	-0.1	0.119	37.1	-0.2	3.4	27.4
0504 B	4/2/96	-0.1	0.01	-0.01	-0.01	0.5	-0.05	5.73	0.41	0.61	-0.001	-0.1	0.088	36.2	-0.2	-1	23.3
0504 B	7/7/96	-0.1	0.01	-0.01	-0.01	0.49	-0.05	6.04	0.47	0.63	-0.001	-0.1	0.081	47.5	0.7	2.3	20.4
0504 B	10/1/96	-0.1	0.005	-0.01	-0.01	0.48	-0.05	5.68	0.36	0.6	0.002	-0.1	0.072	40.1	0.8	-1	25.2
0504 B	1/21/97	0.16	0.017	-0.01	-0.01	0.41	-0.05	6	0.64	0.57	-0.001	-0.1	0.057	48.9	-0.2	-1	14.1
0504 B	4/8/97	-0.1	-0.001	-0.01	-0.01	0.37	-0.05	5.3	0.67	0.48	-0.001	-0.1	0.106	43.9	-0.2	-1	43.7

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.001**
EPA Standard		NA	NA	NA	**4,800**	NA	NA	NA	NA	NA	**2,125**	**250**	NA	**190**	NA
0504 B	7/8/97	6,841.30	7.1	6.53	5,390	564	565	153	13.8	43	3,850	37.7	0.67	-0.1	-0.001
0504 B	10/8/97	6,841.70	5.7	6.4	5,350	531	519	141	12.3	26	3,430	37.5	0.78	0.15	-0.001
0504 B	1/16/98	6,841.20	5.8	6.6	5,360	517	520	152	13.4	33	3,500	36.4	1.12	0.1	-0.001
0504 B	4/7/98	6,841.00	5.7	5.91	5,420	518	529	146	12.3	19	3,350	32.4	0.76	-0.1	-0.001
0504 B	7/7/98	6,841.00	6	4.34	5,140	503	519	153	12.7	0	3,550	33	0.96	-0.1	-0.001
0504 B	10/6/98	6,841.20	5.7	6.33	5,340	543	555	158	13.8	30	3,500	32.7	3.99	0.29	-0.001
0504 B	1/6/99	6,841.00	5.6	6.36	5,340	463	524	141	12.3	38	3,700	33	0.7	0.19	-0.001
0504 B	4/6/99	6,841.20	5.5	6.53	5,370	508	542	140	12.4	31	3,440	38.6	0.8	-0.1	-0.001
0504 B	7/13/99	6,840.81	6.5	6.51	5,350	522	558	132	13.3	28	3,500	32	0.75	0.38	-0.001
0504 B	10/5/99	6,841.40	5.73	5.53	5,260	540	583	152	12.5	9	3,740	34	0.96	0.26	-0.001
0504 B	1/4/00	6,841.50	6	7.11	5,220	497	543	135	12.7	31	3,380	30.2	0.64	0.5	-0.001
0504 B	5/1/00	6,841.40	5.6	6.69	5,500	474	526	134	12.3	51	3,480	34	0.75	-0.1	-0.001
0504 B	7/10/00	6,841.30	5.45	6.2	5,510	506	570	150	12.3	48	3,440	28.4	0.68	-0.1	-0.001
0504 B	10/2/00	6,841.40	6.52	6.28	5,650	510	620	147	13.8	44	3,740	33	0.53	-0.1	-0.001
0504 B	1/15/01	6,841.80	5.02	5.92	5,590	480	564	135	12.5	43	4,100	34.6	0.71	-0.1	-0.001
0504 B	4/2/01	6,841.80	7.5	6.02	5,590	479	595	153	12.1	13	3,480	29.3	0.88	-0.1	-0.001
0504 B	7/16/01	6,841.70	3.5	3.7	5,810	458	590	134	24.3	0	3,570	44	0.84	-0.1	-0.001
0504 B	10/8/01	6,841.85	3.55	5.8	5,920	450	590	132	12.3	27	3,300	35.9	0.77	-0.1	-0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
0504 B	7/8/97	0.17	0.017	-0.01	-0.01	0.38	-0.05	5.81	1.38	0.49	-0.001	-0.1	0.068	43.2	-0.2	-1	17
0504 B	10/8/97	0.16	0.02	-0.01	-0.01	0.45	-0.05	6.71	4.69	0.56	-0.001	-0.1	0.087	34.7	-0.2	-1	16.3
0504 B	1/16/98	1.15	0.025	-0.01	-0.01	0.41	-0.05	6.37	6.75	0.57	-0.001	-0.1	0.1607	39.2	-0.2	-1	42
0504 B	4/7/98	0.22	0.024	-0.01	-0.005	0.32	-0.05	5.4	7.43	0.43	-0.001	-0.1	0.0594	36.9	-0.2	-1	18.7
0504 B	7/7/98	0.23	0.013	-0.01	-0.005	0.31	-0.05	5.78	8.79	0.44	-0.001	-0.1	0.0359	34.6	-0.2	-1	20
0504 B	10/6/98	0.24	0.019	-0.01	-0.005	0.31	-0.05	5.48	9.2	0.446	-0.001	-0.1	0.0378	29.1	-0.2	-1	15.8
0504 B	1/6/99	0.33	0.025	-0.01	0.007	0.3	-0.05	5.6	12.4	0.42	-0.001	-0.1	0.0435	34.4	-0.2	-1	32
0504 B	4/6/99	0.37	0.015	-0.01	-0.005	0.33	-0.05	5.8	9.48	0.43	-0.001	-0.1	0.0531	36.3	-0.2	-1	50
0504 B	7/13/99	0.17	0.02	-0.01	-0.005	0.24	-0.05	5.7	14.6	0.35	-0.001	-0.1	0.0288	25.7	-0.2	-1	17.3
0504 B	10/5/99	-0.1	0.022	-0.01	0.007	0.33	-0.05	6.27	16.3	0.4	0.001	-0.1	0.0392	29.9	-0.2	-1	12.6
0504 B	1/4/00	-0.1	0.021	-0.01	-0.005	0.32	-0.05	6.02	14.5	0.48	-0.001	-0.1	0.0454	28.5	-0.2	-1	12.3
0504 B	5/1/00	0.3	0.033	-0.01	0.025	0.34	-0.05	6.67	15.7	0.51	-0.001	-0.1	0.0388	37.6	-0.2	-1	22.6
0504 B	7/10/00	0.21	0.025	-0.01	-0.005	0.3	-0.05	6.18	13.4	0.41	-0.001	-0.1	0.0498	34.2	-0.2	-1	21
0504 B	10/2/00	0.2	0.033	-0.01	-0.005	0.35	-0.05	6.23	14.3	0.36	-0.001	-0.1	0.0226	30.8	-0.2	-1	25
0504 B	1/15/01	0.2	0.028	-0.01	0.008	0.29	-0.05	5.99	12.3	0.44	-0.001	-0.1	0.031	33.6	-0.2	-1	18.7
0504 B	4/2/01	0.3	0.026	-0.01	-0.005	0.31	-0.05	6.2	12.9	0.48	-0.001	-0.1	0.027	36.3	-0.2	-1	15.5
0504 B	7/16/01	0.3	0.036	-0.01	-0.005	0.28	-0.05	6.2	10.5	0.43	-0.001	-0.1	0.028	43.8	-0.2	-1	16.9
0504 B	10/8/01	0.16	0.026	-0.01	-0.005	0.22	-0.05	5.3	7.49	0.29	-0.001	-0.1	0.0257	36.0	-0.2	-1	23

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001
EPA Standard		NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA
0517	7/23/89	6,899.70	6	6.51	3,617	543	291	111	4.5	303	2,079	20.9	0.53	39	0.0011
0517	10/11/89	6,893.20	6.1	6.5	3,738	507	290	117	6.8	298	2,199	21.8	0.31	43	-0.001
0517	1/3/90	6,894.80	5.4	5.9	4,096	523	318	138	8.1	168	2,434	27.9	0.74	45	-0.001
0517	4/3/90	6,892.60	5.6	6.24	4,306	515	360	140	8.1	220	2,556	28.3	0.9	44	-0.001
0517	7/2/90	6,892.90	5.6	6.2	4,318	526	387	127	7	231	2,456	26.1	0.26	47.8	-0.001
0517	10/16/90	6,892.60	5.5	6.3	4,083	440	532	131	7.2	170	2,574	22.8	0.36	27.1	-0.001
0517	1/16/91	6,893.60	5.7	6.42	4,235	554	385	157	8.1	227	2,706	27.5	0.25	49.3	-0.001
0517	4/10/91	6,894.50	5.7	6.8	4,204	541	376	136	6.2	284	2,370	31.4	0.27	61	-0.001
0517	7/16/91	6,891.60	5.6	6.42	4,550	546	353	136	6.8	215	3,014	50.3	0.25	67	0.0026
0517	10/14/91	6,887.60	5.5	6.39	5,348	452	393	175	6.2	142	3,173	77.6	0.39	30.3	0.0032
0517	1/14/92	6,888.80	5.3	6.04	5,847	490	544	185	7.2	117	3,571	76.9	1.76	36.1	0.0032
0517	4/7/92	6,888.80	5.3	7.19	5,539	518	495	199	8.1	103	3,457	61.7	2.32	26.7	0.0034
0517	7/7/92	6,884.70	5.2	6.91	5,413	528	480	195	9.68	85	3,334	66.3	3.78	40.5	0.004
0517	10/6/92	6,882.60	5.2	6.73	5,109	530	451	186	7	73	3,169	62.9	3.29	41.8	0.0041
0517	1/6/93	6,883.20	5.3	6.88	4,169	459	374	148	6.9	76	2,856	75.8	1.13	48.1	0.0067
0517	4/6/93	6,884.20	5.3	6.08	4,493	458	438	183	6.1	71	3,066	74.1	3.76	34.5	0.007
0517	7/13/93	6,882.10	5.4	5.64	5,166	557	498	195	9.4	46	3,734	77.5	11.9	38.5	0.0088
0517	10/6/93	6,880.10	4.8	4.49	5,918	589	508	185	10.3	2	3,901	79.6	26.9	39.3	-0.001
0517	1/5/94	6,880.00	4.9	4.6	5,674	518	461	195	11	6	3,740	88.4	6.52	33.8	0.0095
0517	4/13/94	6,879.70	4.3	4.29	5,770	515	479	204	12	0	3,883	108	7.25	27.8	0.0085
0517	7/20/94	6,878.60	5.1	4.36	6,115	604	516	177	11.7	0	4,308	85.9	34.2	32.9	-0.001
0517	10/4/94	6,878.00	4.8	4.33	6,218	554	551	204	12.5	0	4,563	82.5	22.4	42.5	0.0045
0517	1/4/95	6,877.20	4.7	4.46	5,507	517	465	178	11	0	3,665	66.2	40.4	40.3	0.0032
0517	4/4/95	6,876.80	5.2	4.72	4,608	514	338	143	6.5	7	2,999	54	17.8	44.9	0.0014
0517	7/6/95	6,875.90	4.7	4.57	4,312	500	365	142	6.7	2	3,040	48	36.1	16.4	0.00176
0517	10/3/95	6,875.10	4.6	4.39	5,058	465	469	185	11	0	3,745	12.7	41.4	7.29	0.00425
0517	1/3/96	6,874.40	4.5	4.1	5,807	510	530	174	10.1	0	4,100	61.2	28.6	1.51	0.00505
0517	4/2/96	6,874.00	4.6	4.44	5,804	481	550	170	10.5	0	3,995	61.9	27.8	1.38	0.00521
0517	7/7/96	6,873.80	4.5	4.33	5,635	460	485	175	10.6	0	3,590	67	24.9	1.44	0.00526
0517	10/1/96	6,873.60	4.8	4.3	5,520	477	518	182	10.5	0	3,578	66	22.5	1.35	0.00439
0517	1/22/97	6,873.50	4.5	4.73	5,210	485	515	175	10.2	6	3,585	68	21.1	1.47	0.00487
0517	4/8/97	6,873.30	5.1	4.69	5,260	485	526	169	9.9	4	3,710	69.5	18.8	1.11	0.00422

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	5.0	5.0	1.0	15.0
EPA Standard		5.0	0.05	0.017	0.01	0.05	0.05	2.6	1.0	0.2	0.01	0.7	5.0	5.0	NA	NA	15.0
0517	7/23/89	-0.1	-0.001	-0.05	-0.01	-0.01	-0.05	0.58	0.14	-0.05	0.001	-0.1	0.252	21.4	-0.2	2.1	44.1
0517	10/11/89	-0.1	-0.001	-0.05	-0.01	0.01	0.06	0.64	0.18	-0.05	0.013	-0.1	0.196	8.5	-0.2	2.8	4.7
0517	1/3/90	0.11	-0.001	-0.05	-0.01	0.01	-0.05	1.3	0.32	-0.05	0.001	-0.1	0.088	13.4	-0.2	4.5	10.5
0517	4/3/90	0.11	-0.001	-0.05	-0.01	0.03	-0.05	2	0.16	-0.05	-0.001	-0.1	0.09	19.5	-0.2	1	10.8
0517	7/2/90	0.1	-0.001	-0.05	-0.01	0.01	-0.05	1.81	0.2	-0.05	0.001	-0.1	0.136	10.5	-0.2	1.2	10
0517	10/16/90	-0.1	-0.001	-0.05	-0.01	0.04	-0.05	2.89	0.1	0.09	-0.001	-0.1	0.046	12.5	-0.2	-1	10
0517	1/16/91	-0.1	-0.001	-0.01	-0.01	0.04	-0.05	2.37	-0.1	0.05	0.001	-0.1	0.0814	11.0	-0.2	-1	11.3
0517	4/10/91	-0.1	-0.001	-0.01	-0.01	0.06	-0.05	2.93	0.17	0.11	0.001	-0.1	0.1666	16.4	-0.2	-1	8
0517	7/16/91	-0.1	-0.001	-0.01	-0.01	0.04	-0.05	2.63	0.06	0.01	-0.001	-0.1	0.149	15.6	-0.2	-1	9
0517	10/14/91	0.12	0.001	-0.01	-0.01	0.12	-0.05	4.46	0.1	0.06	-0.001	-0.1	0.03	11.2	-0.2	-1	5
0517	1/14/92	0.13	-0.001	-0.01	-0.01	0.13	-0.05	5.29	0.11	0.09	0.026	-0.1	0.012	19.9	-0.2	1.3	14
0517	4/7/92	-0.1	0.002	-0.01	-0.01	0.12	-0.05	5.69	-0.1	0.1	0.02	-0.1	0.03	19.8	-0.2	1.3	6.6
0517	7/7/92	0.15	-0.001	0.094	-0.01	0.12	-0.05	4.27	-0.1	0.07	0.001	-0.1	0.006	20.6	-0.2	-1	6.9
0517	10/6/92	0.1	-0.001	-0.005	-0.01	0.13	-0.05	3.92	-0.1	0.12	0.005	-0.1	0.007	36.7	-0.2	-1	8.9
0517	1/6/93	0.1	-0.001	-0.01	-0.01	0.1	-0.05	3.38	-0.1	0.11	0.003	-0.1	0.011	45.9	-0.2	-1	10.6
0517	4/6/93	-0.1	-0.001	-0.005	-0.01	0.11	-0.05	4.66	-0.1	0.11	0.002	-0.1	0.007	28.0	-0.2	-1	6.9
0517	7/13/93	0.86	-0.001	-0.005	-0.01	0.2	-0.05	7.27	-0.1	0.17	0.001	-0.1	0.003	28.8	-0.2	3.6	10.9
0517	10/6/93	11.2	-0.001	-0.005	-0.01	0.32	-0.05	12.2	-0.1	0.38	-0.001	-0.1	0.003	50.1	-0.2	-1	20.5
0517	1/5/94	11.1	-0.001	-0.01	-0.01	0.31	-0.05	11.6	-0.1	0.27	-0.001	-0.1	0.017	54.1	-0.2	1.1	69.8
0517	4/13/94	96	-0.001	-0.01	-0.01	0.67	-0.05	18.5	-0.1	0.72	-0.001	-0.1	0.068	61.5	-0.2	4.5	81.9
0517	7/20/94	22.9	-0.001	-0.01	-0.01	0.41	-0.05	12.3	-0.1	0.32	-0.001	-0.1	0.03	54.5	-0.2	-1	69.9
0517	10/4/94	67.1	-0.001	-0.01	-0.01	0.67	-0.05	18.1	0.11	0.51	-0.001	-0.1	0.061	38.6	-0.2	-1	48
0517	1/4/95	42.4	-0.001	-0.01	-0.01	0.28	-0.05	10.5	-0.1	0.27	-0.001	-0.1	0.05	57.1	-0.2	-1	69.3
0517	4/4/95	10.5	-0.001	-0.01	-0.01	0.14	-0.05	5.65	-0.01	0.11	-0.001	-0.1	0.043	34.7	-0.2	-1	43.8
0517	7/6/95	14.4	-0.001	-0.01	-0.01	0.21	-0.05	6.21	-0.01	0.17	-0.001	-0.1	0.0684	36.2	1	3.8	69.1
0517	10/3/95	47	0.004	-0.01	-0.01	0.16	-0.05	3	-0.1	-0.05	0.007	-0.1	0.1421	53.9	1.9	-1	94.8
0517	1/3/96	40	0.001	0.02	-0.01	0.83	-0.05	13.7	-0.1	0.79	0.002	-0.1	0.125	29.0	1.9	1.8	44.6
0517	4/2/96	27.3	-0.001	0.01	-0.01	0.82	-0.05	12.2	-0.1	0.72	-0.001	-0.1	0.149	31.8	1.4	21.4	34.6
0517	7/7/96	21.2	-0.001	0.01	-0.01	0.78	-0.05	12.1	-0.1	0.71	-0.001	-0.1	0.113	33.1	1.3	5.4	25.5
0517	10/1/96	16.6	-0.001	-0.01	-0.01	0.71	-0.05	10.9	-0.1	0.66	0.002	-0.1	0.087	30.6	1.5	-1	29.5
0517	1/22/97	15.8	0.001	-0.01	-0.01	0.67	-0.05	10.5	-0.1	0.6	-0.001	-0.1	0.076	27.6	-0.2	-1	12
0517	4/8/97	11.2	-0.001	-0.01	-0.01	0.62	-0.05	9.18	-0.1	0.56	-0.001	-0.1	0.077	35.0	-0.2	-1	58.5

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.001**
EPA Standard		**NA**	**NA**	**NA**	**4,800**	**NA**	**NA**	**NA**	**NA**	**NA**	**2,125**	**250**	**NA**	**190**	**NA**
0517	7/8/97	6,872.70	5.1	4.59	5,350	487	517	179	10.4	2	3,470	71.6	20.1	2.58	0.00446
0517	10/7/97	6,872.60	4.5	4.35	5,310	504	503	165	9.9	0	3,390	74	21.4	4.08	0.00608
0517	1/15/98	6,872.40	4.5	4.63	5,240	507	506	172	10.1	3	3,600	64.7	20	4.63	0.0051
0517	4/7/98	6,872.50	4.5	4.57	5,250	478	486	164	9.2	2	3,240	58.8	17.7	4.23	0.0057
0517	7/7/98	6,872.40	4.8	4.45	5,170	480	486	173	9.7	0	3,500	61.8	18.7	4.83	0.0059
0517	10/6/98	6,872.20	4.56	4.56	5,170	506	505	171	10.2	1	3,420	59.9	40.9	5.59	
0517	1/5/99	6,871.80	4.6	4.6	5,220	433	477	158	9	2	3,500	57.8	17	4.12	0.0045
0517	4/6/99	6,870.90	4.5	4.72	5,110	472	478	156	9.4	4	3,260	62.5	15.3	4.45	0.0036
0517	7/13/99	6,871.32	4.6	4.09	5,010	392	493	149	10	0	3,300	52.6	14.4	4.19	0.0044
0517	10/5/99	6,869.10	4.5	4.4	4,970	515	520	164	8.9	0	3,510	54.7	13.7	4.42	0.005
0517	1/4/00	6,870.80	4.5	4.67	4,830	476	476	146	9.7	3	3,150	50.2	12.5	5.16	0.0045
0517	5/1/00	6,871.60	4.5	4.67	4,750	436	415	146	9.5	5	3,000	54.6	13	3.77	0.0054
0517	7/18/00	6,871.30	4.55	4.7	4,800	461	435	149	8.56	7	2,850	50.6	12.5	3.95	0.0051
0517	10/2/00	6,871.55	4.54	4.78	4,720	467	451	154	9.69	6	2,990	48.6	11.5	3.05	0.0037
0517	1/15/01	6,871.75	4.8	4.6	4,640	447	396	145	9	3	3,220	53.2	12	3.62	0.0036
0517	4/9/01	6,871.75	4.9	4.75	5,180	527	481	143	8.6	7	3,870	60.5	40.4	4.15	0.0037
0517	7/10/01	6,871.45	4.36	4.65	4,670	462	430	145	8.5	3	2,900	45	9.95	2.61	0.007
0517	10/8/01	6,871.45	4.5	4.6	4,690	430	390	132	8.3	3	2,600	55.1	10	2.9	0.0037

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
0517	7/8/97	14.4	-0.001	-0.01	-0.01	0.64	-0.05	10.5	-0.1	0.51	-0.001	-0.1	0.082	25.9	-0.2	-1	13.3
0517	10/7/97	18.2	-0.001	-0.01	-0.01	0.77	-0.05	11.3	-0.1	0.66	-0.001	-0.1	0.111	24.7	0.9	-1	10.5
0517	1/15/98	14.4	-0.001	-0.01	-0.01	0.59	-0.05	9	-0.1	0.54	-0.001	-0.1	0.0932	23.9	-0.2	-1	44.3
0517	4/7/98	12.7	-0.001	-0.01	0.007	0.55	-0.05	8.15	-0.1	0.49	-0.001	-0.1	0.0901	29.4	-0.2	6.1	19.7
0517	7/7/98	13.5	-0.001	-0.01	0.008	0.55	-0.05	8.64	-0.1	0.5	-0.001	-0.1	0.0885	26.4	-0.2	-1	23.4
0517	10/6/98	12.2	-0.001	-0.01	0.009	0.54	-0.05	7.78	-0.1	0.44	-0.001	-0.1	0.0936	24.4	-0.2	9.9	4.4
0517	1/5/99	12.3	-0.001	-0.01	0.008	0.55	-0.05	8.11	-0.1	0.45	-0.001	-0.1	0.0924	21.0	-0.2	28.7	28.7
0517	4/6/99	12.3	-0.001	-0.01	0.01	0.59	-0.05	8.2	-0.1	0.46	-0.001	-0.1	0.0851	40.9	-0.2	-1	61.8
0517	7/13/99	9.96	-0.001	-0.01	0.01	0.62	-0.05	8	-0.1	0.5	-0.001	-0.1	0.0758	20.1	-0.2	-1	18.8
0517	10/5/99	11.2	-0.001	-0.01	0.011	0.61	-0.05	8.82	-0.1	0.44	0.002	-0.1	0.0731	23.0	-0.2	-1	10
0517	1/4/00	8.59	-0.001	-0.01	-0.005	0.63	-0.05	8.36	-0.1	0.54	-0.001	-0.1	0.0657	20.7	-0.2	-1	7.2
0517	5/1/00	11.6	-0.001	-0.01	0.056	0.57	-0.05	7.71	-0.1	0.51	-0.001	-0.1	0.0695	30.0	3.2	4.2	20.8
0517	7/18/00	10.2	-0.001	-0.01	0.008	0.55	-0.05	7.14	-0.1	0.37	-0.001	-0.1	0.0661	22.7	1.7	-1	26.7
0517	10/2/00	9.8	0.001	-0.01	0.006	0.51	-0.05	6.73	-0.1	0.4	-0.001	-0.1	0.0606	19.2	-0.2	-1	26.4
0517	1/15/01	9	-0.001	-0.01	0.005	0.54	-0.05	6.43	-0.1	0.47	-0.001	-0.1	0.0605	21.1	-0.2	-1	14.5
0517	4/9/01	60.2	-0.001	0.02	0.008	0.75	-0.05	10.7	-0.1	0.65	-0.001	0.4	0.218	18.4	46.5	-1	24.2
0517	7/10/01	8.9	-0.001	-0.01	0.005	0.52	-0.05	5.84	-0.1	0.46	-0.001	-0.1	0.064	27.1	-0.2	-1	9.1
0517	10/8/01	7.9	-0.001	-0.01	0.007	0.47	-0.05	5.26	-0.1	0.37	-0.001	-0.1	0.0614	22.4	-0.2	-1	12.1

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001
EPA Standard		NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA
0518	7/23/89	6,897.20	3.3	3.44	9,675	443	764	236	35.8	0	6,727	64.6	123	22	0.043
0518	10/11/89	6,892.90	3.2	3.32	10,260	417	770	223	46.8	0	6,908	133	77.2	29	0.042
0518	1/3/90	6,890.20	3	3	10,370	440	748	228	30	0	6,962	108	40.4	18.7	0.0237
0518	4/3/90	6,888.20	2.9	3.26	10,524	431	850	223	29.2	0	6,989	84	52	28	0.0156
0518	7/10/90	6,886.80	3.3	2.95	9,505	415	768	198	22.3	0	6,226	67	34.4	16	0.0261
0518	10/9/90	6,885.60	3.1	3.3	11,417	439	900	248	27.5	0	7,573	87.9	45.2	20.6	0.0172
0518	1/4/91	6,885.10	3.4	3.62	7,402	476	168	158	33.5	0	4,846	85.7	12.6	0.58	0.0189
0518	4/10/91	6,887.30	3.8	4.11	7,370	471	686	119	14.2	0	4,597	38.3	8.8	-0.01	0.0163
0518	7/16/91	6,885.60	3.7	3.64	7,248	467	685	136	12.8	0	5,539	23.8	7.6	-0.01	0.0199
0518	10/14/91	6,883.90	3.6	3.3	7,257	363	493	145	11.1	0	4,652	41.8	7.2	-0.01	0.0175
0518	1/14/92	6,884.10	3.6	3.79	7,008	385	645	128	12.9	0	4,442	66.8	9.3	-0.01	0.0175
0518	4/7/92	6,885.10	3.7	3.44	7,028	419	581	150	15.5	0	4,452	32.7	6.87	-0.1	0.0185
0518	7/7/92	6,881.60	3.4	3.07	8,076	428	574	244	25.5	0	5,279	47.8	17	-0.1	0.016
0518	10/13/92	6,879.70	3.5	2.99	8,062	447	613	168	17.8	0	5,260	48.2	17.3	-0.1	0.016
0518	1/21/93	6,882.50	3.7	2.97	5,822	447	613	168	14.7	0	4,456	51.6	4.6	-0.1	0.016
0518	4/14/93	6,883.50	4.2	3	5,276	448	530	100	14	0	3,993	53.7	15	-0.1	0.0145
0518	7/15/93	6,879.80	3.6	3.06	5,485	433	569	146	14	0	3,940	34.1	6.4	-0.1	0.0174
0518	10/6/93	6,876.00	3.7	3.03	5,631	438	651	131	12.5	0	4,358	38.2	8.3	-0.1	0.0142
0518	1/5/94	6,880.40	3.6	2.79	6,074	499	619	138	11.3	0	4,350	36.3	7.93	0.13	-0.001
0518	4/13/94	6,881.30	3.8	3.08	5,991	510	618	122	13.1	0	4,246	32	10.8	-0.1	0.0161
0518	7/21/94	6,881.30	4	3.17	5,944	481	609	126	13.7	0	4,218	24.6	7.69	-0.1	0.014
0518	10/5/94	6,881.40	4	3.84	5,869	463	652	138	14.5	0	4,296	31.3	10.7	-0.1	0.01
0518	1/5/95	6,880.90	3.9	3.84	5,872	476	623	128	15	0	4,462	33.6	14.4	-0.1	0.0141
0518	4/5/95	6,880.90	3.9	3.3	7,021	628	718	140	14.2	0	5,113	29.6	12.8	-0.1	0.0115
0518	7/6/95	6,880.30	4.4	3.1	6,818	622	595	133	12.6	0	4,765	34.2	16.5	-0.1	0.0137
0518	10/4/95	6,880.20	3.6	3.08	4,162	618	314	173	6.2	0	3,064	28.7	5.22	-0.1	0.0169
0518	1/4/96	6,880.10	3.2	3.11	7,039	670	660	145	10.5	0	5,245	33.4	9	-0.1	0.0153
0518	4/2/96	6,880.20	3.4	3.5	7,408	661	700	141	11.6	0	5,180	37.3	9.2	0.13	0.0147
0518	7/7/96	6,879.50	3.5	3.24	5,648	453	691	155	12.5	0	5,139	42.8	13	1.2	0.0156
0518	10/1/96	6,879.20	3.8	3.31	7,580	448	688	144	12.9	0	4,928	35.8	8.95	0.25	0.0132
0518	1/21/97	6,879.70	4	3.26	7,340	440	680	147	13.8	0	4,920	34.3	9.21	2.28	0.0139
0518	4/8/97	6,878.80	3.3	3.55	7,480	469	720	138	13.3	0	5,250	38.7	8.4	1.75	0.0122

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
	EPA Standard	**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
0518	7/23/89	420	0.001	0.16	-0.01	1.7	0.11	41	-0.1	1.9	0.001	-0.1	0.842	41.0	17.9	4.1	120
0518	10/11/89	500	-0.001	0.19	0.03	1.8	0.19	44	-0.01	2.1	0.006	1	1.08	22.7	55.8	5	70.1
0518	1/3/90	410	0.001	0.16	0.01	1.9	-0.05	41	-0.01	2.1	-0.001	0.22	0.988	14.6	42	5.1	54
0518	4/3/90	430	0.001	0.18	-0.01	2.1	-0.05	50	-0.01	2.5	-0.001	0.16	0.801	- 13.0	10.2	2.2	15
0518	7/10/90	299	-0.001	0.13	0.01	1.17	-0.05	36.5	-0.1	1.91	0.001	0.26	1.077	8.4	6.8	-1	15
0518	10/9/90	406	0.002	0.21	0.01	2.75	-0.05	51	-0.1	3.21	-0.001	0.9	1.786	22.9	4	-1	22
0518	1/4/91	128	-0.001	0.06	-0.01	1	-0.05	19.8	-0.1	1.31	0.001	0.26	0.7028	12.7	6.2	-1	15.5
0518	4/10/91	62.1	-0.001	-0.01	-0.01	0.7	-0.05	11.13	-0.1	0.8	-0.001	0.11	0.392	18.1	1.6	1.5	12.1
0518	7/16/91	64.9	-0.001	0.05	0.02	0.96	-0.05	16.4	-0.1	0.94	-0.001	-0.1	0.304	9.8	-0.2	4.6	4
0518	10/14/91	73.2	-0.001	0.05	0.02	0.97	-0.05	16.8	-0.1	0.91	-0.001	0.12	0.43	- 5.5	-0.2	-1	5
0518	1/14/92	63.1	-0.001	0.03	0.02	1.43	-0.05	14	-0.1	0.92	-0.001	0.14	0.258	18.0	-0.2	1.9	12
0518	4/7/92	41.2	0.003	0.03	0.03	0.86	-0.05	18.1	-0.1	0.66	-0.001	-0.1	0.268	22.5	-0.2	-1	5.9
0518	7/7/92	161	-0.001	-0.01	-0.01	1.13	-0.05	20.8	-0.1	1.09	0.001	0.22	0.86	7.2	-0.2	-1	5.6
0518	10/13/92	123	-0.001	-0.01	0.02	1.17	-0.05	20.3	-0.1	1.06	-0.001	0.4	1.22	13.1	16.1	-1	6.9
0518	1/21/93	32.5	0.001	-0.01	-0.01	0.42	-0.05	11.8	-0.1	0.93	-0.001	-0.1	0.189	11.2	2.2	3.7	8.5
0518	4/14/93	39.1	0.001	-0.01	-0.01	0.93	-0.05	13.7	-0.1	1.05	-0.001	-0.1	0.252	29.4	-2	1.9	9.7
0518	7/15/93	51	-0.001	-0.01	-0.01	0.9	-0.05	14.4	-0.1	0.8	-0.001	0.15	0.17	6.5	-2	-1	4.7
0518	10/6/93	68	0.003	0.053	-0.01	0.75	-0.05	14.9	-0.1	0.92	-0.001	-0.1	0.289	8.0	21.2	1.2	30.5
0518	1/5/94	65.6	-0.001	0.05	-0.01	0.93	-0.05	16.8	-0.1	0.8	-0.001	0.1	0.331	- 6.5	12.1	3.1	18.6
0518	4/13/94	56.7	0.001	0.03	-0.01	0.77	-0.05	12.6	-0.1	0.8	-0.001	0.16	0.306	14.8	-0.2	2	19.7
0518	7/21/94	53.4	-0.001	0.02	-0.01	0.86	-0.05	14.5	-0.1	0.73	-0.001	-0.1	0.237	26.0	-0.2	7.6	34.6
0518	10/5/94	37.9	0.001	-0.01	-0.01	1.04	-0.05	9.65	-0.1	0.54	0.004	-0.1	0.302	26.3	-0.2	-1	35.2
0518	1/5/95	62.2	-0.001	-0.01	-0.01	0.96	-0.05	15	-0.1	0.9	-0.001	0.15	0.321	18.8	25.2	-1	47.9
0518	4/5/95	64	0.001	0.04	0.02	0.97	-0.05	15.4	-0.1	0.88	-0.001	0.23	0.332	23.2	8.6	2.4	38.9
0518	7/6/95	85	0.002	0.05	-0.01	0.99	-0.05	15.9	-0.1	0.91	-0.001	0.28	0.5747	16.5	17.7	1.9	38.6
0518	10/4/95	-0.1	0.002	-0.01	-0.01	0.14	-0.05	0.26	-0.1	-0.05	0.003	-0.1	0.053	- 2.5	-0.2	-1	4.3
0518	1/4/96	98.5	0.001	0.05	-0.01	1.01	-0.05	15.5	-0.1	0.91	-0.001	0.16	0.472	13.7	25	4.2	17.9
0518	4/2/96	97	-0.001	0.05	-0.01	1.02	-0.05	15.4	-0.1	0.87	-0.001	0.13	0.587	15.8	16.2	-1	28.3
0518	7/7/96	122	-0.001	-0.01	-0.01	1.14	-0.05	17.3	-0.1	1.08	-0.001	0.14	0.548	14.2	23.2	6.2	49.2
0518	10/1/96	100	-0.001	0.06	-0.01	1.06	-0.05	15.9	-0.1	0.99	-0.001	-0.1	0.42	- 7.0	18.6	-1	31.3
0518	1/21/97	100	0.002	0.06	-0.01	1.09	-0.05	16.2	-0.1	1.01	-0.001	0.19	0.356	- 7.8	18.6	-1	11.7
0518	4/8/97	104	-0.001	0.06	-0.01	1.06	-0.05	17.5	-0.1	1.02	-0.001	0.16	0.445	- 7.0	-0.2	5.6	23.9

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001
EPA Standard		NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA
0518	7/8/97	6,878.40	3.7	3.56	7,630	488	742	148	14.6	0	5,370	41	8.29	2.46	0.0106
0518	10/8/97	6,878.40	3	3.43	7,460	460	698	141	13.9	0	4,990	39.4	9.32	2.87	0.0068
0518	1/16/98	6,878.30	3.7	3.73	7,650	453	683	145	15.1	0	5,000	39.4	9.54	1.89	0.0118
0518	4/7/98	6,878.30	3.7	3.48	7,600	454	702	184	13.8	0	4,920	35.9	8.37	2.84	0.0111
0518	7/7/98	6,877.90	3.7	3.64	7,020	446	692	137	14.4	0	4,600	33.7	8.31	1.44	0.0098
0518	10/6/98	6,877.80	3.35	3.66	7,050	466	723	144	15.9	0	4,800	35.8	4.48	1.89	0.01
0518	1/6/99	6,877.76	3.3	3.54	7,640	482	724	150	14.2	0	5,000	38.7	8.24	2.26	0.0083
0518	4/6/99	6,877.86	3.3	3.75	7,380	436	699	125	14.4	0	4,800	43.5	7.28	1.37	0.0083
0518	7/13/99	6,877.28	3.5	3.62	7,690	464	737	129	16.1	0	5,000	31.7	7.17	0.62	0.0083
0518	10/5/99	6,877.26	3.48	3.61	7,660	478	772	139	14.7	0	5,300	35.4	8.36	0.98	0.0083
0518	1/4/00	6,877.36	3.3	3.58	7,540	445	729	128	15.5	0	4,960	37.1	7.7	1.5	0.0079

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
0518	7/8/97	106	-0.001	0.06	-0.01	1.14	-0.05	18.5	-0.1	0.98	-0.001	-0.1	0.368	- 9.7	16.7	-1	18.5
0518	10/8/97	110	-0.001	0.07	-0.01	1.28	-0.05	18.7	-0.1	1.17	-0.001	-0.1	0.367	- 7.6	13.1	-1	11.9
0518	1/16/98	87.3	-0.001	0.06	-0.01	1.19	-0.05	17.3	-0.1	1.16	-0.001	-0.1	0.3836	- 7.8	9	-1	9.6
0518	4/7/98	70.4	-0.001	0.06	0.007	1.05	-0.05	15	-0.1	1.04	-0.001	-0.1	0.372	- 6.0	12.3	-1	12
0518	7/7/98	75.8	-0.001	0.06	0.009	1.05	-0.05	16.2	-0.1	1	-0.001	-0.1	0.347	- 6.6	9.2	7	17
0518	10/6/98	90.4	0.001	0.06	0.007	1.16	-0.05	17.5	-0.1	1.06	-0.001	-0.1	0.363	- 8.9	8	-1	16.6
0518	1/6/99	80.4	-0.001	0.06	0.011	1.26	-0.05	17.2	-0.1	1.37	-0.001	-0.1	0.345	- 8.5	9.4	9.5	9.5
0518	4/6/99	76.6	-0.001	0.06	0.01	1.15	-0.05	16.6	-0.1	1.15	-0.001	-0.1	0.328	8.1	4.1	-1	15.3
0518	7/13/99	69.5	-0.001	0.05	-0.005	1.11	-0.05	16.2	-0.1	1.1	-0.001	-0.1	0.0198	- 4.5	7.8	-1	14
0518	10/5/99	86.5	-0.001	0.06	0.01	1.17	-0.05	18.4	-0.1	1.18	-0.001	-0.1	0.327	10.7	7.1	-1	13.6
0518	1/4/00	55.1	-0.001	0.05	-0.005	1.04	-0.05	17.1	-0.1	1.06	0.001	-0.1	0.306	- 10.1	8.5	-1	12.3

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001
EPA Standard		NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA
0613	5/2/00	6,884.60	3.02	3.11	13,900	415	646	323	2	0	9,150	177	474	22.8	0.0912
0613	7/11/00	6,883.70	2.96	3.16	13,700	426	656	328	-0.1	0	8,770	166	445	16.8	0.0686
0613	10/2/00	6,885.00	3.03	3.08	13,800	451	709	350	1.5	0	8,870	175	400	18	0.049
0613	1/15/01	6,883.50	3.1	3.08	13,800	425	622	334	1	0	10,400	183	423	17.2	0.0464
0613	4/9/01	6,883.65	2.96	3.16	13,100	411	623	313	0.6	0	8,510	174	425	18	0.041
0613	7/10/01	6,883.50	2.98	3.12	13,900	459	726	322	-0.1	0	9,400	147	370	16.5	0.096
0613	10/2/01	6,883.50	3.24	3	13,600	430	640	300	-1	0	8,400	160	392	17.3	0.0875

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
0613	5/2/00	666	-0.001	0.21	0.714	1.8	-0.05	62.6	-0.1	1.69	-0.001	6	1.93	13.0	339	-1	19.7
0613	7/11/00	662	-0.001	0.22	0.028	1.64	0.23	63.6	-0.1	1.88	-0.001	5.8	1.98	- 12.9	317	-1	46.6
0613	10/2/00	694	0.001	0.21	0.03	1.56	0.28	60.1	-0.1	1.52	-0.001	5.08	1.82	- 14.5	249	-1	67.9
0613	1/15/01	810	-0.001	0.23	0.028	1.77	-0.05	61	-0.1	1.6	-0.001	5.4	2.08	- 15.6	794	-1	44.1
0613	4/9/01	738	-0.001	0.2	0.027	1.9	-0.05	54.8	-0.1	1.7	-0.001	5	1.85	13.0	592	-1	40
0613	7/10/01	753	-0.001	0.23	0.028	1.63	-0.05	54.3	-0.1	1.49	-0.001	4.8	1.99	- 11.5	556	-1	30.3
0613	10/2/01	673	-0.001	0.18	0.038	1.74	-0.05	59.2	-0.1	1.54	-0.001	3.62	1.89	- 14.0	672	-1	38

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001
EPA Standard		NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA
0708	4/2/01	6,864.20	2.82	3.2	5,520	515	578	101	10.7	0	3,750	31.3	1.81	-0.1	-0.001
0708	7/16/01	6,863.90	2.73	3.36	5,740	433	519	122	14.8	0	3,630	38.4	1.58	-0.1	-0.001
0708	10/8/01	6,864.25	2.67	3.7	5,700	420	500	91.1	10.8	0	3,200	33.2	1.4	-0.1	-0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
0708	4/2/01	0.61	0.004	-0.01	-0.005	0.33	-0.05	6.87	-0.1	0.26	-0.001	-0.1	0.007	19.1	-0.2	-1	9
0708	7/16/01	0.8	0.002	-0.01	-0.005	0.29	-0.05	7.23	-0.1	0.24	-0.001	-0.1	0.009	21.7	-0.2	-1	12.5
0708	10/8/01	0.82	0.006	-0.01	-0.005	0.23	-0.05	5.67	-0.1	0.18	-0.001	-0.1	0.0105	19.4	-0.2	-1	11.3

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.001**
EPA Standard		**NA**	**NA**	**NA**	**4,800**	**NA**	**NA**	**NA**	**NA**	**NA**	**2,125**	**250**	**NA**	**190**	**NA**
0711	5/1/00	6,863.55	4.8	5.61	5,410	489	522	100	11.1	10	3,380	14.2	0.57	-0.1	-0.001
0711	7/10/00	6,863.50	3.06	3.98	5,400	518	542	101	10.9	0	3,490	20	0.58	-0.1	-0.001
0711	10/2/00	6,863.65	2.88	4.13	5,310	503	556	100	12.6	0	3,990	17.9	0.45	-0.1	-0.001
0711	1/15/01	6,863.85	2.86	3.57	5,260	496	495	93.7	11.1	0	3,900	23.7	0.59	-0.1	-0.001
0711	4/2/01	6,863.85	2.92	3.1	5,310	560	572	94.9	10.4	0	3,560	19.1	0.99	-0.1	-0.001
0711	7/11/01	6,863.50	2.86	3.65	5,410	541	576	106	11.1	0	3,580	30.4	0.8	-0.1	-0.001
0711	10/8/01	6,863.65	2.88	3.4	5,440	450	480	80.8	10.2	1	3,100	27	0.7	-0.1	-0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
0711	5/1/00	1.4	0.039	-0.01	0.02	0.41	-0.05	8.42	0.15	0.38	-0.001	-0.1	0.0645	26.6	-0.2	-1	15.9
0711	7/10/00	1.51	0.032	-0.01	-0.005	0.42	-0.05	8.39	0.11	0.35	-0.001	-0.1	0.0613	28.2	-0.2	-1	14.2
0711	10/2/00	1.33	0.041	-0.01	-0.005	0.34	-0.05	7.44	-0.1	0.32	-0.001	-0.1	0.053	30.5	-0.2	-1	19.3
0711	1/15/01	1.4	0.036	-0.01	-0.005	0.39	-0.05	8	-0.1	0.34	-0.001	-0.1	0.0568	29.7	-0.2	-1	13.2
0711	4/2/01	1.4	0.035	-0.01	-0.005	0.4	-0.05	6.98	-0.1	0.39	-0.001	-0.1	0.056	25.6	-0.2	-1	12.4
0711	7/11/01	1.5	0.03	0.01	-0.005	0.39	-0.05	7.57	-0.1	0.37	-0.001	-0.1	0.057	31.3	-0.2	-1	12.7
0711	10/8/01	1.08	0.033	-0.01	-0.005	0.33	-0.05	5.91	-0.1	0.29	-0.001	-0.1	0.0534	25.7	-0.2	-1	12.1

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.001**
EPA Standard		**NA**	**NA**	**NA**	**4,800**	**NA**	**NA**	**NA**	**NA**	**NA**	**2,125**	**250**	**NA**	**190**	**NA**
0711Dup	7/10/00	6,863.55	4.88	5.31	5,440	513	537	101	10.9	9	3,510	19.8	0.59	-0.1	-0.001
0711Dup	10/2/00	6,863.65	4.81	5.36	5,310	503	555	104	12.9	11	3,970	15.7	0.39	-0.1	-0.001
0711Dup	1/15/01	6,863.40	4.82	5.31	5,270	501	501	93	11.2	10	3,860	23.3	0.6	-0.1	-0.001
0711Dup	4/2/01	6,863.25	4.46	3.77	5,370	557	569	92.7	10.3	0	3,640	20.1	0.83	0.11	-0.001
0711Dup	7/11/01	6,862.95	4.53	5.33	5,450	539	573	104	11	8	3,520	30.2	0.83	-0.1	-0.001
0711Dup	10/8/01	6,863.20	4.48	5	5,410	450	480	84.4	10.5	8	3,100	26.7	0.71	-0.1	-0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
0711Dup	7/10/00	1.47	0.032	-0.01	-0.005	0.43	-0.05	8.29	0.11	0.35	-0.001	-0.1	0.0595	26.1	-0.2	-1	14.5
0711Dup	10/2/00	1.33	0.042	-0.01	-0.005	0.36	-0.05	7.93	-0.1	0.34	-0.001	-0.1	0.05	28.7	-0.2	-1	22.9
0711Dup	1/15/01	1.4	0.038	0.01	-0.005	0.4	-0.05	7.65	0.1	0.38	-0.001	-0.1	0.049	30.3	-0.2	-1	11.8
0711Dup	4/2/01	1.4	0.034	-0.01	-0.005	0.41	-0.05	7.12	0.1	0.43	-0.001	-0.1	0.054	20.7	-0.2	-1	10.9
0711Dup	7/11/01	1.3	0.032	-0.01	-0.005	0.36	-0.05	6.75	-0.1	0.34	-0.001	-0.1	0.051	32.7	-0.2	-1	11.9
0711Dup	10/8/01	1.09	0.031	-0.01	-0.005	0.34	-0.05	6.15	-0.1	0.32	-0.001	-0.1	0.0483	25.7	-0.2	-1	11.1

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.001**
EPA Standard		**NA**	**NA**	**NA**	**4,800**	**NA**	**NA**	**NA**	**NA**	**NA**	**2,125**	**250**	**NA**	**190**	**NA**
0717	4/9/01	6,855.40	5.65	7.3	3,300	631	137	118	6.4	498	1,650	54.2	0.11	12.3	-0.001
0717	7/16/01	6,855.30	6.32	7.35	3,350	591	127	124	6.7	539	1,630	61.7	0.13	12.4	-0.001
0717	10/8/01	6,855.30	7.01	7.2	3,300	600	130	105	6.1	588	1,600	66.7	0.05	10.6	-0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
0717	4/9/01	-0.1	0.002	-0.01	-0.005	0.01	-0.05	1.4	0.12	-0.05	-0.001	-0.1	0.057	8.7	-0.2	-1	4
0717	7/16/01	-0.1	0.001	-0.01	-0.005	-0.01	-0.05	1.36	0.1	-0.05	-0.001	-0.1	0.065	7.4	-0.2	-1	2.5
0717	10/8/01	-0.1	-0.001	-0.01	-0.005	-0.01	-0.05	1.08	0.08	-0.05	-0.001	-0.1	0.0643	8.0	-0.2	-1	4.8

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.001**
EPA Standard		**NA**	**NA**	**NA**	**4,800**	**NA**	**NA**	**NA**	**NA**	**NA**	**2,125**	**250**	**NA**	**190**	**NA**
0719	4/9/01	6,845.30	2.94	3.01	5,850	482	461	134	4.3	0	3,750	32.2	5.14	0.11	-0.001
0719	7/11/01	6,845.30	2.7	2.94	6,180	527	518	144	3.5	0	4,000	43.8	3.86	-0.1	-0.001
0719	10/8/01	6,846.70	2.75	2.9	5,960	450	440	108	3.8	0	3,300	51.6	2.8	-0.1	-0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
0719	4/9/01	78.8	0.016	0.07	-0.005	0.8	-0.05	8.7	0.34	1.1	-0.001	-0.1	0.397	28.0	30.5	-1	55.3
0719	7/11/01	73.2	0.015	0.08	-0.005	0.71	-0.05	8.43	0.46	1.01	-0.001	-0.1	0.454	26.4	40.9	-1	46.6
0719	10/8/01	49.9	0.013	0.04	-0.005	0.6	-0.05	6.85	0.25	0.85	-0.001	-0.1	0.387	15.1	40.6	-1	42.9

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001
EPA Standard		NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA
EPA 01	7/25/89	6,804.30	6.5	6.4	4,590	648	380	161	10.2	427	2,852	29.3	0.83	0.01	-0.001
EPA 01	10/4/89	6,804.50	6.6	6.73	4,522	620	352	158	13.4	466	2,844	25.9	0.32	0.01	-0.001
EPA 01	1/16/90	6,804.20	6.4	6.56	4,632	576	352	161	10.6	458	2,842	29.5	0.46	0.02	-0.001
EPA 01	4/17/90	6,803.80	6.3	6.76	4,714	593	244	156	10.2	468	2,662	30.4	0.63	0.07	-0.001
EPA 01	7/12/90	6,803.10	6.4	6.78	4,725	583	360	151	10.8	482	2,652	29.7	0.26	0.1	-0.001
EPA 01	10/16/90	6,802.90	6.3	7.19	4,706	633	388	172	12.8	448	2,800	32	0.36	0.11	-0.001
EPA 01	1/8/91	6,802.30	6.4	6.7	4,730	628	384	159	29	436	2,719	66	0.51	0.05	-0.001
EPA 01	4/16/91	6,802.20	6.3	7.74	4,746	608	368	161	11.2	480	2,596	34.1	0.46	0.29	-0.001
EPA 01	7/3/91	6,801.80	6.4	6.99	4,494	560	333	141	9	488	2,905	31.8	0.21	-0.01	-0.001
EPA 01	10/22/91	6,801.40	6.4	7.14	4,713	584	344	156	10.2	483	2,853	38.1	0.32	-0.01	-0.001
EPA 01	1/22/92	6,801.00	6.3	7.31	4,824	584	344	148	9.7	452	2,905	36.2	-0.05	-0.01	-0.001
EPA 01	4/2/92	6,800.50	6.1	7.35	4,238	566	365	188	12.3	462	2,813	34.5	0.46	-0.01	-0.001
EPA 01	7/15/92	6,799.10	6.2	7.01	4,765	582	375	173	11.5	459	2,868	36.1	0.42	-0.1	-0.001
EPA 01	10/14/92	6,798.60	6.3	6.93	4,708	567	342	155	11.5	425	3,104	35.5	0.53	-0.1	-0.001
EPA 01	1/13/93	6,798.10	6.3	6.96	4,557	574	320	171	12.5	423	2,834	36	0.48	-0.1	-0.001
EPA 01	4/15/93	6,797.90	6.3	8	4,149	532	376	165	9.2	373	2,836	31.2	0.17	0.6	-0.001
EPA 01	7/20/93	6,797.50	6.4	7.1	4,178	601	326	145	10.7	421	2,769	33	0.24	-0.1	-0.001
EPA 01	10/12/93	6,796.30	6.8	6.92	4,118	578	326	155	9.2	404	2,815	30.2	0.08	-0.1	-0.001
EPA 01	1/11/94	6,796.90	6.7	7.66	4,656	566	339	132	9.1	333	3,005	28.4	-0.05	0.6	-0.001
EPA 01	4/20/94	6,796.50	6.6	6.67	4,260	560	342	132	8.7	345	2,874	27.6	0.62	0.16	-0.001
EPA 01	7/26/94	6,797.40	6.7	7.51	4,000	570	348	129	8.8	328	2,726	27.6	0.12	0.14	-0.001
EPA 01	10/11/94	6,795.90	6.7	7.84	4,596	622	383	157	10.3	349	3,145	26.6	0.36	0.58	-0.001
EPA 01	1/10/95	6,795.60	6.6	7.6	4,626	705	261	144	12	309	2,941	28.9	0.46	0.44	-0.001
EPA 01	4/11/95	6,795.90	6.8	6.98	4,431	616	318	131	9.6	360	2,885	31.9	0.57	0.12	-0.001
EPA 01	7/11/95	6,795.30	7	7.93	4,039	595	356	132	9.6	367	2,673	28.7	0.36	0.52	-0.001
EPA 01	10/10/95	6,795.20	6.9	7.81	4,065	600	355	144	10.1	334	2,730	24.5	0.31	0.24	-0.001
EPA 01	1/10/96	6,794.90	7.1	7.34	4,572	595	360	129	9.1	276	2,935	33	0.06	0.31	-0.001
EPA 01	4/10/96	6,794.80	7.5	7.88	4,540	615	370	128	10.2	248	3,000	26.1	0.07	0.22	-0.001
EPA 01	7/17/96	6,794.70	7	7.29	4,458	560	330	135	10.4	242	2,925	25.2	0.05	-0.1	-0.001
EPA 01	10/8/96	6,794.50	7	7.43	4,440	635	377	134	10.2	248	2,926	24.1	0.11	-0.1	-0.001
EPA 01	7/15/97	6,801.00	6.1	7.67	4,630	628	375	134	10.4	200	3,000	25.2	0.08	0.14	-0.001
EPA 01	10/15/97	6,794.80		7.87	4,600	638	394	137	10.2	196	3,050	31.4	0.54	0.24	-0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	5.0	5.0	1.0	15.0
EPA Standard		5.0	0.05	0.017	0.01	0.05	0.05	2.6	1.0	0.2	0.01	0.7	5.0	5.0	NA	NA	15.0
EPA 01	7/25/89	0.39	0.149	-0.05	0.01	-0.01	-0.05	4.7	62	-0.05	-0.001	-0.1	0.0034	1.4	1.8	-1	3
EPA 01	10/4/89	0.45	0.156	-0.05	0.01	-0.01	-0.05	4.9	50	-0.05	-0.001	-0.1	0.005	- 1.2	-0.2	-1	-1
EPA 01	1/16/90	0.2	0.142	-0.05	-0.01	-0.01	-0.05	5	49	-0.05	-0.001	-0.1	0.004	- 1.2	-0.2	1.6	1.8
EPA 01	4/17/90	0.41	0.183	-0.05	-0.01	-0.01	-0.05	5	46	-0.05	-0.001	-0.1	0.003	- 2.2	-0.2	-1	1.3
EPA 01	7/12/90	-0.1	0.195	-0.05	-0.01	0.05	-0.05	5.45	40.3	-0.05	-0.001	-0.1	0.0068	- 1.2	-0.2	-1	-1
EPA 01	10/16/90	-0.1	0.318	-0.05	-0.01	0.02	-0.05	4.86	41.2	-0.05	-0.001	-0.1	0.0062	- 1.2	-0.2	2	-1
EPA 01	1/8/91	-0.1	0.181	-0.01	0.01	0.03	-0.05	5.18	43.1	-0.05	-0.001	-0.1	0.0054	- 1.2	-0.2	-1	-1
EPA 01	4/16/91	-0.1	0.193	-0.01	-0.01	0.02	-0.05	4.88	38.4	-0.05	-0.001	-0.1	0.005	- 1.2	-0.2	-1	-1
EPA 01	7/3/91	-0.1	0.19	-0.01	-0.01	0.03	-0.05	4.37	35.9	-0.05	-0.001	-0.1	0.0118	- 1.4	-0.2	-1	-1
EPA 01	10/22/91	-0.1	0.242	-0.01	-0.01	0.01	-0.05	4	35.3	-0.05	-0.001	-0.1	0.0041	- 1.2	-0.2	3.2	-1
EPA 01	1/22/92	-0.1	0.21	-0.01	-0.01	0.03	-0.05	4.43	42.1	-0.05	-0.001	-0.1	0.007	- 2.0	-0.2	-1	1
EPA 01	4/2/92	-0.1	0.175	-0.01	0.01	0.03	-0.05	4.76	41.3	-0.05	-0.001	-0.1	0.092	- 1.2	-0.2	1.3	-1
EPA 01	7/15/92	-0.1	0.176	-0.01	0.01	0.03	-0.05	4.68	36.9	-0.05	-0.001	-0.1	0.007	- 1.6	-0.2	-1	-1
EPA 01	10/14/92	0.12	0.303	-0.01	-0.01	0.02	-0.05	4.45	35	-0.05	-0.001	-0.1	0.011	- 1.5	-0.2	-1	-1
EPA 01	1/13/93	-0.1	0.059	-0.01	0.01	-0.01	-0.05	4.07	31.2	-0.05	-0.001	-0.1	0.004	- 1.2	-0.2	-1	-1
EPA 01	4/15/93	-0.1	0.06	-0.01	-0.01	-0.01	-0.05	4.31	35.3	0.06	-0.001	-0.1	0.016	- 3.3	-0.2	-1	-1
EPA 01	7/20/93	-0.1	0.047	-0.01	-0.01	-0.01	-0.05	4.31	31.9	-0.05	-0.001	-0.1	0.021	- 2.2	-0.2	4.7	-1
EPA 01	10/12/93	-0.1	0.107	-0.01	0.01	0.02	-0.05	3.47	35.5	-0.05	-0.001	-0.1	0.009	- 1.8	-0.2	-1	-1
EPA 01	1/11/94	-0.1	0.05	-0.01	-0.01	0.02	-0.05	3.84	39.7	0.19	-0.001	-0.1	0.017	- 5.6	-0.2	1.8	9.1
EPA 01	4/20/94	-0.1	0.071	-0.01	-0.01	-0.01	-0.05	3.02	28.1	-0.05	-0.001	-0.1	0.008	- 1.2	-0.2	-1	-1
EPA 01	7/26/94	-0.1	0.055	-0.01	-0.01	0.05	-0.05	4.13	30	0.14	-0.001	-0.1	0.008	3.4	-0.2	1.4	4.9
EPA 01	10/11/94	-0.1	0.05	-0.01	-0.01	0.05	-0.05	3.47	31.5	0.12	-0.001	-0.1	0.01	- 1.2	-0.2	3.5	-1
EPA 01	1/10/95	-0.1	0.069	-0.01	-0.01	0.05	-0.05	3.6	34.1	0.2	-0.001	-0.1	0.009	1.6	-0.2	1.1	2.4
EPA 01	4/11/95	-0.1	0.036	-0.01	-0.01	0.03	-0.05	3.58	26.4	0.05	-0.001	-0.1	0.005	- 1.2	-0.2	-1	-1
EPA 01	7/11/95	-0.1	0.043	-0.01	-0.01	-0.01	-0.05	3.59	28.1	-0.05	-0.001	-0.1	0.006	- 1.2	-0.2	11	1.1
EPA 01	10/10/95	-0.1	0.037	-0.01	-0.01	0.04	-0.05	3.6	28.1	0.07	-0.001	-0.1	0.012	- 1.2	-0.2	2.7	1.3
EPA 01	1/10/96	-0.1	0.016	-0.01	-0.01	0.04	-0.05	3.48	26.9	0.08	-0.001	-0.1	0.0098	- 1.6	-0.2	-1	-1
EPA 01	4/10/96	-0.1	0.017	-0.01	-0.01	0.05	-0.05	3.21	28.5	0.09	-0.001	-0.1	0.012	2.0	-0.2	-1	-1
EPA 01	7/17/96	-0.1	0.015	-0.01	-0.01	0.1	-0.05	3.54	24.6	0.18	-0.001	-0.1	0.0087	- 1.2	-0.2	-1	-1
EPA 01	10/8/96	-0.1	0.019	-0.01	-0.01	0.11	-0.05	3.34	23.8	0.2	-0.001	-0.1	0.0078	- 1.2	-0.2	-1	-1
EPA 01	7/15/97	-0.1	0.009	-0.01	-0.01	0.18	-0.05	4.04	11.5	0.18	-0.001	-0.1	0.008	- 1.2	-0.2	-1	-1
EPA 01	10/15/97	-0.1	0.01	-0.01	-0.01	0.28	-0.05	4.73	10.4	0.21	-0.001	-0.1	0.01	- 1.2	-0.2	-1	-1

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001
EPA Standard		NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA
EPA 03	7/26/89	6,895.60	6.8	5.83	4,839	587	465	118	10.5	168	3,358	25.1	0.31	0.02	-0.001
EPA 03	10/5/89	6,894.90	6.3	6.52	4,742	507	438	115	13.9	159	3,131	24.6	0.27	0.09	-0.001
EPA 03	1/23/90	6,892.80	6.8	6.29	5,594	616	494	148	12.9	159	3,620	26.3	0.51	0.1	-0.001
EPA 03	4/18/90	6,891.70	6.4	7	5,639	560	523	130	11.1	46	3,653	28.9	0.57	0.04	-0.001
EPA 03	7/17/90	6,890.50	6.7	6.1	5,385	600	536	120	11.9	139	3,368	23.6	0.28	0.04	-0.001
EPA 03	10/16/90	6,889.50	6.5	6.6	4,846	517	468	127	13	142	3,253	29.7	0.26	0.02	-0.001
EPA 03	1/8/91	6,888.80	6.6	6.25	4,646	532	481	119	22	145	3,002	27.3	0.23	0.07	-0.001
EPA 03	4/17/91	6,888.30	6.6	6.99	4,392	513	349	120	14.1	142	2,888	25.6	0.21	0.02	-0.001
EPA 03	7/3/91	6,887.70	6.6	6.42	3,939	467	353	112	11	137	2,885	31.2	0.35	0.03	-0.001
EPA 03	10/22/91	6,887.00	6.6	6.51	3,752	493	264	116	13.4	139	2,485	24.2	0.18	0.02	-0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
EPA 03	7/26/89	-0.1	0.003	-0.05	-0.01	0.03	0.07	5.6	-0.1	-0.05	-0.001	-0.1	0.0103	- 2.5	2.3	-1	4.3
EPA 03	10/5/89	-0.1	0.017	-0.05	-0.01	0.02	-0.05	4.8	0.05	-0.05	-0.001	-0.1	0.016	- 2.5	-0.2	-1	-1
EPA 03	1/23/90	-0.1	0.003	-0.05	-0.01	0.11	-0.05	6.1	0.29	0.05	-0.001	-0.1	0.049	- 2.5	4.7	-1	6.1
EPA 03	4/18/90	-0.1	0.024	-0.05	-0.01	0.07	-0.05	7.2	-0.1	-0.05	-0.001	-0.1	0.026	- 2.0	-0.2	1.9	1.6
EPA 03	7/17/90	-0.1	0.016	-0.05	-0.01	0.04	-0.05	6.78	-0.1	-0.05	-0.001	-0.1	0.033	- 1.2	3.2	-1	3
EPA 03	10/16/90	-0.1	0.001	-0.05	-0.01	0.03	-0.05	5.9	0.1	-0.05	-0.001	-0.1	0.0192	- 1.8	-0.2	-1	-1
EPA 03	1/8/91	0.2	0.006	-0.01	-0.01	0.05	-0.05	6.07	0.16	0.05	-0.001	-0.1	0.024	- 2.1	-0.2	-1	1
EPA 03	4/17/91	0.25	0.008	-0.01	-0.01	0.03	-0.05	4.24	0.17	-0.05	-0.001	-0.1	0.025	- 1.6	-0.2	-1	3
EPA 03	7/3/91	0.2	0.008	-0.01	-0.01	0.03	-0.05	3.96	0.25	-0.05	-0.001	-0.1	0.0226	- 1.8	-0.2	-1	-1
EPA 03	10/22/91	0.22	0.001	-0.01	-0.01	0.02	-0.05	2.87	0.24	-0.05	-0.001	-0.1	0.0145	- 1.2	-0.2	-1	-1

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001
EPA Standard		NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA
EPA 09	7/26/89	6,911.00	6.1	5.54	5,122	543	558	122	11.9	122	3,598	28.1	0.43	0.07	-0.001
EPA 09	10/5/89	6,911.20	4.8	6.06	5,382	507	580	118	15	93	3,566	28.3	0.62	0.07	-0.001
EPA 09	1/16/90	6,911.20	5.7	6.15	4,982	458	498	125	12	214	3,210	23.8	0.38	0.15	-0.001
EPA 09	4/17/90	6,911.10	5.5	6	5,133	479	492	130	11.5	274	3,261	28	0.46	0.18	-0.001
EPA 09	7/17/90	6,910.80	4.9	4.3	5,971	494	619	115	11.7	0	4,248	26.8	0.45	0.03	-0.001
EPA 09	10/16/90	6,910.90	4.7	4.29	5,548	494	554	117	12.5	50	3,753	33.7	0.41	0.02	-0.001
EPA 09	1/8/91	6,910.70	5.3	6.19	5,309	548	569	131	16	105	3,561	31.1	0.49	-0.01	-0.001
EPA 09	4/17/91	6,910.90	5.3	6.25	5,360	458	543	124	13.2	68	3,576	27.3	0.43	0.03	-0.001
EPA 09	7/3/91	6,910.70	4.8	6.27	4,927	453	516	107	10.2	121	3,446	37.7	0.5	0.2	-0.001
EPA 09	10/22/91	6,910.80	5	5.97	5,269	475	501	119	11.1	122	3,555	33.2	0.42	-0.01	-0.001
EPA 09	1/22/92	6,911.60	5.2	5.29	6,127	484	567	110	11.1	15	4,132	27.7	0.93	0.49	-0.001
EPA 09	4/2/92	6,910.60	5.4	6.61	5,681	576	609	133	15.1	61	4,137	34.4	0.73	-0.1	-0.001
EPA 09	7/15/92	6,909.70	5.8	3.88	6,008	496	573	122	12.4	0	3,956	66.8	0.28	0.1	-0.001
EPA 09	10/14/92	6,909.70	5.3	3.9	6,070	479	537	109	12	0	3,996	51	0.45	-0.1	-0.001
EPA 09	1/13/93	6,909.50	5.6	7.06	5,015	493	475	116	12.1	105	3,403	24.4	0.67	-0.1	-0.001
EPA 09	4/15/93	6,909.60	5.3	6.44	4,596	425	494	126	9.9	62	3,487	27.9	0.45	0.2	-0.001
EPA 09	7/20/93	6,909.80	5.6	5.94	4,554	493	464	117	10.9	55	3,250	30	0.25	-0.1	-0.001
EPA 09	10/12/93	6,907.00	5.9	5.89	4,633	497	490	115	10.8	86	3,399	27.3	0.42	-0.1	-0.001
EPA 09	1/12/94	6,908.00	4.4	2.87	5,738	535	556	101	11.8	0	4,110	55.2	0.58	0.13	-0.001
EPA 09	4/20/94	6,908.70	5.4	3.62	5,771	550	556	108	10	0	4,149	30	1.82	-0.1	-0.001
EPA 09	7/26/94	6,909.50	5.2	6.16	4,732	540	479	115	10.3	31	3,472	28	0.46	-0.1	-0.001
EPA 09	10/11/94	6,908.40	5	3.63	5,664	508	603	119	11.3	0	4,045	28.7	1.08	-0.1	-0.001
EPA 09	1/10/95	6,908.20	5.3	4.92	6,144	560	650	117	13.3	10	4,239	28.9	1.78	-0.1	-0.001
EPA 09	4/11/95	6,908.60	6.2	6.04	5,264	550	526	120	11.5	119	3,500	15.7	1.15	-0.1	-0.001
EPA 09	7/11/95	6,907.90	5.9	6.06	5,046	498	540	120	11.5	34	3,485	29.8	1.04	-0.1	-0.001
EPA 09	10/10/95	6,908.00	5.7	6.95	5,003	510	530	120	11.6	71	3,475	27	0.88	-0.1	-0.001
EPA 09	1/9/96	6,907.60	5.6	5.94	5,085	485	550	109	11.3	53	3,790	28.4	0.24	-0.1	-0.001
EPA 09	4/10/96	6,907.60	5.9	6.2	5,494	525	575	107	11.7	28	3,905	28.2	0.35	-0.1	-0.001
EPA 09	7/17/96	6,907.40	5.9	5.58	5,615	505	555	117	12.1	23	3,816	32	0.31	-0.1	-0.001
EPA 09	10/8/96	6,907.40	5.7	4.44	5,590	542	609	116	12.1	0	3,943	29	0.33	-0.1	-0.001
EPA 09	1/28/97	6,912.30	5.8	6.07	5,510	500	545	109	11.7	29	3,695	30.8	0.35	-0.1	-0.001
EPA 09	4/15/97	6,907.20	5.4	5.72	5,740	532	616	112	12.1	21	4,040	31.3	0.38	-0.1	0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
EPA 09	7/26/89	0.22	-0.001	-0.05	-0.01	0.12	-0.05	4.5	-0.1	0.09	-0.001	-0.1	0.002	6.7	6.5	2.1	4.1
EPA 09	10/5/89	1	-0.001	-0.05	-0.01	0.11	-0.05	4	-0.01	0.08	-0.001	-0.1	0.003	- 7.0	2.2	-1	9.1
EPA 09	1/16/90	-0.1	-0.001	-0.05	-0.01	0.08	-0.05	2.8	-0.01	-0.05	-0.001	-0.1	0.003	3.1	-0.2	-1	2.5
EPA 09	4/17/90	0.25	0.001	-0.05	0.01	0.09	-0.05	3.7	-0.1	0.05	-0.001	-0.1	0.002	- 5.2	-0.2	-1	4.6
EPA 09	7/17/90	8	-0.009	-0.05	-0.01	0.21	-0.05	6.79	-0.1	0.19	-0.001	-0.1	0.0078	20.4	-0.2	-1	10
EPA 09	10/16/90	1.1	0.001	-0.05	-0.01	0.14	-0.05	4.74	-0.1	0.16	-0.001	-0.1	0.0021	13.6	-0.2	-1	9
EPA 09	1/8/91	0.61	-0.001	-0.01	-0.01	0.29	-0.05	6.35	-0.1	0.29	-0.001	-0.1	0.0562	5.2	-0.2	-1	4
EPA 09	4/17/91	4.9	-0.001	-0.01	-0.01	0.24	-0.05	5.77	-0.1	0.25	-0.001	-0.1	0.022	19.3	-0.2	-1	14
EPA 09	7/3/91	1.52	0.002	-0.01	-0.01	0.19	-0.05	5.09	-0.1	0.17	-0.001	-0.1	0.0137	11.6	-0.2	-1	7
EPA 09	10/22/91	1.58	0.001	-0.01	-0.01	0.12	-0.05	4.48	-0.1	0.1	-0.001	-0.1	0.0062	- 5.1	-0.2	2.7	4
EPA 09	1/22/92	1.01	0.013	-0.01	-0.01	0.21	-0.05	6.16	-0.1	0.22	-0.001	-0.1	0.007	9.2	-0.2	-1	5
EPA 09	4/2/92	2.5	0.014	0.02	0.02	0.02	-0.05	7.86	0.1	0.29	-0.001	-0.1	0.002	12.2	-0.2	-1	0.4
EPA 09	7/15/92	1.25	0.01	-0.01	-0.01	0.23	-0.05	6.61	-0.1	0.22	-0.001	-0.1	0.006	14.4	-0.2	1.3	5.9
EPA 09	10/14/92	2.36	0.018	-0.01	-0.01	0.28	-0.05	7.63	-0.1	0.27	-0.001	-0.1	0.002	18.5	-0.2	-1	9.9
EPA 09	1/13/93	-0.1	0.003	-0.01	-0.01	0.04	-0.05	2.66	0.14	0.1	-0.001	-0.1	0.005	10.7	-0.2	-1	4.1
EPA 09	4/15/93	0.18	-0.001	-0.01	-0.01	0.08	-0.05	3.16	-0.1	0.08	-0.001	-0.1	0.002	5.4	-0.2	-1	3.4
EPA 09	7/20/93	-0.1	-0.001	-0.01	-0.01	0.07	-0.05	3.08	0.11	-0.05	-0.001	-0.1	0.006	8.3	-0.2	-1	3.5
EPA 09	10/12/93	1.22	-0.001	-0.01	-0.01	0.14	-0.05	4.41	-0.1	0.14	-0.001	-0.1	0.005	16.6	-0.2	1.2	10
EPA 09	1/12/94	31.1	0.029	0.09	-0.01	0.6	-0.05	9.64	0.42	0.85	-0.001	-0.1	0.122	26.7	-0.2	-1	33.2
EPA 09	4/20/94	3.3	0.021	-0.01	-0.01	0.21	-0.05	6.9	0.19	0.24	-0.001	-0.1	0.003	22.0	-0.2	-1	26.4
EPA 09	7/26/94	0.81	-0.001	-0.01	-0.01	0.1	-0.05	4.29	0.11	-0.05	-0.001	-0.1	0.001	10.4	-0.2	-1	13.1
EPA 09	10/11/94	1.1	-0.001	-0.01	-0.01	0.15	-0.05	4.49	-0.1	0.15	-0.001	-0.1	0.002	9.8	-0.2	5	10.7
EPA 09	1/10/95	5.54	0.012	-0.01	-0.01	0.27	-0.05	7.76	-0.1	0.28	-0.001	-0.1	0.003	25.0	-0.2	1.2	28.2
EPA 09	4/11/95	0.18	0.002	-0.01	-0.01	0.07	-0.05	3.59	-0.1	-0.05	-0.001	-0.1	0.001	6.9	-0.2	-1	8.5
EPA 09	7/11/95	-0.1	0.003	-0.01	-0.01	0.022	-0.05	0.85	-0.1	-0.05	-0.001	-0.1	0.0006	8.1	0.4	-1	16.7
EPA 09	10/10/95	0.15	0.001	-0.01	-0.01	0.08	-0.05	3.88	-0.1	0.07	-0.001	-0.1	0.0015	- 6.0	-0.2	-1	11.4
EPA 09	1/9/96	1.87	-0.001	-0.01	-0.01	0.17	-0.05	5.15	-0.1	0.14	-0.001	-0.1	0.0024	13.9	-0.2	-1	8.7
EPA 09	4/10/96	0.34	0.001	-0.01	-0.01	0.11	-0.05	4.2	-0.1	0.09	-0.001	-0.1	0.0008	8.9	-0.2	-1	10.2
EPA 09	7/17/96	0.56	-0.001	-0.01	-0.01	0.15	-0.05	4.94	-0.1	0.12	-0.001	-0.1	0.0007	11.8	-0.2	-1	7.3
EPA 09	10/8/96	0.5	0.001	-0.01	-0.01	0.13	-0.05	4.61	-0.1	0.11	-0.001	-0.1	-0.0003	15.6	-0.2	-1	9.2
EPA 09	1/28/97	0.5	-0.001	-0.01	-0.01	0.12	-0.05	4.25	-0.1	0.09	0.002	-0.1	-0.0003	16.9	2.7	-1	10.7
EPA 09	4/15/97	0.81	-0.001	-0.01	-0.01	0.15	-0.05	5.03	-0.1	0.12	-0.001	-0.1	-0.0003	17.2	-0.2	-1	14.3

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.001**
EPA Standard		**NA**	**NA**	**NA**	**4,800**	**NA**	**NA**	**NA**	**NA**	**NA**	**2,125**	**250**	**NA**	**190**	**NA**
EPA 09	7/15/97	6,906.80	5.2	5.27	5,780	515	606	109	12	7	3,560	32.5	0.39	-0.1	-0.001
EPA 09	10/15/97	6,906.70	5.6	4.49	5,860	507	632	110	11.7	0	3,990	37.7	0.54	-0.1	-0.001
EPA 09	1/20/98	6,907.10	4.8	5.64	5,570	504	595	119	13.1	9	4,200	34.4	0.82	-0.1	-0.001
EPA 09	4/14/98	6,906.80	4.9	4.22	5,840	510	610	107	11.3	0	3,720	30.7	0.5	-0.1	-0.001
EPA 09	7/14/98	6,906.60	4.6	4.45	5,820	488	611	115	12.3	0	3,700	30.1	0.52	-0.1	-0.001
EPA 09	10/13/98	6,907.90	3.83	4.56	5,820	484	622	116	12.6	1	4,000	29.1	1.08	0.23	-0.001
EPA 09	1/12/99	6,917.50	4.3	4.58	5,870	423	601	107	11.8	0	4,000	28.9	0.55	-0.1	-0.001
EPA 09	4/13/99	6,907.80	4.1	4.45	5,860	472	624	105	11.8	0	3,750	38.9	0.66	-0.1	-0.001
EPA 09	7/20/99	6,907.51	3.8	4.18	5,930	492	634	104	13.1	0	3,860	32.9	0.48	-0.1	-0.001
EPA 09	10/12/99	6,907.40	4.9	4.47	5,860	459	591	108	11.6	0	3,680	32.6	0.57	-0.1	-0.001
EPA 09	1/11/00	6,907.80	4.2	4.25	5,790	460	610	103	12.2	0	3,690	31.7	0.62	-0.1	-0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
EPA 09	7/15/97	1.47	0.003	-0.01	-0.01	0.17	-0.05	5.22	-0.1	0.14	-0.001	-0.1	-0.0003	18.3	-0.2	-1	13
EPA 09	10/15/97	2.44	0.002	-0.01	-0.01	0.21	-0.05	6.12	-0.1	0.16	0.001	-0.1	0.001	25.4	-0.2	5.5	14.1
EPA 09	1/20/98	1.61	-0.001	-0.01	-0.005	0.22	-0.05	6.33	-0.1	0.15	-0.001	-0.1	0.0008	22.1	-0.2	-1	12.3
EPA 09	4/14/98	1.8	0.003	-0.01	-0.005	0.18	-0.05	5.5	-0.1	0.16	-0.001	-0.1	0.0008	19.7	-0.2	-1	15.9
EPA 09	7/14/98	2.66	0.004	-0.01	-0.005	0.19	-0.05	6.28	-0.1	0.15	-0.001	-0.1	0.0012	18.8	-0.2	-1	15.1
EPA 09	10/13/98	2.84	0.002	-0.01	-0.005	0.19	-0.05	5.67	-0.1	0.15	-0.001	-0.1	0.0008	19.8	-0.2	-1	18.9
EPA 09	1/12/99	2.9	0.005	-0.01	-0.005	0.19	-0.05	5.82	-0.1	0.14	-0.001	-0.1	0.0017	17.5	-0.2	10.6	10.6
EPA 09	4/13/99	3.42	-0.001	-0.01	-0.005	0.22	-0.05	6.28	-0.1	0.16	-0.001	-0.1	0.0015	24.1	-0.2	-1	17.4
EPA 09	7/20/99	2.8	0.002	-0.01	-0.005	0.17	-0.05	4.9	-0.1	0.13	-0.001	-0.1	0.0013	21.1	-0.2	-1	13.5
EPA 09	10/12/99	3.44	0.014	-0.01	-0.005	0.17	-0.05	5.84	-0.1	0.12	-0.001	-0.1	-0.0003	23.1	-0.2	-1	17.4
EPA 09	1/11/00	4.12	-0.001	0.01	-0.005	0.21	-0.05	6.52	-0.1	0.2	-0.001	-0.1	0.0013	21.1	-0.2	-1	16.2

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.001**
EPA Standard		**NA**	**NA**	**NA**	**4,800**	**NA**	**NA**	**NA**	**NA**	**NA**	**2,125**	**250**	**NA**	**190**	**NA**
EPA 11	7/25/89	6,854.60	5.9	5.9	4,245	587	337	151	10.1	176	2,757	29.9	0.56	0.02	-0.001
EPA 11	10/4/89	6,854.20	5.8	6.3	4,392	565	349	142	12.6	189	2,826	28.3	0.48	0.01	-0.001
EPA 11	1/16/90	6,853.00	5.6	5.88	4,406	515	335	150	10.4	177	2,813	30.3	0.55	0.07	-0.001
EPA 11	4/17/90	6,852.00	6	6.38	4,505	538	344	148	10.3	177	2,649	31.8	0.6	0.07	-0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
EPA 11	7/25/89	0.42	0.137	-0.05	-0.01	0.24	-0.05	3.3	68	0.45	-0.001	-0.01	0.0103	7.6	5.8	-1	5.3
EPA 11	10/4/89	0.49	0.604	-0.05	-0.01	0.22	-0.05	3.2	50	0.46	-0.001	-0.1	0.014	8.1	0.5	-1	6.1
EPA 11	1/16/90	0.22	0.481	-0.05	-0.01	0.23	-0.05	3.3	50	0.49	-0.001	-0.1	0.008	9.2	0.7	-1	7.1
EPA 11	4/17/90	0.34	0.357	-0.05	-0.01	0.23	-0.05	3.1	46	0.48	-0.001	-0.1	0.01	7.8	-0.2	-1	6.8

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.001**
EPA Standard		**NA**	**NA**	**NA**	**4,800**	**NA**	**NA**	**NA**	**NA**	**NA**	**2,125**	**250**	**NA**	**190**	**NA**
EPA 12	7/25/89	6,865.90	6.1	5.96	4,722	582	430	151	9.7	139	3,151	30.2	0.38	0.02	-0.001
EPA 12	10/4/89	6,865.80	5.9	6.4	4,742	534	414	132	10.9	167	3,039	26.4	0.37	0.03	-0.001
EPA 12	1/16/90	6,864.80	5.9	6.01	4,712	505	392	148	9.82	146	3,074	27.1	0.4	0.7	-0.001
EPA 12	4/17/90	6,863.90	5.9	6.47	4,757	521	402	143	9.2	170	2,989	27	0.41	0.15	-0.001
EPA 12	7/12/90	6,862.80	6	6.26	4,839	532	437	143	10	139	2,754	27.9	0.27	0.12	-0.001
EPA 12	10/16/90	6,862.20	6	6.65	4,816	491	409	146	10.7	142	3,102	29	0.32	0.07	-0.001
EPA 12	1/8/91	6,861.40	6	6.29	4,828	536	429	144	24	140	3,100	27.3	0.48	0.07	-0.001
EPA 12	4/16/91	6,861.00	5.9	6.86	4,863	527	429	137	8.5	109	3,204	27.6	0.31	0.1	-0.001
EPA 12	7/3/91	6,860.40	5.8	6.32	4,623	486	409	133	8	119	3,257	25.1	0.41	0.03	-0.001
EPA 12	10/22/91	6,859.70	5.8	6.28	4,884	507	423	140	8.5	139	3,226	29.5	0.16	-0.01	-0.001
EPA 12	1/22/92	6,858.40	5.9	6.24	5,060	531	423	130	8.2	75	3,162	24.8	1.72	-0.01	-0.001
EPA 12	4/2/92	6,857.50	5.6	7.04	4,820	523	457	167	11.1	122	3,297	23.4	1.5	-0.1	-0.001
EPA 12	7/15/92	6,856.00	5.8	7.22	5,073	495	438	149	9.3	50	3,264	23.8	0.23	-0.1	-0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
EPA 12	7/25/89	-0.1	0.001	-0.05	-0.01	0.11	-0.05	4.1	7.6	0.3	-0.001	-0.1	0.0017	8.3	3.4	-1	7.1
EPA 12	10/4/89	0.11	0.001	-0.05	-0.01	0.11	-0.05	3.5	6.3	0.27	-0.001	-0.1	0.004	9.0	2.2	2	13
EPA 12	1/16/90	-0.1	0.002	-0.05	-0.01	0.13	-0.05	3.5	6.7	0.24	-0.001	-0.1	0.004	8.6	-0.2	-1	5.5
EPA 12	4/17/90	-0.1	0.002	-0.05	-0.01	0.08	-0.05	3.5	5.3	0.2	-0.001	-0.1	0.003	12.1	-0.2	-1	6.5
EPA 12	7/12/90	-0.1	0.084	-0.05	-0.01	0.1	-0.05	3.5	7.01	0.19	-0.001	-0.1	0.0029	13.3	-0.2	2.4	-1
EPA 12	10/16/90	-0.1	0.095	-0.05	-0.01	0.13	-0.05	3.35	6.54	0.19	-0.001	-0.1	0.0007	14.4	-0.2	-1	5
EPA 12	1/8/91	0.1	0.004	-0.01	-0.01	0.12	-0.05	3.06	3.87	0.21	0.001	-0.1	0.0036	5.2	-0.2	-1	4
EPA 12	4/16/91	0.14	0.066	-0.01	-0.01	0.14	-0.05	3.68	6.26	0.21	-0.001	-0.1	0.001	16.7	-0.2	2	8
EPA 12	7/3/91	0.34	0.055	-0.01	-0.01	0.1	-0.05	2.97	3.82	0.17	-0.001	-0.1	0.001	8.7	-0.2	-1	5
EPA 12	10/22/91	0.2	0.054	-0.01	-0.01	0.11	-0.05	3.32	3.32	0.17	-0.001	-0.1	-0.0003	- 5.8	-0.2	-1	5
EPA 12	1/22/92	-0.1	0.036	-0.01	-0.01	0.12	-0.05	3.02	3.7	0.17	-0.001	-0.1	0.007	14.5	-0.2	-1	8
EPA 12	4/2/92	-0.1	0.026	-0.01	-0.01	0.14	-0.05	3.31	2.4	0.16	-0.001	-0.1	-0.0003	14.3	-0.2	1.1	6.5
EPA 12	7/15/92	-0.1	0.013	-0.01	-0.01	0.13	-0.05	3.1	1.9	0.14	-0.001	-0.1	0.007	19.3	-0.2	-1	6.5

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001
EPA Standard		NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA
EPA 13	7/25/89	6,881.30	5.5	5.56	5,054	576	479	136	11.8	32	3,454	29.7	0.84	14.1	-0.001
EPA 13	10/4/89	6,880.40	5.5	6.4	4,736	550	407	129	15.1	86	3,180	27.6	0.51	26	-0.001
EPA 13	1/16/90	6,878.50	5.1	5.3	5,042	482	477	128	12.3	14	3,420	26.4	0.96	4.6	-0.001
EPA 13	4/17/90	6,877.70	5	5.6	5,256	496	485	122	11.8	67	3,377	27.4	1.03	4.1	-0.001
EPA 13	7/17/90	6,876.80	5.3	5.6	5,140	590	527	117	11.3	40	3,253	25	0.51	10.8	-0.001
EPA 13	10/16/90	6,876.10	5.7	5.98	5,067	513	422	129	12.6	39	3,355	31.1	0.57	6.8	-0.001
EPA 13	1/8/91	6,875.20	5.4	5.73	5,153	531	515	121	23	35	3,432	29.4	0.95	9.6	-0.001
EPA 13	4/16/91	6,874.80	5.3	5.53	5,255	485	457	124	12.8	13	3,460	49.5	1.05	5.6	-0.001
EPA 13	7/3/91	6,876.30	5.2	5.66	5,240	472	473	109	10.4	25	3,357	23.6	1.2	0.45	-0.001
EPA 13	10/22/91	6,876.10	5.2	5.75	5,409	488	466	114	11.3	39	3,611	28.5	0.78	-0.01	-0.001
EPA 13	1/22/92	6,875.52	5.4	5.48	5,640	502	496	115	10.6	15	3,733	24.1	0.46	-0.01	-0.001
EPA 13	4/7/92	6,875.22	5.4	6.79	5,228	629	539	149	14.1	60	3,924	26.7	0.92	-0.1	-0.001
EPA 13	7/15/92	6,874.00	5.6	4.25	5,888	541	556	131	11.5	0	3,862	21.6	0.49	-0.1	-0.001
EPA 13	10/14/92	6,873.50	5.8	5.25	6,201	534	572	131	11.7	29	4,186	32.7	0.58	-0.1	-0.001
EPA 13	1/14/93	6,873.00	5.7	5.02	6,412	636	738	128	12.4	92	4,391	30.1	0.11	-0.1	-0.001
EPA 13	4/15/93	6,872.00	5.8	5.81	5,848	469	731	155	10	38	4,315	27.6	0.64	-0.1	-0.001
EPA 13	7/20/93	6,872.10	5.9	5.89	6,564	535	817	137	10.9	29	4,790	28.9	0.61	-0.1	-0.001
EPA 13	10/12/93	6,869.80	6.2	5.38	6,064	518	715	135	10.3	21	4,387	30.4	0.56	-0.1	-0.001
EPA 13	1/11/94	6,871.60	6.1	6.15	6,208	510	696	145	9.8	57	4,444	30	0.57	-0.1	-0.001
EPA 13	4/20/94	6,871.60	6	6	6,116	514	686	132	9.1	79	4,436	30.7	1.33	-0.1	-0.001
EPA 13	7/26/94	6,871.60	5.9	6.51	6,088	528	782	154	10.9	68	4,343	33.3	0.17	-0.1	-0.001
EPA 13	10/11/94	6,870.40	5.9	6.46	6,762	506	806	162	11	81	4,784	34.7	0.97	-0.1	-0.001
EPA 13	1/10/95	6,869.90	6	6.57	6,748	545	815	142	12	99	4,810	34	1.28	-0.1	-0.001
EPA 13	4/11/95	6,870.20	6.2	6.13	6,718	522	714	154	11	95	4,729	40	1.36	-0.1	-0.001
EPA 13	7/11/95	6,869.40	6.9	6.61	6,107	500	814	141	10.5	67	4,435	37.7	1.14	-0.1	-0.001
EPA 13	10/10/95	6,869.30	6.2	6.85	6,119	485	730	154	11.2	78	4,340	33.6	1.12	-0.1	-0.001
EPA 13	1/9/96	6,868.90	6.3	6.47	6,144	465	730	141	10.4	95	4,440	33.6	0.45	-0.1	-0.001
EPA 13	4/10/96	6,867.30	6.8	7.09	6,642	544	877	148	11.1	86	5,040	35.9	0.53	-0.1	-0.001
EPA 13	7/17/96	6,868.70	6.2	6.23	6,694	468	761	149	11.7	75	4,320	39	0.45	-0.1	-0.001
EPA 13	10/8/96	6,868.50	6.3	6.32	6,670	519	830	151	11.5	79	4,689	36	0.5	-0.1	-0.001
EPA 13	1/28/97	6,868.20	6.5	6.95	6,570	512	800	132	10.9	101	4,570	50.1	0.48	-0.1	-0.001
EPA 13	4/15/97	6,868.00	6.3	6.79	6,750	510	828	145	11.6	100	4,740	39.2	0.51	-0.1	0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
EPA 13	7/25/89	0.21	0.007	-0.05	-0.01	0.47	-0.05	6.2	1.5	0.59	-0.001	-0.1	0.006	8.9	6.4	2.7	5.3
EPA 13	10/4/89	0.42	0.012	-0.05	-0.01	0.23	-0.05	3.4	1.5	0.37	-0.001	-0.1	-0.028	8.3	0.8	-1	5.9
EPA 13	1/16/90	0.19	0.021	-0.05	-0.01	0.42	0.06	6.4	0.51	0.6	0.001	-0.1	0.009	11.9	-0.2	-1	5.1
EPA 13	4/17/90	-0.1	0.024	-0.05	-0.01	0.36	-0.05	5.8	0.57	0.46	-0.001	-0.1	0.007	8.6	-0.02	-1	6.9
EPA 13	7/17/90	0.24	0.033	-0.05	-0.01	0.25	-0.05	5.5	0.69	0.33	-0.001	-0.1	0.0078	7.0	-0.2	-1	5
EPA 13	10/16/90	0.1	0.016	-0.05	-0.01	0.22	-0.05	5.21	0.8	0.34	-0.001	-0.1	0.0117	9.3	-0.2	1.4	5
EPA 13	1/8/91	0.74	0.066	-0.01	-0.01	0.21	-0.05	6.62	0.81	0.39	-0.001	-0.1	0.0054	12.4	-0.2	-1	4
EPA 13	4/16/91	-0.1	0.031	-0.01	-0.01	0.33	-0.05	7.16	0.89	0.36	-0.001	-0.1	0.004	11.3	-0.2	-1	3
EPA 13	7/3/91	1.14	0.044	-0.01	-0.01	0.32	-0.05	7.2	0.59	0.37	-0.001	-0.1	0.0029	4.2	-0.2	-1	3
EPA 13	10/22/91	0.22	0.1	-0.01	-0.01	0.27	-0.05	7.04	0.58	0.38	0.001	-0.1	0.0156	- 5.2	-0.2	2.3	4
EPA 13	1/22/92	-0.1	0.077	-0.01	-0.01	0.23	-0.05	6.59	0.64	0.26	-0.001	-0.1	0.004	10.4	-0.2	-1	7
EPA 13	4/7/92	0.2	0.134	-0.01	0.02	0.21	-0.05	6.56	0.8	0.3	-0.001	-0.1	0.004	11.7	-0.2	1.3	4.3
EPA 13	7/15/92	-0.1	0.084	-0.01	-0.01	0.23	-0.05	6.33	0.83	0.22	0.001	-0.1	0.009	15.2	-0.2	-1	6.1
EPA 13	10/14/92	0.58	0.175	-0.01	-0.01	0.21	-0.05	6.43	0.9	0.2	-0.001	-0.1	0.002	13.4	-0.2	1.2	4.9
EPA 13	1/14/93	0.42	0.23	-0.01	-0.01	0.15	-0.05	6.24	0.78	0.24	-0.001	-0.1	0.013	14.4	-0.2	-1	6.5
EPA 13	4/15/93	-0.1	0.186	-0.01	-0.01	0.14	-0.05	5.81	0.59	0.2	-0.001	-0.1	0.017	10.7	-0.2	-1	3.5
EPA 13	7/20/93	-0.1	0.265	-0.01	-0.01	0.14	-0.05	5.65	0.73	0.18	-0.001	-0.1	0.017	9.9	-0.2	-1	5.1
EPA 13	10/12/93	-0.1	0.154	-0.01	-0.01	0.11	-0.05	5.51	0.6	0.14	-0.001	-0.1	0.024	10.9	-0.2	-1	6
EPA 13	1/11/94	-0.1	0.225	-0.01	-0.01	0.07	-0.05	5.51	0.67	0.19	-0.001	-0.1	0.027	10.7	-0.2	-1	14.8
EPA 13	4/20/94	-0.1	0.262	-0.01	-0.01	0.09	-0.05	4.69	0.48	0.14	-0.001	-0.1	0.023	15.0	-0.2	-1	20.1
EPA 13	7/26/94	0.66	0.199	-0.01	-0.01	0.1	-0.05	5.9	0.66	0.13	-0.001	-0.1	0.019	19.1	-0.2	1.7	26.2
EPA 13	10/11/94	-0.1	0.192	-0.01	-0.01	0.11	-0.05	5.26	0.57	0.13	-0.001	-0.1	0.022	12.1	-0.2	-1	19.5
EPA 13	1/10/95	-0.1	0.253	-0.01	-0.01	0.14	-0.05	5.88	0.82	0.17	-0.001	-0.1	0.024	16.0	-0.2	-1	20.3
EPA 13	4/11/95	-0.1	0.23	-0.01	-0.01	0.06	-0.05	5.82	0.47	0.1	-0.001	-0.1	0.022	14.3	-0.2	-1	19.1
EPA 13	7/11/95	-0.1	0.255	-0.01	-0.01	0.016	-0.05	1.26	-0.1	-0.05	-0.001	-0.1	0.024	17.0	0.4	2.8	15.9
EPA 13	10/10/95	-0.1	0.225	-0.01	-0.01	0.05	-0.05	5.91	0.38	0.12	-0.001	-0.1	0.026	6.6	-0.2	1.1	11.8
EPA 13	1/9/96	-0.1	0.227	-0.01	-0.01	-0.01	-0.05	1.19	-0.1	-0.05	-0.001	-0.1	0.028	13.5	-0.2	-1	5.4
EPA 13	4/10/96	-0.1	0.295	-0.01	-0.01	0.06	-0.05	5.65	0.35	0.11	-0.001	-0.1	0.029	14.9	-0.2	-1	7.6
EPA 13	7/17/96	-0.1	0.269	-0.01	-0.01	0.06	-0.05	5.94	0.41	0.12	-0.001	-0.1	0.022	18.7	0.7	-1	6
EPA 13	10/8/96	-0.1	0.301	-0.01	-0.01	0.06	-0.05	5.71	0.34	0.12	-0.001	-0.1	0.027	11.5	-0.2	-1	4.4
EPA 13	1/28/97	-0.1	0.43	-0.01	-0.01	0.06	-0.05	5.96	0.4	0.12	0.003	-0.1	0.019	14.4	1.5	-1	4.7
EPA 13	4/15/97	-0.1	0.331	-0.01	-0.01	0.05	-0.05	5.87	0.34	0.12	-0.001	-0.1	0.013	15.5	-0.2	-1	7.8

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001
EPA Standard		NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA
EPA 13	7/15/97	6,868.00	6.2	7.02	6,740	499	795	145	11.6	84	4,620	38.7	0.48	-0.1	-0.001
EPA 13	10/15/97	6,867.50	6.4	7.21	6,670	497	830	144	11.1	90	4,620	49.6	0.6	-0.1	-0.001
EPA 13	1/20/98	6,867.80	6	7.07	6,610	486	780	152	12.3	85	4,700	43.4	0.84	-0.1	-0.001
EPA 13	4/14/98	6,867.60	6.3	7.12	6,630	494	795	138	10.6	83	4,560	38	0.55	-0.1	-0.001
EPA 13	7/14/98	6,867.40	6	6.89	6,700	473	777	149	11.8	77	4,100	35.6	0.59	0.11	-0.001
EPA 13	10/13/98	6,868.50	5.93	7.72	6,440	472	795	151	12	90	4,520	36.1	0.65	-0.1	-0.001
EPA 13	1/12/99	6,868.20	6.2	6.99	6,510	410	769	137	11.7	92	4,450	36.8	0.6	-0.1	-0.001
EPA 13	4/13/99	6,868.10	6.1	6.93	6,520	456	776	136	11.1	86	4,200	46	0.69	-0.1	-0.001
EPA 13	7/20/99	6,868.02	6.2	6.94	6,510	476	791	134	12.8	77	4,260	42	0.53	-0.1	-0.001
EPA 13	10/12/99	6,867.90	6.1	7.16	6,520	430	726	133	11.4	100	3,890	40.7	0.53	-0.1	-0.001
EPA 13	1/11/00	6,868.40	6.1	7.17	6,340	455	787	138	12	92	4,160	37.5	0.6	-0.1	-0.001
EPA 13	4/9/01	6,867.90	7.19	6.43	6,110	522	835	138	11.6	79	4,660	36.5	0.62	-0.1	-0.001
EPA 13	7/16/01	6,867.60	5.73	6.77	6,450	421	733	139	13.3	81	3,950	49.9	0.67	-0.1	-0.001
EPA 13	10/8/01	6,867.80	5.96	6.6	6,390	410	710	116	11	86	3,600	48.5	0.53	-0.1	-0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
EPA 13	7/15/97	-0.1	0.464	-0.01	-0.01	0.05	-0.05	5.46	0.35	0.1	-0.001	-0.1	0.019	16.1	-0.2	-1	4.5
EPA 13	10/15/97	-0.1	0.595	-0.01	-0.01	0.07	-0.05	6.21	0.45	0.12	-0.001	-0.1	0.03	15.1	-0.2	-1	5.4
EPA 13	1/20/98	-0.1	0.444	-0.01	-0.005	0.08	-0.05	6.84	0.39	0.13	-0.001	-0.1	0.027	13.2	-0.2	-1	6.1
EPA 13	4/14/98	-0.1	0.563	-0.01	-0.005	0.05	-0.05	5.6	0.34	0.11	-0.001	-0.1	0.0285	9.2	-0.2	-1	6.3
EPA 13	7/14/98	-0.1	0.45	-0.01	-0.005	0.05	-0.05	6.04	0.29	0.1	-0.001	-0.1	0.0311	9.7	-0.2	-1	3.9
EPA 13	10/13/98	-0.1	0.613	-0.01	-0.005	0.05	-0.05	5.64	0.32	0.12	-0.001	-0.1	0.0244	8.9	-0.2	-1	6.6
EPA 13	1/12/99	-0.1	0.514	-0.01	0.006	0.05	-0.05	5.6	0.26	0.08	-0.001	-0.1	0.0267	11.7	-0.2	-1	4.3
EPA 13	4/13/99	-0.1	0.717	-0.01	-0.005	0.06	-0.05	5.96	0.33	0.1	-0.001	-0.1	0.0284	12.1	-0.2	-1	8.4
EPA 13	7/20/99	-0.1	-0.001	-0.01	-0.005	0.06	-0.05	4.6	0.26	0.1	-0.001	-0.1	0.0242	11.1	-0.2	-1	8.6
EPA 13	10/12/99	-0.1	0.443	-0.01	-0.005	0.04	-0.05	5.63	0.3	-0.05	-0.001	-0.1	0.0237	11.4	-0.2	-1	5.1
EPA 13	1/11/00	-0.1	0.347	-0.01	-0.005	0.06	-0.05	5.89	0.32	0.16	-0.001	-0.1	0.0207	13.2	1.7	-1	6.3
EPA 13	4/9/01	0.1	0.601	-0.01	-0.005	0.06	-0.05	6.33	0.3	0.15	-0.001	-0.1	0.023	9.7	-0.2	-1	6.9
EPA 13	7/16/01	-0.1	0.386	-0.01	-0.005	0.08	-0.05	8.41	0.4	0.21	-0.001	-0.1	0.025	10.1	-0.2	-1	5.9
EPA 13	10/8/01	-0.1	0.32	-0.01	-0.005	0.04	-0.05	4.72	0.19	0.08	-0.001	-0.1	0.0159	9.0	-0.2	-1	5.8

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001
EPA Standard		NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA
EPA 14	7/28/89	6,895.90	6	5.82	3,189	471	245	149	4.5	146	2,111	26.8	0.08	16.9	-0.001
EPA 14	10/8/89	6,891.10	5.4	6	3,672	407	281	163	6.1	99	2,370	31.9	0.09	18.8	-0.001
EPA 14	1/17/90	6,889.50	5.6	6.11	3,446	424	275	155	4.6	159	2,099	29.4	0.08	16.8	-0.001
EPA 14	4/18/90	6,888.20	5.7	6.15	3,529	430	240	140	3.4	176	2,088	28.7	0.15	19	-0.001
EPA 14	7/12/90	6,886.60	5.8	6.12	3,559	486	281	146	5.2	173	2,067	30.1	-0.05	21.2	-0.001
EPA 14	10/10/90	6,886.80	5.7	6.43	3,541	380	251	153	5.9	189	2,079	33.3	0.07	20.8	-0.001
EPA 14	1/8/91	6,886.50	5.7	6.35	3,499	462	266	152	22	185	2,222	31.8	-0.05	24.6	-0.001
EPA 14	4/16/91	6,886.90	5.6	6.8	3,738	436	321	177	4.3	143	2,380	34.8	0.07	27.5	-0.001
EPA 14	7/3/91	6,883.90	5.3	6.25	3,774	421	313	158	4	102	2,558	35.7	0.08	28.9	-0.001
EPA 14	10/22/91	6,875.10	5.7	6.35	3,296	424	229	148	4.1	234	2,117	37.6	0.09	9.2	-0.001
EPA 14	1/23/92	6,880.20	5.5	6.16	4,045	414	296	163	4.5	115	2,463	39.1	-0.05	14	-0.001
EPA 14	4/2/92	6,880.20	5.4	7.09	4,058	464	338	213	6	126	2,607	33.6	0.18	27.4	-0.001
EPA 14	7/16/92	6,870.30	6.2	6.28	3,186	393	333	183	6.3	316	2,306	30.5	0.07	23.3	-0.001
EPA 14	10/15/92	6,870.60	6.1	6.38	3,753	491	276	179	6	159	2,332	32.8	-0.05	24.2	-0.001
EPA 14	1/14/93	6,875.30	5.9	6.47	3,728	485	256	156	4.4	142	2,456	35.5	0.12	26.5	-0.001
EPA 14	4/15/93	6,872.20	5.9	6.54	3,401	420	217	164	3.4	180	2,096	32.2	0.17	27.1	-0.001
EPA 14	7/20/93	6,866.90	6.5	7.46	3,350	444	285	122	3.4	370	2,197	28.9	0.14	14.9	-0.001
EPA 14	10/11/93	6,865.60	6.5	6.49	3,272	503	185	137	3.5	220	1,936	29.6	0.05	25.7	-0.001
EPA 14	1/11/94	6,871.00	5.7	6.49	3,409	446	270	158	3.5	97	2,285	37.9	-0.05	31.9	-0.001
EPA 14	4/19/94	6,868.40	6.2	6.54	2,743	450	141	144	5	250	1,654	27.3	0.18	16.9	-0.001
EPA 14	7/26/94	6,866.10	6.3	7.04	2,710	505	151	115	3.6	284	1,732	25.6	0.2	9.94	-0.001
EPA 14	10/11/94	6,866.10	6.3	7.05	3,074	500	148	146	4.6	299	1,776	26.9	0.25	23.5	-0.001
EPA 14	1/10/95	6,867.80	6	6.6	3,516	545	211	154	6.6	121	2,309	35.8	0.48	33	-0.001
EPA 14	4/10/95	6,867.60	6.1	6.01	4,051	511	284	160	5.63	104	2,570	43.7	0.57	40	-0.001
EPA 14	7/10/95	6,863.40	6.2	7.62	2,659	500	108	124	4.6	465	1,456	26.2	0.21	18.6	-0.001
EPA 14	10/9/95	6,863.60	6.6	7.44	2,864	510	135	118	4.9	439	1,530	25.7	0.16	22.4	-0.001
EPA 14	1/8/96	6,861.80	6.5	7.27	2,773	525	103	120	4.7	490	1,440	26	-0.05	24.6	-0.001
EPA 14	4/9/96	6,861.20	6.8	7.75	2,825	551	109	121	5.1	516	1,468	30	0.12	23.9	-0.001
EPA 14	7/17/96	6,861.00	6.5	6.91	2,907	532	116	132	5.6	498	1,616	35	0.13	23.8	-0.001
EPA 14	10/8/96	6,861.10	6.5	7.24	2,900	610	143	137	5.9	511	1,589	33	0.11	23.9	-0.001
EPA 14	1/28/97	6,861.60	6.5	7.71	3,200	580	170	120	5.51	459	1,927	48	0.05	26.7	-0.001
EPA 14	4/14/97	6,861.90	6.5	7.45	3,000	641	134	124	5.6	584	1,612	42.3	0.06	22.9	0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
EPA 14	7/28/89	0.79	-0.001	-0.05	-0.01	0.04	-0.05	0.63	-0.1	0.05	-0.001	-0.1	0.0166	6.4	-0.2	-1	3.2
EPA 14	10/8/89	1.1	-0.001	-0.05	-0.01	0.04	-0.05	0.7	0.02	0.07	-0.001	-0.1	0.014	5.7	-0.2	7.1	2.8
EPA 14	1/17/90	0.67	-0.001	-0.05	-0.01	0.01	-0.05	0.89	-0.1	-0.05	-0.001	-0.1	0.019	- 3.7	2.9	2.2	5.1
EPA 14	4/18/90	0.52	-0.001	-0.05	-0.01	-0.01	-0.05	0.56	-0.1	0.07	-0.001	-0.1	0.022	4.9	-0.2	-1	2.4
EPA 14	7/12/90	0.68	-0.001	-0.05	-0.01	0.02	-0.05	0.61	0.13	-0.05	-0.001	-0.1	0.0223	3.3	-0.2	4.6	2
EPA 14	10/10/90	0.5	-0.001	-0.05	-0.01	0.05	-0.05	0.71	-0.1	0.08	-0.001	-0.1	0.0323	6.5	-0.2	-1	4
EPA 14	1/8/91	0.54	-0.001	-0.01	-0.01	0.03	-0.05	0.71	-0.1	0.08	0.001	-0.1	0.0312	- 3.4	-0.2	-1	2
EPA 14	4/16/91	0.86	-0.001	-0.01	-0.01	0.04	-0.05	0.7	-0.1	0.06	-0.001	-0.1	0.018	- 2.3	-0.2	-1	1
EPA 14	7/3/91	1.06	-0.001	-0.01	-0.01	0.05	-0.05	0.75	-0.1	0.07	-0.001	-0.1	0.0108	5.8	-0.2	-1	2
EPA 14	10/22/91	0.31	-0.001	-0.01	-0.01	0.03	-0.05	0.73	-0.1	-0.05	-0.001	-0.1	0.0332	- 2.6	-0.2	1.3	2
EPA 14	1/23/92	1	-0.001	-0.01	-0.01	0.03	-0.05	0.81	-0.1	-0.05	0.001	-0.1	0.01	3.7	-0.2	3.3	3
EPA 14	4/2/92	1	-0.001	-0.01	-0.01	0.04	-0.05	0.91	-0.1	0.06	0.015	-0.1	0.007	- 2.6	-0.2	-1	1.9
EPA 14	7/16/92	0.45	-0.001	-0.01	-0.01	0.02	-0.05	0.71	-0.1	-0.05	0.001	-0.1	0.028	6.5	-0.2	-1	3.8
EPA 14	10/15/92	0.73	-0.001	-0.01	-0.01	0.03	-0.05	0.87	-0.1	0.07	-0.001	-0.1	0.009	6.3	-0.2	1.7	2.6
EPA 14	1/14/93	0.59	0.002	-0.01	-0.01	0.04	-0.05	0.42	-0.1	0.11	-0.001	-0.1	0.009	6.3	-0.2	-1	3.6
EPA 14	4/15/93	0.4	-0.001	-0.001	-0.01	0.03	-0.05	0.82	-0.1	-0.05	-0.001	-0.1	0.017	6.2	-0.2	-1	2.1
EPA 14	7/20/93	-0.1	-0.001	-0.01	-0.01	0.01	-0.05	0.55	0.22	-0.05	-0.001	-0.1	0.054	6.1	-0.2	-1	2.9
EPA 14	10/11/93	0.4	-0.001	-0.01	-0.01	0.02	-0.05	0.74	-0.1	-0.05	0.001	-0.1	0.023	5.1	-0.2	-1	6.2
EPA 14	1/11/94	0.88	-0.001	-0.01	-0.01	0.03	-0.05	1.18	-0.1	-0.05	-0.001	-0.1	0.014	8.5	-0.2	-1	12.4
EPA 14	4/19/94	0.36	-0.001	-0.01	-0.01	0.06	-0.05	0.92	0.16	-0.05	-0.001	-0.1	0.037	5.9	-0.2	-1	7.6
EPA 14	7/26/94	0.31	-0.001	-0.01	-0.01	0.02	-0.05	1.1	0.21	-0.05	0.011	-0.1	0.036	- 4.1	-0.2	-1	7.3
EPA 14	10/11/94	0.53	-0.001	-0.01	-0.01	0.05	-0.05	1.26	0.11	-0.05	-0.001	-0.1	0.033	3.3	-0.2	1.7	3.9
EPA 14	1/10/95	1.25	-0.001	-0.01	-0.01	0.06	-0.05	2.34	-0.1	-0.05	-0.001	-0.1	0.008	8.1	-0.2	1.1	10.3
EPA 14	4/10/95	1.68	-0.001	-0.01	-0.01	0.07	-0.05	2.59	-0.1	-0.05	-0.001	-0.1	0.005	7.8	-0.2	-1	10.4
EPA 14	7/10/95	-0.1	-0.001	-0.01	-0.01	0.01	-0.05	1.05	0.19	-0.05	-0.001	-0.1	0.064	4.9	-0.2	-1	7.9
EPA 14	10/9/95	0.18	0.001	-0.01	-0.01	-0.01	-0.05	1.33	0.16	-0.05	0.003	-0.1	0.064	- 4.7	-0.2	-1	8.4
EPA 14	1/8/96	-0.1	-0.001	-0.01	-0.01	0.01	-0.05	1.15	-0.1	-0.05	-0.001	-0.1	0.081	5.5	-0.2	1.8	2.6
EPA 14	4/9/96	-0.1	-0.001	-0.01	-0.01	-0.01	-0.05	1.26	0.18	-0.05	-0.001	-0.1	0.083	5.9	-0.2	-1	3.9
EPA 14	7/17/96	-0.1	-0.001	-0.01	-0.01	0.02	-0.05	1.44	0.18	-0.05	-0.001	-0.1	0.09	- 4.4	-0.2	-1	3.5
EPA 14	10/8/96	-0.1	-0.001	-0.01	-0.01	0.02	-0.05	1.52	0.18	-0.05	-0.001	-0.1	0.075	10.5	-0.2	-1	1.9
EPA 14	1/28/97	-0.1	-0.001	-0.01	-0.01	0.03	-0.05	1.87	0.13	-0.05	0.003	-0.1	0.054	6.2	-0.2	-1	4.2
EPA 14	4/14/97	-0.1	-0.001	-0.01	-0.01	-0.01	-0.05	1.49	0.18	-0.05	-0.001	-0.1	0.09	12.1	-0.2	-1	3.6

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001
EPA Standard		NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA
EPA 14	7/14/97	6,858.50	6.5	7.35	3,160	632	148	116	5.7	627	1,640	48.9	0.08	25.7	-0.001
EPA 14	10/14/97	6,859.10	6.6	7.75	3,280	677	165	127	6.1	616	1,750	60.5	0.13	26.2	-0.001
EPA 14	1/19/98	6,863.50	6.3	7.66	3,720	600	234	147	7.7	442	2,150	52.8	0.4	33.2	-0.001
EPA 14	4/13/98	6,858.00	6.7	7.36	3,310	682	157	121	6	688	1,630	53.3	0.11	26.4	-0.001
EPA 14	7/13/98	6,857.40	6.7	7.62	3,560	664	164	132	7	715	1,600	56.9	0.11	25.2	-0.001
EPA 14	10/13/98	6,861.20	6.66	8.17	3,810	626	247	149	7.9	527	2,120	54.8	0.34	29.8	-0.001
EPA 14	1/12/99	6,858.10	6.7	7.72	3,690	622	212	124	6.7	570	1,900	56.2	0.44	28.1	-0.001
EPA 14	4/13/99	6,857.80	6.6	7.93	3,690	656	191	130	7.7	647	1,820	70.2	1.08	33.9	-0.001
EPA 14	7/20/99	6,857.41	6.2	7.94	3,730	683	217	124	9.6	667	1,900	70	2.07	31.3	-0.001
EPA 14	10/12/99	6,857.40	6.54	7.68	3,700	669	191	122	7.9	746	1,630	71.2	2.01	32.3	-0.001
EPA 14	1/11/00	6,857.10	6.5	7.73	3,790	599	211	121	8.6	650	1,820	60.9	1.85	32.4	-0.001
EPA 14	5/2/00	6,857.40	6.4	7.56	3,800	590	200	126	8.6	627	1,880	60.5	1.83	34.4	-0.001
EPA 14	7/12/00	6,859.30	6.94	7.11	4,410	563	368	161	8.65	239	2,560	53.1	0.56	23	-0.001
EPA 14	10/9/00	6,861.00	7.09	7.26	4,440	543	423	163	9.5	153	3,210	44.2	0.35	19.3	-0.001
EPA 14	1/15/01	6,860.50	6.08	6.55	4,550	507	379	155	9.3	113	3,110	55.2	0.23	19.9	-0.001
EPA 14	4/2/01	6,860.70	5.9	6.89	4,570	570	439	153	8.3	104	2,990	52.6	0.43	18.1	-0.001
EPA 14	7/10/01	6,860.40	5.79	4.1	6,810	491	476	201	7.1	0	4,080	78.7	91.3	15.7	-0.001
EPA 14	10/8/01	6,860.35	6.6	6.6	4,780	480	390	145	9.1	84	2,500	62	0.4	14	-0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
EPA 14	7/14/97	-0.1	0.001	-0.01	-0.01	-0.01	-0.05	1.54	0.15	-0.05	-0.001	-0.1	0.088	8.1	-0.2	-1	3
EPA 14	10/14/97	-0.1	-0.001	-0.01	-0.01	0.02	-0.05	2.05	0.2	-0.05	-0.001	-0.1	0.101	8.2	-0.2	-1	3.5
EPA 14	1/19/98	-0.1	-0.001	-0.01	-0.005	0.07	-0.05	3.21	0.13	0.06	-0.001	-0.1	0.075	10.1	-0.2	-1	3.9
EPA 14	4/13/98	-0.1	-0.001	-0.01	-0.005	0.01	-0.05	1.92	0.18	-0.05	-0.001	-0.1	0.121	7.2	-0.2	-1	6
EPA 14	7/13/98	-0.1	-0.001	-0.01	-0.005	-0.01	-0.05	2.2	0.16	-0.05	-0.001	-0.1	0.12	9.3	-0.2	-1	2.9
EPA 14	10/13/98	-0.1	-0.001	-0.01	-0.005	0.06	-0.05	2.86	0.12	0.08	-0.001	-0.1	0.0906	8.5	-0.2	-1	4.4
EPA 14	1/12/99	-0.1	-0.001	-0.01	-0.005	0.02	-0.05	2.58	0.11	-0.05	-0.001	-0.1	0.111	10.8	-0.2	3.6	3.6
EPA 14	4/13/99	-0.1	0.002	-0.01	0.005	0.03	-0.05	2.83	0.15	-0.05	-0.001	-0.1	0.11	17.2	-0.2	-1	10.8
EPA 14	7/20/99	-0.1	0.004	-0.01	-0.005	0.03	-0.05	2.24	0.14	-0.05	-0.001	-0.1	0.114	11.9	-0.2	-1	6.7
EPA 14	10/12/99	-0.1	-0.001	-0.01	-0.005	0.02	-0.05	2.86	0.15	-0.05	-0.001	-0.1	0.127	10.6	-0.2	-1	5.2
EPA 14	1/11/00	0.17	-0.001	-0.01	-0.005	0.04	-0.05	2.96	0.18	0.08	0.001	-0.1	0.104	12.9	-0.2	-1	7.6
EPA 14	5/2/00	8.3	-0.001	-0.01	0.014	0.05	-0.05	3.24	0.2	-0.05	-0.001	-0.1	0.12	19.1	2	-1	6.5
EPA 14	7/12/00	11.6	0.002	-0.01	-0.005	0.18	-0.05	4.36	-0.1	0.15	-0.001	-0.1	0.053	9.7	-0.2	-1	5.4
EPA 14	10/9/00	8.13	-0.001	-0.01	0.008	0.18	-0.05	3.96	-0.1	0.15	-0.001	-0.1	0.0435	10.8	-0.2	-1	10.3
EPA 14	1/15/01	23.7	-0.001	0.01	0.008	0.23	-0.05	4.65	-0.1	0.24	-0.001	-0.1	0.049	- 6.2	-0.2	-1	4.5
EPA 14	4/2/01	13	-0.001	0.01	0.008	0.26	-0.05	4.68	-0.1	0.27	-0.001	-0.1	0.037	10.6	-0.2	-1	5.1
EPA 14	7/10/01	188	-0.001	0.08	0.014	0.56	-0.05	16.5	-0.1	0.54	0.001	1	0.491	10.3	150	-1	13.3
EPA 14	10/8/01	16.6	-0.001	-0.01	0.009	0.2	-0.05	3.99	-0.1	0.2	-0.001	-0.1	0.0432	10.9	-0.2	-1	6.6

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001
EPA Standard		NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA
EPA 15	7/29/89	6,890.20	6.5	6.35	2,567	432	145	119	4.8	288	1,487	18.4	0.09	13.2	-0.001
EPA 15	10/8/89	6,883.50	6	6.58	2,244	380	120	110	7	302	1,319	15	0.1	7.4	-0.001
EPA 15	1/16/90	6,881.50	5.9	6.48	2,524	369	139	116	5.75	302	1,499	18.3	0.19	5.9	-0.001
EPA 15	4/18/90	6,880.30	6.1	6.56	2,532	381	140	117	5.6	322	1,419	17.6	0.21	7.8	-0.001
EPA 15	7/10/90	6,879.10	6.2	6.6	2,586	392	146	113	5.1	311	1,475	18.6	0.07	8.92	-0.001
EPA 15	10/10/90	6,879.80	6.4	6.75	2,548	374	143	118	6	303	1,412	18.5	0.11	9.55	-0.001
EPA 15	1/10/91	6,878.80	6.3	7.05	2,359	397	142	113	7.1	316	1,347	19.1	0.07	10.4	-0.001
EPA 15	4/16/91	6,879.20	6.2	7.08	2,429	382	135	130	6.1	336	1,360	18.8	0.1	16.1	-0.001
EPA 15	7/3/91	6,876.00	6.4	6.86	2,548	384	149	114	5.2	325	1,565	21.9	0.11	15.6	-0.001
EPA 15	10/23/91	6,871.10	6.2	7.03	2,873	401	176	134	6	278	1,789	31.6	0.44	24.8	-0.001
EPA 15	1/23/92	6,873.50	6.1	6.93	2,603	368	175	122	6.3	292	1,588	21.2	0.19	11.1	-0.001
EPA 15	4/2/92	6,873.80	6.1	7.6	2,809	413	209	166	8.4	312	1,753	23.7	0.31	15	-0.001
EPA 15	7/16/92	6,866.90	6.1	6.84	3,214	462	262	156	7.8	246	2,206	32.5	0.37	12.7	-0.001
EPA 15	10/15/92	6,866.20	6	6.61	4,002	525	263	167	10	237	2,451	32.6	0.27	17.3	-0.001
EPA 15	1/13/93	6,869.00	6.2	6.75	2,950	459	181	124	8.2	287	1,748	26.8	0.19	11	-0.001
EPA 15	4/15/93	6,869.40	6.3	6.94	2,816	471	150	132	5	322	1,666	23.6	0.15	13.3	-0.001
EPA 15	7/20/93	6,864.60	6.3	6.93	3,326	542	240	142	8.2	287	2,133	30.8	0.06	27.5	-0.001
EPA 15	10/12/93	6,860.70	6.4	6.34	4,110	578	306	158	9	212	2,766	41.3	1.27	17	-0.001
EPA 15	1/11/94	6,864.20	6.5	7	3,001	499	187	128	5.7	288	1,774	28.5	-0.05	12.8	-0.001
EPA 15	4/19/94	6,863.90	6.4	6.63	2,537	411	137	125	5.8	296	1,537	22.6	0.19	9.5	-0.001
EPA 15	7/26/94	6,862.20	6.2	7.43	4,123	627	284	139	7.1	265	2,390	31	0.46	33.2	-0.001
EPA 15	10/11/94	6,861.60	6.1	6.94	4,502	640	342	163	9.6	214	3,049	39	3.12	31.5	-0.001
EPA 15	1/10/95	6,861.70	6.1	7.09	4,144	665	204	133	8.5	244	2,567	36.5	1	37.2	-0.001
EPA 15	4/11/95	6,861.90	6.4	6.51	4,187	674	302	136	7.6	262	2,542	19.9	1.09	44.4	-0.001
EPA 15	7/11/95	6,860.30	5.6	5.87	4,169	585	359	144	9.9	25	2,833	44.5	0.78	29.5	-0.001
EPA 15	10/10/95	6,859.70	5.5	5.82	4,153	585	370	162	10.6	23	2,961	40	5.86	24.3	0.00156
EPA 15	1/8/96	6,858.50	5.3												

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	5.0	5.0	1.0	15.0
EPA Standard		5.0	0.05	0.017	0.01	0.05	0.05	2.6	1.0	0.2	0.01	0.7	5.0	5.0	NA	NA	15.0
EPA 15	7/29/89	-0.1	-0.001	-0.05	-0.01	-0.01	-0.05	1.3	0.5	-0.05	0.001	-0.1	0.0408	7.4	-0.2	1.3	2.2
EPA 15	10/8/89	-0.1	-0.001	-0.05	-0.01	-0.01	-0.05	1	-0.43	-0.05	-0.001	-0.1	0.066	- 7.6	57	1.1	69
EPA 15	1/16/90	-0.1	-0.001	-0.05	-0.01	0.01	-0.05	1.6	0.37	-0.05	-0.001	-0.1	0.037	4.9	0.2	-1	1.7
EPA 15	4/18/90	-0.1	0.001	-0.05	-0.01	-0.01	0.08	1.5	0.42	-0.05	-0.001	-0.1	0.039	6.4	-0.2	-1	2.9
EPA 15	7/10/90	-0.1	-0.001	-0.05	-0.01	0.04	-0.05	1.39	0.34	-0.05	-0.001	-0.1	0.074	4.4	-0.2	-1	2.8
EPA 15	10/10/90	-0.1	-0.001	-0.05	-0.01	0.03	-0.05	1.45	0.3	-0.05	-0.001	-0.1	0.0618	3.2	-0.2	-1	2
EPA 15	1/10/91	-0.1	-0.001	-0.01	-0.01	0.02	-0.05	1.19	0.33	-0.05	0.001	-0.1	0.0554	3.5	-0.2	-1	2.1
EPA 15	4/16/91	-0.1	-0.001	-0.01	-0.01	0.02	-0.05	1.15	0.43	-0.05	-0.001	-0.1	0.078	- 3.9	-0.2	-1	3
EPA 15	7/3/91	-0.1	-0.001	-0.01	-0.01	0.03	-0.05	1.55	0.42	-0.05	0.001	-0.1	0.128	6.0	-0.2	-1	2
EPA 15	10/23/91	-0.1	-0.001	-0.01	-0.01	0.02	-0.05	2.06	0.34	0.07	-0.001	-0.1	0.1015	8.4	-0.2	-1	-1
EPA 15	1/23/92	-0.1	-0.001	-0.01	-0.01	0.01	-0.05	2.39	-0.56	-0.05	0.001	-0.1	0.065	3.4	-0.2	1.4	2
EPA 15	4/2/92	-0.1	-0.001	-0.01	-0.01	0.01	-0.05	2.24	0.58	-0.05	0.001	-0.1	0.066	6.1	-0.2	-1	2.1
EPA 15	7/16/92	-0.1	0.002	-0.01	-0.01	0.02	-0.05	2.98	0.35	-0.05	-0.001	-0.1	0.034	13.4	-0.2	-1	4.9
EPA 15	10/15/92	-0.1	0.003	-0.01	-0.01	0.02	-0.05	3.68	0.59	0.06	-0.001	-0.1	0.014	8.8	-0.2	-1	5.2
EPA 15	1/13/93	-0.1	-0.001	-0.01	-0.01	0.02	-0.05	2.56	0.72	-0.05	-0.001	-0.1	0.064	6.5	-0.2	-1	2.7
EPA 15	4/15/93	-0.1	0.001	-0.01	-0.01	0.03	-0.05	1.97	0.62	-0.05	-0.001	-0.1	0.099	6.1	-0.2	-1	2
EPA 15	7/20/93	-0.1	0.001	-0.01	-0.01	0.02	-0.05	2.62	1.13	-0.05	0.002	-0.1	0.061	7.9	-0.2	-1	3.6
EPA 15	10/12/93	-0.1	-0.001	-0.01	-0.01	0.02	-0.05	4.18	-0.1	-0.05	0.001	-0.1	0.03	11.9	-0.2	1.4	8
EPA 15	1/11/94	-0.1	-0.001	-0.01	-0.01	-0.01	-0.05	2.21	1.21	-0.05	-0.001	-0.1	0.074	8.5	-0.2	-1	12.1
EPA 15	4/19/94	-0.1	0.002	-0.01	-0.01	0.05	-0.05	1.16	1.2	-0.05	0.001	-0.1	0.121	8.1	-0.2	-1	10.8
EPA 15	7/26/94	-0.1	-0.001	-0.01	-0.01	-0.01	-0.05	2.82	0.93	-0.05	0.009	-0.1	0.05	12.8	-0.2	1.8	17.1
EPA 15	10/11/94	0.3	-0.001	-0.01	-0.01	0.07	-0.05	4.42	0.75	-0.05	-0.001	-0.1	0.029	12.2	-0.2	3.8	14.7
EPA 15	1/10/95	-0.1	-0.001	-0.01	-0.01	0.02	-0.05	3.08	0.81	-0.05	-0.001	-0.1	0.045	9.8	-0.2	-1	11.9
EPA 15	4/11/95	-0.1	-0.001	-0.01	-0.01	-0.01	-0.05	3.08	0.67	-0.05	-0.001	-0.1	0.038	9.9	-0.2	-1	12.7
EPA 15	7/11/95	5.65	-0.001	-0.01	-0.01	0.2	-0.05	7.18	0.65	0.19	-0.001	-0.1	0.012	33.8	-0.2	-1	29.5
EPA 15	10/10/95	5.67	0.001	-0.01	-0.01	0.17	-0.05	7.13	1.05	0.16	0.01	-0.1	0.0087	20.7	-0.2	-1	19.8
EPA 15	1/8/96																

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.001**
EPA Standard		**NA**	**NA**	**NA**	**4,800**	**NA**	**NA**	**NA**	**NA**	**NA**	**2,125**	**250**	**NA**	**190**	**NA**
EPA 17	7/20/89	6,886.60	6.4	6.11	6,709	501	785	167	13.3	159	4,674	35.6	1.22	0.13	-0.001
EPA 17	10/8/89	6,887.00	6.4	6.5	6,714	491	829	160	12	154	4,526	35.3	0.59	0.06	-0.001
EPA 17	1/10/90	6,886.30	6.3	6.48	6,822	491	844	158	13.1	162	4,440	34.3	0.57	0.14	-0.001
EPA 17	4/10/90	6,886.20	6.3	6.3	6,855	495	830	153	12.4	151	4,333	33.9	0.67	0.21	-0.001
EPA 17	7/10/90	6,886.00	6.1	6.5	6,930	493	807	154	13.8	159	4,467	33.6	0.29	0.53	-0.001
EPA 17	10/9/90	6,885.90	6.3	6.77	6,854	465	812	162	13.4	135	4,232	32.2	0.22	0.07	-0.001
EPA 17	1/11/91	6,885.60	6.2	6.3	6,678	511	795	160	14.6	122	4,489	36.9	0.57	0.14	-0.001
EPA 17	4/10/91	6,885.40	6.3	6.9	6,751	545	758	156	12.3	143	4,007	34.8	0.45	0.11	-0.001
EPA 17	7/9/91	6,885.10	6.3	6.46	6,742	563	712	139	10.9	112	4,385	33.5	0.68	-0.01	-0.001
EPA 17	10/17/91	6,885.00	6.2	6.86	6,749	514	676	155	14.1	159	4,151	33.5	0.33	0.08	-0.001
EPA 17	1/21/92	6,884.70	6.3	6.66	6,718	473	769	145	11.5	159	4,556	37.5	0.33	-0.1	-0.001
EPA 17	4/14/92	6,884.50	6.4	7.72	5,908	441	528	157	12.5	255	3,632	34.3	0.5	-0.1	-0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
EPA 17	7/20/89	0.18	0.224	-0.05	-0.01	0.08	-0.05	6.9	1.2	0.24	-0.001	-0.1	0.053	6.8	18.4	1.2	14.4
EPA 17	10/8/89	-0.1	0.253	-0.05	-0.01	0.07	-0.05	6.7	0.83	0.21	-0.001	-0.1	0.076	3.8	-0.2	-1	3
EPA 17	1/10/90	0.16	0.133	-0.05	-0.01	0.12	-0.05	5.9	0.46	0.24	-0.001	-0.1	0.046	5.0	-0.2	-1	2.3
EPA 17	4/10/90	-0.1	0.14	-0.05	0.02	0.13		6.7	0.32	0.17	-0.001	-0.1	0.048	5.9	-0.2	-1	3.4
EPA 17	7/10/90	0.14	0.019	-0.05	-0.01	0.07	-0.05	6.77	0.22	0.25	-0.001	-0.1	0.045	6.2	-0.2	-1	2.9
EPA 17	10/9/90	-0.1	0.054	-0.05	-0.01	0.09	-0.05	6.63	0.2	0.23	-0.001	-0.1	0.0332	9.8	-0.2	-1	2
EPA 17	1/11/91	-0.1	0.022	-0.01	-0.01	0.12	-0.05	7.5	-0.1	0.29	-0.001	-0.1	0.0134	7.3	-0.2	-1	3.8
EPA 17	4/10/91	0.36	0.007	-0.01	-0.01	0.12	-0.05	6.6	0.12	0.29	-0.001	-0.1	0.0147	- 4.2	-0.2	-1	3
EPA 17	7/9/91	0.26	0.002	-0.01	-0.01	0.08	-0.05	6.15	-0.1	0.17	-0.001	-0.1	0.0151	- 7.1	-0.2	-1	2
EPA 17	10/17/91	0.13	0.003	-0.01	-0.01	0.09	-0.05	5.98	-0.1	0.22	-0.001	-0.1	0.0132	- 3.0	-0.2	-1	2
EPA 17	1/21/92	-0.1	0.005	-0.01	-0.01	0.08	-0.05	5.42	0.1	0.17	0.001	-0.1	0.023	- 2.3	-0.2	1.2	1
EPA 17	4/14/92	-0.1	0.022	-0.01	-0.01	0.05	-0.05	5.08	0.37	0.15	0.002	-0.1	0.041	9.5	-0.2	-1	1.2

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001
EPA Standard		NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA
EPA 18	7/25/89	6,884.40	5.7	5.46	5,818	543	608	132	11.6	44	3,974	27.1	0.46	0.08	-0.001
EPA 18	10/4/89	6,884.10	5.3	5.97	5,742	513	604	113	12.6	49	3,746	27.5	0.43	0.01	-0.001
EPA 18	1/16/90	6,883.30	5.2	5.46	5,514	468	549	123	11.1	20	3,654	25.4	0.5	0.06	-0.001
EPA 18	4/17/90	6,882.70	5.2	5.26	5,585	464	520	122	10.5	10	3,582	27	0.49	0.16	-0.001
EPA 18	7/17/90	6,881.90	5.4	5.68	5,902	543	608	124	31.8	32	3,513	26.4	0.27	0.07	-0.001
EPA 18	10/16/90	6,881.30	5.4	5.93	5,925	508	588	139	11	26	3,880	32.2	0.39	0.04	-0.001
EPA 18	1/8/91	6,880.60	5.1	5.25	5,905	518	647	129	18	12	3,917	28.3	0.53	-0.01	-0.001
EPA 18	4/16/91	6,880.30	5	5.5	5,946	551	712	144	10.6	10	3,916	34.1	0.48	-0.01	-0.001
EPA 18	7/3/91	6,879.90	5.3	5.97	6,159	577	698	129	9.4	36	4,215	15.8	0.64	0.01	-0.001
EPA 18	10/22/91	6,879.60	5.4	5.81	6,202	484	722	139	10.6	69	4,235	38.3	0.61	0.02	-0.001
EPA 18	1/22/92	6,879.00	5.6	6	6,396	484	657	135	10.4	37	4,267	29.4	0.61	-0.01	-0.001
EPA 18	4/2/92	6,878.80	5.5	7.16	5,799	508	660	167	13.1	75	4,351	38.3	0.67	-0.01	-0.001
EPA 18	7/15/92	6,877.70	5.5	6.09	6,375	492	686	131	11.5	8	4,196	29.7	0.25	0.1	-0.001
EPA 18	10/14/92	6,877.20	5.3	5.38	6,100	480	624	132	11.3	12	4,126	30.5	0.32	-0.1	-0.001
EPA 18	1/14/93	6,877.90	5.2	5.74	5,947	455	609	137	9.9	17	4,187	30.9	0.69	-0.1	-0.001
EPA 18	4/15/93	6,877.80	5.3	5.79	6,132	414	694	152	9.8	18	3,999	31.2	0.51	0.2	-0.001
EPA 18	7/20/93	6,876.50	5.3	5.75	5,982	489	705	147	10.4	12	4,215	31.9	0.32	-0.1	-0.001
EPA 18	10/12/93	6,873.80	5.8	5.44	5,825	473	690	135	10.5	18	4,264	28.9	0.39	-0.1	-0.001
EPA 18	1/11/94	6,875.60	5.7	6.22	6,038	453	707	134	10.2	20	4,228	29.5	0.46	-0.1	-0.001
EPA 18	4/20/94	6,874.90	5.5	6	5,622	458	683	125	9.8	15	4,196	33	1.09	-0.1	-0.001
EPA 18	7/26/94	6,875.90	5.7	6.69	5,618	525	682	149	11.3	18	4,106	30.7	0.46	-0.1	-0.001
EPA 18	10/11/94	6,874.50	5.8	6.55	6,374	456	764	157	11.4	22	4,604	33.7	0.75	-0.1	-0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
EPA 18	7/25/89	-0.1	0.008	-0.05	-0.01	0.19	-0.05	6.7	0.05	0.23	-0.001	-0.1	0.031	12.6	6.1	-1	8
EPA 18	10/4/89	-0.1	0.006	-0.05	-0.01	0.21	-0.05	7	-0.01	0.27	-0.001	-0.1	0.037	12.5	0.3	2.1	6.2
EPA 18	1/16/90	-0.1	0.004	-0.05	-0.01	0.2	-0.05	7.5	-0.1	0.3	-0.001	-0.1	0.019	12.2	0.7	-1	5.3
EPA 18	4/17/90	-0.1	0.002	-0.05	-0.01	0.2	-0.05	6.3	-0.1	0.27	-0.001	-0.1	0.019	12.5	-0.2	1.2	7.6
EPA 18	7/17/90	0.2	0.012	-0.05	-0.01	0.17	-0.05	6.09	0.12	0.28	-0.001	-0.1	0.0824	7.6	-0.2	-1	4
EPA 18	10/16/90	0.1	0.015	-0.05	-0.01	0.19	-0.05	6.49	-0.1	0.27	-0.001	-0.1	0.0577	18.4	-0.2	1.4	6
EPA 18	1/8/91	0.61	0.001	-0.01	-0.01	0.21	-0.05	6.89	-0.1	0.27	-0.001	-0.1	0.0357	14.0	-0.2	-1	6
EPA 18	4/16/91	-0.1	0.001	-0.01	-0.01	0.17	-0.05	6.13	-0.1	0.22	-0.001	-0.1	0.031	15.1	-0.2	2.5	6
EPA 18	7/3/91	0.66	0.024	-0.01	-0.01	0.14	-0.05	6.62	0.1	0.2	-0.001	-0.1	0.07	12.4	-0.2	-1	4
EPA 18	10/22/91	0.34	0.019	-0.01	-0.01	0.13	-0.05	7.44	-0.1	0.21	-0.001	-0.1	0.0005	- 5.6	-0.2	-1	5
EPA 18	1/22/92	0.27	0.014	-0.01	-0.01	0.1	-0.05	6.15	-0.1	0.17	-0.001	-0.1	0.086	14.7	-0.2	-1	8
EPA 18	4/2/92	-0.1	0.014	-0.01	-0.01	0.13	-0.05	7.16	0.1	0.26	-0.001	-0.1	0.078	15.2	-0.2	-1	4.7
EPA 18	7/15/92	-0.1	0.003	-0.01	-0.01	0.12	-0.05	6.45	-0.1	0.19	-0.001	-0.1	0.064	14.1	-0.2	1	5
EPA 18	10/14/92	0.18	0.002	-0.01	-0.01	0.15	-0.05	5.97	-0.1	0.24	-0.001	-0.1	0.081	15.7	-0.2	1.8	5.8
EPA 18	1/14/93	-0.1	-0.001	-0.01	-0.01	0.16	-0.05	7.66	-0.1	0.32	-0.001	-0.1	0.038	18.1	-0.2	-1	6.8
EPA 18	4/15/93	-0.1	0.001	-0.01	-0.01	0.16	-0.05	6.91	-0.1	0.26	-0.001	-0.1	0.058	13.1	-0.2	-1	4.5
EPA 18	7/20/93	-0.1	-0.001	-0.01	-0.01	0.18	-0.05	6.51	-0.1	0.31	-0.001	-0.1	0.045	19.0	-0.2	-1	7.9
EPA 18	10/12/93	-0.1	-0.001	-0.01	-0.01	0.14	-0.05	6.57	-0.1	0.24	-0.001	-0.1	0.058	14.8	-0.2	1.8	7
EPA 18	1/11/94	-0.1	-0.001	-0.01	-0.01	0.12	-0.05	6.7	-0.1	0.28	-0.001	-0.1	0.041	18.5	-0.2	-1	25.6
EPA 18	4/20/94	-0.1	-0.001	-0.01	-0.01	0.12	-0.05	5.69	-0.1	0.27	-0.001	-0.1	0.023	11.9	-0.2	-1	15.5
EPA 18	7/26/94	-0.1	-0.001	-0.01	-0.01	0.15	-0.05	6.64	-0.1	0.23	-0.001	-0.1	0.012	19.5	-0.2	-1	26.4
EPA 18	10/11/94	-0.1	-0.001	-0.01	-0.01	0.08	-0.05	5.3	-0.1	0.16	-0.001	-0.1	0.008	10.3	-0.2	3.4	12.7

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Water Elevation (ft amsl)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	NH4 as N (mg/L)	NO3 as N (mg/L)	Chloroform (mg/L)
NRC Standard		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001
EPA Standard		NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA
NBL-01	8/15/01	6,820.10	6.61	6.9	3,220	550	162	116	6.83	343	1,730	36.8	0.41	-0.1	-0.001
NBL-01	10/3/01	6,819.89	6.7	7.5	3,160	550	150	100	7	346	1,680	40	0.29	-0.1	-0.001

TABLE C.1
ZONE 3 DATA SUMMARY
1989 - 2001

Well Number	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
NRC Standard		**NA**	**0.05**	**0.05**	**0.01**	**NA**	**0.05**	**NA**	**NA**	**0.05**	**0.01**	**0.1**	**0.3**	**5.0**	**5.0**	**1.0**	**15.0**
EPA Standard		**5.0**	**0.05**	**0.017**	**0.01**	**0.05**	**0.05**	**2.6**	**1.0**	**0.2**	**0.01**	**0.7**	**5.0**	**5.0**	**NA**	**NA**	**15.0**
NBL-01	8/15/01	-0.1	0.57	-0.01	-0.005	0.05	-0.05	1.47	2.62	0.19	-0.001	-0.1	0.294	14.3	-0.2	-1	8.1
NBL-01	10/3/01	-0.1	0.714	-0.01	-0.005	0.05	-0.05	1.59	2.86	0.08	-0.001	-0.1	0.276	12.2	-0.2	-1	6.3

TABLE C.2

WATER LEVEL DATA FOR ZONE 3
IDLED AND DECOMISSIONED WELLS
1994 - 2001

Well Number (a)	Date	Water Elevation (ft AMSL)
0402	5/15/2000	6856.0
0402	7/20/2000	6856.4
0402	10/12/2000	6857.0
0402	1/19/2001	6857.1
0402	4/12/2001	6857.1
0402	8/2/2001	6857.0
0402	10/10/2001	6856.9
0424	5/15/2000	Dry (Obstruction in Casing))
0424	7/20/2000	Dry (Obstruction in Casing))
0424	10/12/2000	Dry (Obstruction in Casing))
0424	3/27/2001	6853.4
0424	4/12/2001	6853.2
0424	8/2/2001	6853.0
0424	10/10/2001	6853.2
0446	5/15/2000	6836.4
0446	7/20/2000	6840.1
0446	10/12/2000	6840.9
0446	1/22/2001	6841.3
0446	4/12/2001	oil
0446	8/2/2001	6841.0
0446	10/10/2001	6841.3
0608	1/7/1994	6882.9
0608	4/11/1994	6883.0
0608	7/19/1994	6882.7
0608	10/3/1994	6882.2
0608	1/3/1995	6882.1
0608	4/7/1995	6882.1
0608	7/12/1995	6882.0
0608	10/3/1995	6881.8
0608	1/2/1996	6881.7
0608	4/1/1996	6881.7
0608	7/30/1996	6881.9
0608	10/10/1996	6881.2
0608	1/28/1997	6881.4
0608	4/16/1997	6881.0
0608	10/10/1997	6880.9
0608	1/21/1998	6880.0
0608	4/6/1998	6881.3
0608	7/16/1998	6979.4
0608	10/13/1998	6879.4
0608	1/12/1999	6879.5
0608	4/7/1999	6879.5
0608	7/21/1999	6878.7
0608	10/13/1999	6879.3
0608	1/12/2000	6881.0
0608	5/15/2000	--
0608	8/21/2000	--
0701	5/15/2000	6880.2
0701	7/20/2000	6879.9
0701	10/12/2000	6879.6
0701	1/19/2001	6879.5
0701	4/12/2001	6879.5
0701	8/2/2001	6879.4
0701	10/10/2001	6879.7
0702	1/7/1994	6896.1
0702	4/11/1994	6896.2
0702	7/19/1994	6895.9
0702	10/3/1994	6895.8
0702	1/3/1995	6895.8
0702	4/7/1995	6895.8
0702	7/12/1995	6895.7
0702	10/3/1995	6895.7

TABLE C.2

WATER LEVEL DATA FOR ZONE 3
IDLED AND DECOMISSIONED WELLS
1994 - 2001

Well Number (a)	Date	Water Elevation (ft AMSL)
0702	1/2/1996	6895.5
0702	4/1/1996	6895.4
0702	7/30/1996	6895.3
0702	10/10/1996	6895.2
0702	1/28/1997	6895.3
0702	4/16/1997	6894.9
0702	7/15/1997	6894.8
0702	10/10/1997	6894.7
0702	1/21/1998	6894.9
0702	4/6/1998	6894.7
0702	7/16/1998	6894.8
0702	10/13/1998	6894.8
0702	1/12/1999	6894.7
0702	4/7/1999	6894.7
0702	7/21/1999	6894.5
0702	10/13/1999	6894.8
0702	1/12/2000	6894.3
0702	5/15/2000	6894.1
0702	7/20/2000	6894.2
0702	10/4/2000	6894.1
0702	1/18/2001	6894.1
0702	4/12/2001	6893.8
0702	8/2/2001	6893.8
0702	10/10/2001	6893.8
0703	1/7/1994	6888.4
0703	4/11/1994	6890.0
0703	7/19/1994	6890.6
0703	10/3/1994	6890.7
0703	1/3/1995	6890.7
0703	4/7/1995	6890.9
0703	7/12/1995	6891.0
0703	10/3/1995	6891.0
0703	1/2/1996	6890.8
0703	4/1/1996	6890.9
0703	7/30/1996	6890.7
0703	10/10/1996	6890.7
0703	1/28/1997	6890.9
0703	4/16/1997	6890.6
0703	7/15/1997	6890.6
0703	10/10/1997	6890.5
0703	1/21/1998	6890.7
0703	4/6/1998	6890.6
0703	7/16/1998	6890.7
0703	10/13/1998	6890.7
0703	1/12/1999	6890.6
0703	4/7/1999	6890.8
0703	7/21/1999	6890.5
0703	10/13/1999	6890.5
0703	1/12/2000	6890.5
0703	5/15/2000	--
0703	8/21/2000	--
0706	5/15/2000	6862.3
0706	7/20/2000	6862.3
0706	10/12/2000	6862.4
0706	1/19/2001	6862.4
0706	4/12/2001	6862.4
0706	8/2/2001	6862.3
0706	10/10/2001	6862.4

TABLE C.2

WATER LEVEL DATA FOR ZONE 3
IDLED AND DECOMISSIONED WELLS
1994 - 2001

Well Number (a)	Date	Water Elevation (ft AMSL)
0707	5/15/2000	6855.6
0707	7/20/2000	6856.1
0707	10/12/2000	6857.1
0707	1/18/2001	6857.6
0707	4/12/2001	6857.8
0707	8/2/2001	6857.6
0707	10/10/2001	6858.0
0710	1/7/1994	6865.8
0710	4/11/1994	6865.7
0710	7/19/1994	6865.4
0710	10/3/1994	6865.3
0710	1/3/1995	6864.3
0710	4/7/1995	6864.0
0710	7/13/1995	6863.4
0710	10/3/1995	6863.1
0710	1/2/1996	6862.3
0710	4/1/1996	6862.1
0710	7/30/1996	6861.5
0710	10/10/1996	6861.1
0710	1/28/1997	6861.1
0710	4/16/1997	6860.5
0710	7/15/1997	6860.0
0710	10/10/1997	6859.8
0710	1/21/1998	6859.8
0710	4/6/1998	6859.6
0710	7/16/1998	6959.4
0710	10/13/1998	6859.3
0710	1/12/1999	6859.0
0710	4/7/1999	6859.1
0710	7/21/1999	6858.5
0710	10/13/1999	6858.3
0710	1/12/2000	6858.9
0710	5/15/2000	6858.8
0710	7/20/2000	6858.7
0710	10/12/2000	6858.9
0710	1/18/2001	6859.1
0710	4/12/2001	6859.2
0710	8/2/2001	6859.0
0710	10/10/2001	6859.2
0712	1/7/1994	6858.1
0712	4/11/1994	6858.7
0712	7/19/1994	6857.6
0712	10/3/1994	6857.5
0712	1/3/1995	6856.9
0712	4/7/1995	6856.6
0712	7/13/1995	6856.0
0712	10/3/1995	6855.8
0712	1/2/1996	6854.9
0712	4/1/1996	6854.9
0712	7/30/1996	6854.5
0712	10/10/1996	6854.2
0712	1/28/1997	6854.4
0712	4/16/1997	6853.9
0712	7/15/1997	6853.7
0712	10/10/1997	6853.7
0712	1/21/1998	6853.4
0712	4/6/1998	6853.1
0712	7/16/1998	6852.9

TABLE C.2

WATER LEVEL DATA FOR ZONE 3
IDLED AND DECOMISSIONED WELLS
1994 - 2001

Well Number (a)	Date	Water Elevation (ft AMSL)
0712	10/13/1998	6852.9
0712	1/12/1999	6852.9
0712	4/7/1999	6852.9
0712	7/21/1999	6852.5
0712	10/13/1999	6852.6
0712	1/12/2000	6852.7
0712	5/15/2000	6852.5
0712	7/20/2000	6852.4
0712	10/12/2000	6852.8
0712	1/18/2001	6853.0
0712	4/12/2001	6853.2
0712	8/2/2001	6853.0
0712	10/10/2001	6853.2
0714	1/7/1994	6871.7
0714	4/11/1994	6880.5
0714	7/19/1994	6879.1
0714	10/3/1994	6878.3
0714	1/3/1995	6879.0
0714	4/7/1995	6877.7
0714	7/13/1995	6876.7
0714	10/3/1995	6876.1
0714	1/2/1996	6875.2
0714	4/1/1996	6874.7
0714	7/30/1996	6874.6
0714	10/10/1996	6873.2
0714	1/28/1997	6872.9
0714	4/16/1997	6872.4
0714	7/15/1997	6871.9
0714	10/10/1997	6871.4
0714	1/21/1998	6871.9
0714	4/6/1998	6871.6
0714	7/16/1998	6871.4
0714	10/13/1998	6871.2
0714	1/12/1999	6870.7
0714	4/7/1999	6870.9
0714	7/21/1999	6870.0
0714	10/13/1999	6870.0
0714	1/12/2000	6863.5
0714	5/15/2000	6869.2
0714	7/20/2000	6869.1
0714	10/12/2000	6868.9
0714	1/19/2001	6868.7
0714	4/12/2001	6868.4
0714	8/2/2001	6868.2
0714	10/10/2001	6868.1
0715	1/7/1994	6882.2
0715	4/11/1994	6873.5
0715	7/19/1994	6870.3
0715	10/3/1994	6870.0
0715	1/3/1995	6870.6
0715	4/7/1995	6870.3
0715	7/13/1995	6867.8
0715	10/3/1995	6867.0
0715	1/2/1996	6874.6
0715	4/1/1996	6865.5
0715	7/30/1996	6865.3
0715	10/10/1996	6863.9
0715	1/28/1997	6864.3

TABLE C.2

WATER LEVEL DATA FOR ZONE 3
IDLED AND DECOMISSIONED WELLS
1994 - 2001

Well Number (a)	Date	Water Elevation (ft AMSL)
0715	4/16/1997	6863.2
0715	7/15/1997	6861.8
0715	10/10/1997	6862.9
0715	1/21/1998	6862.1
0715	4/6/1998	6861.0
0715	7/16/1998	6860.6
0715	10/13/1998	6860.8
0715	1/12/1999	6859.7
0715	4/7/1999	6860.2
0715	7/21/1999	6858.0
0715	10/13/1999	6857.9
0715	1/12/2000	6859.0
0715	5/15/2000	--
0715	8/21/2000	--
0717	5/15/2000	6850.1
0717	7/20/2000	6853.7
0719	5/15/2000	6843.2
0719	7/20/2000	6844.0
0719	10/12/2000	6844.8
0719	1/18/2001	6845.3
0719	4/9/2001	6845.3
0719	7/11/2001	6845.3
0719	10/8/2001	6846.7

Notes:

AMSL - Above Mean Sea Level

a. Wells 608, 702, 703, 710, and 712 decommissioned at the end of the 1993 operating year and converted to water level monitoring wells.
Wells 714 and 715 idled at the end of the 1993 operating year and temporarily converted to water level monitoring wells.
Wells 402, 424, 446, 613, 701, 706, 707, 717 and 719 were added to the monitoring program for water level only in 2nd quarter 2000.

LABORATORY ANALYTICAL DATA
2001

UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	**420**
LABORATORY ID:	**01-34624-2**
SAMPLE DATE/TIME:	**07/16/2001 09:50**
DATE RECEIVED:	**07/20/2001 10:30**
REPORT DATE:	**August 14, 2001**
QUARTER REPRESENTED:	**Third 2001**
UNC SUBMITTAL #:	**TE-11-7-2001**

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	592
Magnesium	EPA 200.7	mg/L	0.01	126
Sodium	EPA 200.7	mg/L	0.05	162
Potassium	EPA 200.7	mg/L	0.10	11.4
Bicarbonate	SM 2320-B	mg/L	0.10	474
Sulfate	EPA 200.7	mg/L	1.0	1580
Chloride	EPA 200.7	mg/L	1.0	54.1
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	0.18
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	13.6
Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	3330
pH	SM 4500-H-B	std. units	0.10	7.55
Trace Metals, dissolved				
Aluminum	EPA 200.8	mg/L	0.10	< 0.10
Arsenic III	SM 3114-C	mg/L	0.001	0.060
Beryllium	EPA 200.8	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	< 0.01
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	2.07
Molybdenum	EPA 200.8	mg/L	0.10	0.40
Nickel	EPA 200.8	mg/L	0.05	< 0.05
Selenium IV	SM 3114-C	mg/L	0.001	0.002
Vanadium	EPA 200.8	mg/L	0.10	< 0.10
Radiometrics, dissolved				
Uranium	EPA 200.8	mg/L	0.0003	0.0540
Radium 226	EPA 903.0	pCi/L	0.2	3.6
Radium Error Estimate ±				0.3
Radium 228	EPA 904.0	pCi/L	1.0	3.7
Radium Error Estimate ±				1.4
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				-
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				-
Gross Alpha	EPA 900.1	pCi/L	1.0	4.6
G. Alpha Error Estimate ±				1.0
Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		43.2
Cation	meq		47.6
SM A/C Balance	%	-5 - +5	4.83
Calc TDS	mg/L		2825
TDS A/C Balance	dec. %	0.80 - 1.20	1.18

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	**420**
LABORATORY ID:	**C01100434-003**
SAMPLE DATE/TIME:	**10/08/2001 09:45**
DATE RECEIVED:	**10/12/2001 10:00**
REPORT DATE:	**November 07, 2001**
QUARTER REPRESENTED:	**Fourth 2001**
UNC SUBMITTAL #:	**TE-16-10-2001**

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	1.0	600
Magnesium	EPA 200.7	mg/L	1.0	130
Sodium	EPA 200.7	mg/L	1.0	115
Potassium	EPA 200.7	mg/L	1.0	6.30
Bicarbonate	SM 2320-B	mg/L	0.10	516
Sulfate	EPA 200.7	mg/L	1.0	1680
Chloride	EPA 200.7	mg/L	1.0	53.1
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	0.09
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	14.0

Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	3360
pH	SM 4500-H-B	std. units	0.10	7.20

Trace Metals, dissolved				
Aluminum	EPA 200.8	mg/L	0.10	< 0.10
Arsenic III	SM 3114-C	mg/L	0.001	0.008
Beryllium	EPA 200.8	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	< 0.01
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	1.69
Molybdenum	EPA 200.7	mg/L	0.10	0.11
Nickel	EPA 200.8	mg/L	0.05	< 0.05
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10

Radiometrics, dissolved				
Uranium	EPA 200.8	mg/L	0.0003	0.0546
Radium 226	EPA 903.0	pCi/L	0.2	2.5
Radium Error Estimate ±				0.3
Radium 228	EPA 904.0	pCi/L	1.0	2.1
Radium Error Estimate ±				1.1
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				-
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				-
Gross Alpha	EPA 900.1	pCi/L	1.0	3.4
G. Alpha Error Estimate ±				1.2

Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		46.0
Cation	meq		46.1
SM A/C Balance	%	-5 - +5	0.15
Calc TDS	mg/L		2906
TDS A/C Balance	dec. %	0.80 - 1.20	1.16

UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	420	420	420	420
LABORATORY ID:	00-34356-2	00-36668-2	01-30433-4	01-31998-2
SAMPLE DATE/TIME:	07/10/2000 11:20	10/02/2000 10:45	01/15/2001 14:10	04/02/2001 10:05
DATE RECEIVED:	07/14/2000 10:20	10/06/2000 10:00	01/19/2001 10:15	04/06/2001 10:30
REPORT DATE:	August 21, 2000	November 9, 2000	February 14, 2001	April 25, 2001
QUARTER REPRESENTED:	Third 2000	Fourth 2000	First 2001	Second 2001
UNC SUBMITTAL #:	TE-6-7-2000	TE-8-10-00	TE-2-1-2001	TE-6-4-2001

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	664	661	617	695
Magnesium	EPA 200.7	mg/L	0.01	151	147	123	139
Sodium	EPA 200.7	mg/L	0.05	141	138	119	126
Potassium	EPA 200.7	mg/L	0.10	5.86	6.97	6.90	5.70
Bicarbonate	SM 2320-B	mg/L	0.10	456	467	474	467
Sulfate	EPA 200.7	mg/L	1.0	1740	1750	1920	1800
Chloride	EPA 200.7	mg/L	1.0	35.0	38.6	42.0	39.7
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	< 0.05	0.07	< 0.05	0.10
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	33.2	18.7	12.7	12.5
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	3500	3350	3200	3290
pH	SM 4500-H-B	std. units	0.10	7.47	7.24	7.23	7.39
Trace Metals							
Aluminum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic III	SM 3114-C	mg/L	0.001	< 0.001	0.007	0.023	0.006
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	0.15	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	2.03	2.25	2.08	2.28
Molybdenum	EPA 200.8	mg/L	0.10	0.21	0.15	0.24	0.20
Nickel	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001	< 0.001	0.001	0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.0436	0.0392	0.0430	0.0500
Radium 226	EPA 903.0	pCi/L	0.2	2.8	2.9	2.7	2.5
Radium Error Estimate ±				0.3	0.3	0.4	0.3
Radium 228	EPA 904.0	pCi/L	1.0	4.2	2.2	4.0	< 1.0
Radium Error Estimate ±				0.2	0.2	1.0	
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±							
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±							
Gross Alpha	EPA 900.1	pCi/L	1.0	2.8	3.6	3.2	3.0
G. Alpha Error Estimate ±				1.5	1.0	1.3	1.3
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0

Quality Assurance Data		Target Range				
Anion	meq		47.1	46.5	49.9	47.2
Cation	meq		52.2	51.6	46.6	52.1
SM A/C Balance	%	-5 - +5	5.14	5.17	-3.41	4.96
Calc TDS	mg/L		3114	3060	3123	3097
TDS A/C Balance	dec. %	0.80 - 1.20	1.12	1.09	1.02	1.06

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	504-B
LABORATORY ID:	01-34624-1
SAMPLE DATE/TIME:	07/16/2001 08:20
DATE RECEIVED:	07/20/2001 10:30
REPORT DATE:	August 14, 2001
QUARTER REPRESENTED:	Third 2001
UNC SUBMITTAL #:	TE-11-7-2001

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	458
Magnesium	EPA 200.7	mg/L	0.01	590
Sodium	EPA 200.7	mg/L	0.05	134
Potassium	EPA 200.7	mg/L	0.10	24.3
Bicarbonate	SM 2320-B	mg/L	0.10	< 0.10
Sulfate	EPA 200.7	mg/L	1.0	3570
Chloride	EPA 200.7	mg/L	1.0	44.0
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	0.84
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10

Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	5810
pH	SM 4500-H-B	std. units	0.10	3.70

Trace Metals, dissolved				
Aluminum	EPA 200.8	mg/L	0.10	0.30
Arsenic III	SM 3114-C	mg/L	0.001	0.036
Beryllium	EPA 200.8	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	0.28
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	6.20
Molybdenum	EPA 200.8	mg/L	0.10	10.5
Nickel	EPA 200.8	mg/L	0.05	0.43
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10

Radiometrics, dissolved				
Uranium	EPA 200.8	mg/L	0.0003	0.0280
Radium 226	EPA 903.0	pCi/L	0.2	18.6
Radium Error Estimate ±				1.2
Radium 228	EPA 904.0	pCi/L	1.0	25.2
Radium Error Estimate ±				2.2
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				-
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				-
Gross Alpha	EPA 900.1	pCi/L	1.0	16.9
G. Alpha Error Estimate ±				1.4

Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		75.6
Cation	meq		78.9
SM A/C Balance	%	-5 - +5	2.13
Calc TDS	mg/L		4828
TDS A/C Balance	dec. %	0.80 - 1.20	1.20

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	**504-B**
LABORATORY ID:	**C01100434-001**
SAMPLE DATE/TIME:	**10/08/2001 08:35**
DATE RECEIVED:	**10/12/2001 10:00**
REPORT DATE:	**November 07, 2001**
QUARTER REPRESENTED:	**Fourth 2001**
UNC SUBMITTAL #:	**TE-16-10-2001**

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	1.0	450
Magnesium	EPA 200.7	mg/L	1.0	590
Sodium	EPA 200.7	mg/L	1.0	132
Potassium	EPA 200.7	mg/L	1.0	12.3
Bicarbonate	SM 2320-B	mg/L	0.10	26.8
Sulfate	EPA 200.7	mg/L	1.0	3300
Chloride	EPA 200.7	mg/L	1.0	35.9
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	0.77
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10

Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	5920
pH	SM 4500-H-B	std. units	0.10	5.80

Trace Metals, dissolved				
Aluminum	EPA 200.7	mg/L	0.10	0.16
Arsenic III	SM 3114-C	mg/L	0.001	0.026
Beryllium	EPA 200.8	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	0.22
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	5.30
Molybdenum	EPA 200.7	mg/L	0.10	7.49
Nickel	EPA 200.7	mg/L	0.05	0.29
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10

Radiometrics, dissolved				
Uranium	EPA 200.8	mg/L	0.0003	0.0257
Radium 226	EPA 903.0	pCi/L	0.2	16.0
Radium Error Estimate ±				1.2
Radium 228	EPA 904.0	pCi/L	1.0	20.0
Radium Error Estimate ±				1.7
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				-
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				-
Gross Alpha	EPA 900.1	pCi/L	1.0	23.0
G. Alpha Error Estimate ±				1.4

Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		70.2
Cation	meq		78.1
SM A/C Balance	%	-5 - +5	5.30
Calc TDS	mg/L		4540
TDS A/C Balance	dec. %	0.80 - 1.20	1.30

UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	504-B	504-B	504-B	504-B
LABORATORY ID:	00-34356-1	00-36668-1	01-30433-3	01-31998-1
SAMPLE DATE/TIME:	07/10/2000 10:25	10/02/2000 10:05	01/15/2001 13:40	04/02/2001 09:20
DATE RECEIVED:	07/14/2000 10:20	10/06/2000 10:00	01/19/2001 10:15	04/06/2001 10:30
REPORT DATE:	August 21, 2000	November 9, 2000	February 14, 2001	April 25, 2001
QUARTER REPRESENTED:	Third 2000	Fourth 2000	First 2001	Second 2001
UNC SUBMITTAL #:	TE-6-7-2000	TE-8-10-00	TE-2-1-2001	TE-6-4-2001

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	506	510	480	479
Magnesium	EPA 200.7	mg/L	0.01	570	620	564	595
Sodium	EPA 200.7	mg/L	0.05	150	147	135	153
Potassium	EPA 200.7	mg/L	0.10	12.3	13.8	12.5	12.1
Bicarbonate	SM 2320-B	mg/L	0.10	48.0	44.0	43.0	13.0
Sulfate	EPA 200.7	mg/L	1.0	3440	3740	4100	3480
Chloride	EPA 200.7	mg/L	1.0	28.4	33.0	34.6	29.3
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	0.68	0.53	0.71	0.88
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	5510	5650	5590	5590
pH	SM 4500-H-B	std. units	0.10	6.20	6.28	5.92	6.02
Trace Metals							
Aluminum	EPA 200.8	mg/L	0.10	0.21	0.20	0.20	0.30
Arsenic III	SM 3114-C	mg/L	0.001	0.025	0.033	0.028	0.026
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	0.008	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	0.30	0.35	0.29	0.31
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	6.18	6.23	5.99	6.20
Molybdenum	EPA 200.8	mg/L	0.10	13.4	14.3	12.3	12.9
Nickel	EPA 200.8	mg/L	0.05	0.41	0.36	0.44	0.48
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.0498	0.0226	0.0310	0.0270
Radium 226	EPA 903.0	pCi/L	0.2	13.4	15.0	15.7	15.5
Radium Error Estimate ±				1.1	1.1	1.7	1.2
Radium 228	EPA 904.0	pCi/L	1.0	20.8	15.8	17.9	20.8
Radium Error Estimate ±				1.5	1.4	1.2	1.8
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±							
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±							
Gross Alpha	EPA 900.1	pCi/L	1.0	21.0	25.0	18.7	15.5
G. Alpha Error Estimate ±				1.8	2.0	1.4	1.3
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Quality Assurance Data			**Target Range**				
Anion		meq		73.3	79.6	87.1	73.5
Cation		meq		80.0	84.3	77.6	80.9
SM A/C Balance		%	-5 - +5	4.41	2.88	-5.79	4.76
Calc TDS		mg/L		4738	5093	5355	4763
TDS A/C Balance		dec. %	0.80 - 1.20	1.16	1.11	1.04	1.17

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	**517**
LABORATORY ID:	**01-34437-1**
SAMPLE DATE/TIME:	**07/10/2001 14:20**
DATE RECEIVED:	**07/13/2001 10:30**
REPORT DATE:	**August 7, 2001**
QUARTER REPRESENTED:	**Third 2001**
UNC SUBMITTAL #:	**TE-10-7-2001**

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	462
Magnesium	EPA 200.7	mg/L	0.01	430
Sodium	EPA 200.7	mg/L	0.05	145
Potassium	EPA 200.7	mg/L	0.10	8.50
Bicarbonate	SM 2320-B	mg/L	0.10	3.00
Sulfate	EPA 200.7	mg/L	1.0	2900
Chloride	EPA 200.7	mg/L	1.0	45.0
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	9.95
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	2.61

Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	4670
pH	SM 4500-H-B	std. units	0.10	4.65

Trace Metals				
Aluminum	EPA 200.8	mg/L	0.10	8.90
Arsenic III	SM 3114-C	mg/L	0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	0.005
Cobalt	EPA 200.8	mg/L	0.01	0.52
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	5.84
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	0.46
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10

Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	0.064
Radium 226	EPA 903.0	pCi/L	0.2	15.7
Radium Error Estimate ±				1.5
Radium 228	EPA 904.0	pCi/L	1.0	11.4
Radium Error Estimate ±				1.3
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				-
Lead 210	NERHL-65-4	pCi/L	1.0	7.6
Lead Error Estimate ±				2.6
Gross Alpha	EPA 900.1	pCi/L	1.0	9.1
G. Alpha Error Estimate ±				1.1

Trace Organics				
Chloroform	EPA 601	µg/L	1.0	7.0

Quality Assurance Data		Target Range	
Anion	meq		61.9
Cation	meq		67.5
SM A/C Balance	%	-5 - +5	4.30
Calc TDS	mg/L		4032
TDS A/C Balance	dec. %	0.80 - 1.20	1.16

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	517
LABORATORY ID:	C01100434-006
SAMPLE DATE/TIME:	10/08/2001 11:25
DATE RECEIVED:	10/12/2001 10:00
REPORT DATE:	November 07, 2001
QUARTER REPRESENTED:	Fourth 2001
UNC SUBMITTAL #:	TE-16-10-2001

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	1.0	430
Magnesium	EPA 200.7	mg/L	1.0	390
Sodium	EPA 200.7	mg/L	1.0	132
Potassium	EPA 200.7	mg/L	1.0	8.30
Bicarbonate	SM 2320-B	mg/L	0.10	3.10
Sulfate	EPA 200.7	mg/L	1.0	2600
Chloride	EPA 200.7	mg/L	1.0	55.1
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	10.0
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	2.90

Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	4690
pH	SM 4500-H-B	std. units	0.10	4.60

Trace Metals				
Aluminum	EPA 200.7	mg/L	0.10	7.90
Arsenic III	SM 3114-C	mg/L	0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	0.007
Cobalt	EPA 200.7	mg/L	0.01	0.47
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	5.26
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	0.37
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10

Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	0.0614
Radium 226	EPA 903.0	pCi/L	0.2	8.4
Radium Error Estimate ±				0.8
Radium 228	EPA 904.0	pCi/L	1.0	14.0
Radium Error Estimate ±				1.5
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				-
Lead 210 (recheck)	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				-
Gross Alpha	EPA 900.1	pCi/L	1.0	12.1
G. Alpha Error Estimate ±				1.0

Trace Organics				
Chloroform	EPA 601	µg/L	1.0	3.7

Quality Assurance Data		Target Range	
Anion	meq		56.0
Cation	meq		61.8
SM A/C Balance	%	-5 - +5	4.98
Calc TDS	mg/L		3656
TDS A/C Balance	dec. %	0.80 - 1.20	1.28

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	517	517	517	517
LABORATORY ID:	00-34508-1	00-36668-3	01-30433-1	01-32152-2
SAMPLE DATE/TIME:	07/18/2000 10:00	10/02/2000 11:30	01/15/2001 10:25	04/09/2001 10:30
DATE RECEIVED:	07/20/2000 10:00	10/06/2000 10:00	01/19/2001 10:15	04/13/2001 10:00
REPORT DATE:	August 21, 2000	November 9, 2000	February 14, 2001	May 1, 2001
QUARTER REPRESENTED:	Third 2000	Fourth 2000	First 2001	Second 2001
UNC SUBMITTAL #:	TE-7-7-2000	TE-8-10-00	TE-2-1-2001	TE-7-4-2001

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	461	467	447	527
Magnesium	EPA 200.7	mg/L	0.01	435	451	396	481
Sodium	EPA 200.7	mg/L	0.05	149	154	145	143
Potassium	EPA 200.7	mg/L	0.10	8.56	9.69	9.00	8.60
Bicarbonate	SM 2320-B	mg/L	0.10	7.00	6.00	3.00	7.00
Sulfate	EPA 200.7	mg/L	1.0	2850	2990	3220	3870
Chloride	EPA 200.7	mg/L	1.0	50.6	48.6	53.2	60.5
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	12.5	11.5	12.0	40.4
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	3.95	3.05	3.62	4.15
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	4800	4720	4640	5180
pH	SM 4500-H-B	std. units	0.10	4.70	4.78	4.60	4.75
Trace Metals							
Aluminum	EPA 200.8	mg/L	0.10	10.2	9.80	9.00	60.2
Arsenic III	SM 3114-C	mg/L	0.001	< 0.001	0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	0.02
Cadmium	EPA 200.8	mg/L	0.005	0.008	0.006	0.005	0.008
Cobalt	EPA 200.8	mg/L	0.01	0.55	0.51	0.54	0.75
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	7.14	6.73	6.43	10.7
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	0.37	0.40	0.47	0.65
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	0.40
Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.0661	0.0606	0.0605	0.218
Radium 226	EPA 903.0	pCi/L	0.2	9.6	9.8	12.2	7.8
Radium Error Estimate ±				0.6	0.9	1.6	0.8
Radium 228	EPA 904.0	pCi/L	1.0	13.1	9.4	8.9	10.6
Radium Error Estimate ±				1.0	0.7	1.1	1.2
Thorium 230	EPA 907.0	pCi/L	0.2	1.7	< 0.2	< 0.2	46.5
Thorium Error Estimate ±				0.7			4.3
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±							
Gross Alpha	EPA 900.1	pCi/L	1.0	26.7	26.4	14.5	24.2
G. Alpha Error Estimate ±				3.7	2.0	1.3	1.5
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	5.1	3.7	3.6	3.7
Quality Assurance Data			**Target Range**				
Anion		meq		61.2	64.0	68.9	82.7
Cation		meq		67.3	69.1	63.1	76.3
SM A/C Balance		%	-5 - +5	4.74	3.83	-4.39	-4.02
Calc TDS		mg/L		3998	4158	4310	5175
TDS A/C Balance		dec. %	0.80 - 1.20	1.20	1.14	1.08	1.00

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	613
LABORATORY ID:	00-36665-5
SAMPLE DATE/TIME:	10-02-00 15:00
DATE RECEIVED:	10-06-00
REPORT DATE:	November 9, 2000
QUARTER REPRESENTED:	Fourth 2000
UNC SUBMITTAL #:	TE-8-10-00

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	451
Magnesium	EPA 200.7	mg/L	0.01	709
Sodium	EPA 200.7	mg/L	0.05	350
Potassium	EPA 200.7	mg/L	0.10	1.5
Bicarbonate	SM 2320-B	mg/L	0.10	< 0.10
Sulfate	EPA 200.7	mg/L	1.0	8870
Chloride	EPA 200.7	mg/L	1.0	175
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	400
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	18.0
Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	13800
pH	SM 4500-H-B	std. units	0.10	3.08
Trace Metals				
Aluminum	EPA 200.8	mg/L	0.10	694
Arsenic III	SM 3114-C	mg/L	0.001	0.001
Beryllium	EPA 200.7	mg/L	0.01	0.21
Cadmium	EPA 200.8	mg/L	0.005	0.030
Cobalt	EPA 200.7	mg/L	0.01	1.56
Lead	EPA 200.7	mg/L	0.05	0.28
Manganese	EPA 200.7	mg/L	0.01	60.1
Molybdenum	EPA 200.7	mg/L	0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	1.52
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	5.08
Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	1.82
Radium 226	EPA 903.0	pCi/L	0.2	13.5
Radium Error Estimate ±				1.1
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0
Radium Error Estimate ±				
Thorium 230	EPA 907.0	pCi/L	0.2	249
Thorium Error Estimate ±				12.0
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				
Gross Alpha	EPA 900.0	pCi/L	1.0	67.9
G. Alpha Error Estimate ±				6.0
Trace Organics				
Chloroform	EPA 601	µg/L	1.0	49.0

Quality Assurance Data		Target Range	
Anion	meq		191.01
Cation	meq		205.86
SM A/C Balance	%	-5 - +5	3.74
Calc TDS	mg/L		11212
TDS A/C Balance	dec. %	0.80 - 1.20	1.23

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	613
LABORATORY ID:	01-30431-1
SAMPLE DATE/TIME:	01/15/2001 08:45
DATE RECEIVED:	01/19/2001 10:15
REPORT DATE:	February 14, 2001
QUARTER REPRESENTED:	First 2001
UNC SUBMITTAL #:	TE-2-1-2001

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	425
Magnesium	EPA 200.7	mg/L	0.01	622
Sodium	EPA 200.7	mg/L	0.05	334
Potassium	EPA 200.7	mg/L	0.10	1.0
Bicarbonate	SM 2320-B	mg/L	0.10	< 0.10
Sulfate	EPA 200.7	mg/L	1.0	10400
Chloride	EPA 200.7	mg/L	1.0	183
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	423
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	17.2
Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	13800
pH	SM 4500-H-B	std. units	0.10	3.08
Trace Metals				
Aluminum	EPA 200.7	mg/L	0.10	810
Arsenic III	SM 3114-C	mg/L	0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	0.23
Cadmium	EPA 200.8	mg/L	0.005	0.028
Cobalt	EPA 200.8	mg/L	0.01	1.77
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	61.0
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	1.60
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	5.40
Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	2.08
Radium 226	EPA 903.0	pCi/L	0.2	14.6
Radium Error Estimate ±				1.3
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0
Radium Error Estimate ±				
Thorium 230	EPA 907.0	pCi/L	0.2	794
Thorium Error Estimate ±				31.1
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				
Gross Alpha	EPA 900.0	pCi/L	1.0	44.1
G. Alpha Error Estimate ±				4.1
Trace Organics				
Chloroform	EPA 601	µg/L	1.0	46.4

Quality Assurance Data		Target Range	
Anion	meq		223
Cation	meq		211
SM A/C Balance	%	-5 - +5	-2.73
Calc TDS	mg/L		12648
TDS A/C Balance	dec. %	0.80 - 1.20	1.09

UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE I MONITOR WELLS

WELL ID:	613
LABORATORY ID:	01-32149-3
SAMPLE DATE/TIME:	04/09/2001 11:05
DATE RECEIVED:	04/13/2001 10:00
REPORT DATE:	May 16, 2001
QUARTER REPRESENTED:	Second 2001
UNC SUBMITTAL #:	TE-7-4-2001

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	411
Magnesium	EPA 200.7	mg/L	0.01	623
Sodium	EPA 200.7	mg/L	0.05	313
Potassium	EPA 200.7	mg/L	0.10	0.60
Bicarbonate	SM 2320-B	mg/L	0.10	< 0.10
Sulfate	EPA 200.7	mg/L	1.0	8510
Chloride	EPA 200.7	mg/L	1.0	174
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	425
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	18.0
Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	13100
pH	SM 4500-H-B	std. units	0.10	3.16
Trace Metals				
Aluminum	EPA 200.7	mg/L	0.10	738
Arsenic III	SM 3114-C	mg/L	0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	0.20
Cadmium	EPA 200.8	mg/L	0.005	0.027
Cobalt	EPA 200.8	mg/L	0.01	1.90
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	54.8
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	1.70
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	5.00
Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	1.85
Radium 226	EPA 903.0	pCi/L	0.2	11.5
Radium Error Estimate ±				1.0
Radium 228	EPA 904.0	pCi/L	1.0	1.5
Radium Error Estimate ±				1.0
Thorium 230	EPA 907.0	pCi/L	0.2	592
Thorium Error Estimate ±				16.8
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				
Gross Alpha	EPA 900.0	pCi/L	1.0	40.0
G. Alpha Error Estimate ±				3.5
Trace Organics				
Chloroform	EPA 601	µg/L	1.0	41.0

Quality Assurance Data		Target Range	
Anion	meq		183
Cation	meq		#REF!
SM A/C Balance	%	-5 - +5	#REF!
Calc TDS	mg/L		10714
TDS A/C Balance	dec. %	0.80 - 1.20	1.22

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	**613**
LABORATORY ID:	**01-34434-2**
SAMPLE DATE/TIME:	**07/10/2001 13:30**
DATE RECEIVED:	**07/13/2001 10:30**
REPORT DATE:	**August 2, 2001**
QUARTER REPRESENTED:	**Third 2001**
UNC SUBMITTAL #:	**TE-10-7-2001**

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	459
Magnesium	EPA 200.7	mg/L	0.01	726
Sodium	EPA 200.7	mg/L	0.05	322
Potassium	EPA 200.7	mg/L	0.10	< 0.10
Bicarbonate	SM 2320-B	mg/L	0.10	< 0.10
Sulfate	EPA 200.7	mg/L	1.0	9400
Chloride	EPA 200.7	mg/L	1.0	147
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	370
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	16.5

Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	13900
pH	SM 4500-H-B	std. units	0.10	3.12

Trace Metals, dissolved				
Aluminum	EPA 200.7	mg/L	0.10	753
Arsenic III	SM 3114-C	mg/L	0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	0.23
Cadmium	EPA 200.8	mg/L	0.005	0.028
Cobalt	EPA 200.8	mg/L	0.01	1.63
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	54.3
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	1.49
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	4.80

Radiometrics, dissolved				
Uranium	EPA 200.8	mg/L	0.0003	1.99
Radium 226	EPA 903.0	pCi/L	0.2	10.5
Radium Error Estimate ±				1.3
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0
Radium Error Estimate ±				-
Thorium 230	EPA 907.0	pCi/L	0.2	556
Thorium Error Estimate ±				12.2
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				-
Gross Alpha	EPA 900.0	pCi/L	1.0	30.3
G. Alpha Error Estimate ±				3.1

Trace Organics				
Chloroform	EPA 624	µg/L	1.0	96.0

Quality Assurance Data		Target Range	
Anion	meq		201
Cation	meq		#REF!
SM A/C Balance	%	-5 - +5	#REF!
Calc TDS	mg/L		11659
TDS A/C Balance	dec. %	0.80 - 1.20	1.19

UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	**613**
LABORATORY ID:	**C01100230-001**
SAMPLE DATE/TIME:	**10/02/2001 13:00**
DATE RECEIVED:	**10/05/2001 10:00**
REPORT DATE:	**October 22, 2001**
QUARTER REPRESENTED:	**Fourth 2001**
UNC SUBMITTAL #:	**TE-15-10-2001**

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	1.0	430
Magnesium	EPA 200.7	mg/L	1.0	640
Sodium	EPA 200.7	mg/L	1.0	300
Potassium	EPA 200.7	mg/L	1.0	< 1.0
Bicarbonate	SM 2320-B	mg/L	0.10	< 0.10
Sulfate	EPA 200.7	mg/L	1.0	8400
Chloride	EPA 200.7	mg/L	1.0	160
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	392
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	17.3

Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	13600
pH	SM 4500-H-B	std. units	0.10	3.00

Trace Metals, dissolved				
Aluminum	EPA 200.8	mg/L	0.10	673
Arsenic III	SM 3114-C	mg/L	0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	0.18
Cadmium	EPA 200.8	mg/L	0.005	0.038
Cobalt	EPA 200.8	mg/L	0.01	1.74
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	59.2
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	1.54
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	3.62

Radiometrics, dissolved				
Uranium	EPA 200.8	mg/L	0.0003	1.89
Radium 226	EPA 903.0	pCi/L	0.2	13.0
Radium Error Estimate ±				1.1
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0
Radium Error Estimate ±				-
Thorium 230	EPA 907.0	pCi/L	0.2	672
Thorium Error Estimate ±				18.4
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				-
Gross Alpha	EPA 900.0	pCi/L	1.0	38.0
G. Alpha Error Estimate ±				3.3

Trace Organics				
Chloroform	EPA 624	µg/L	1.0	87.5

Quality Assurance Data		Target Range	
Anion	meq		181
Cation	meq		194
SM A/C Balance	%	-5 - +5	3.52
Calc TDS	mg/L		10573
TDS A/C Balance	dec. %	0.80 - 1.20	1.29

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	708	708
LABORATORY ID:	01-30578-1	01-31998-4
SAMPLE DATE/TIME:	01/24/2001 09:45	04/02/2001 13:30
DATE RECEIVED:	01/29/2001 10:00	04/06/2001 10:30
REPORT DATE:	February 20, 2001	April 25, 2001
QUARTER REPRESENTED:	First 2001	Second 2001
UNC SUBMITTAL #:	TE-2-1-2001	TE-6-4-2001

Major Ions	Method	Units	Reporting Limit	Results	Results
Calcium	EPA 200.7	mg/L	0.05	491	515
Magnesium	EPA 200.7	mg/L	0.01	556	578
Sodium	EPA 200.7	mg/L	0.05	104	101
Potassium	EPA 200.7	mg/L	0.10	11.2	10.7
Bicarbonate	SM 2320-B	mg/L	0.10	< 0.10	< 0.10
Sulfate	EPA 200.7	mg/L	1.0	3940	3750
Chloride	EPA 200.7	mg/L	1.0	32.4	31.3
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	2.58	1.81
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10	< 0.10
Non-Metals					
Total Dissolved Solids	SM 2540-C	mg/L	1.0	5620	5520
pH	SM 4500-H-B	std. units	0.10	3.49	3.20
Trace Metals					
Aluminum	EPA 200.8	mg/L	0.10	< 0.10	0.61
Arsenic III	SM 3114-C	mg/L	0.001	0.011	0.004
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	0.03	0.33
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	0.67	6.87
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	< 0.05	0.26
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10
Radiometrics					
Uranium	EPA 200.8	mg/L	0.0003	0.0008	0.0070
Radium 226	EPA 903.0	pCi/L	0.2	2.0	7.4
Radium Error Estimate ±				0.2	0.4
Radium 228	EPA 904.0	pCi/L	1.0	11.2	11.7
Radium Error Estimate ±				1.5	1.5
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2
Thorium Error Estimate ±					
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0
Lead Error Estimate ±					
Gross Alpha	EPA 900.1	pCi/L	1.0	15.1	9.0
G. Alpha Error Estimate ±				2.5	1.0
Trace Organics					
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0

Quality Assurance Data		Target Range		
Anion	meq		83.0	79.0
Cation	meq		75.9	79.1
SM A/C Balance	%	-5 - +5	-4.46	0.05
Calc TDS	mg/L		5139	4996
TDS A/C Balance	dec. %	0.80 - 1.20	1.09	1.10

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	**708**
LABORATORY ID:	**01-34624-3**
SAMPLE DATE/TIME:	**07/16/2001 10:25**
DATE RECEIVED:	**07/20/2001 10:30**
REPORT DATE:	**August 14, 2001**
QUARTER REPRESENTED:	**Third 2001**
UNC SUBMITTAL #:	**TE-11-7-2001**

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	433
Magnesium	EPA 200.7	mg/L	0.01	519
Sodium	EPA 200.7	mg/L	0.05	122
Potassium	EPA 200.7	mg/L	0.10	14.8
Bicarbonate	SM 2320-B	mg/L	0.10	< 0.10
Sulfate	EPA 200.7	mg/L	1.0	3630
Chloride	EPA 200.7	mg/L	1.0	38.4
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	1.58
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10
Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	5740
pH	SM 4500-H-B	std. units	0.10	3.36
Trace Metals, dissolved				
Aluminum	EPA 200.8	mg/L	0.10	0.80
Arsenic III	SM 3114-C	mg/L	0.001	0.002
Beryllium	EPA 200.8	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	0.29
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	7.23
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	0.24
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10
Radiometrics, dissolved				
Uranium	EPA 200.8	mg/L	0.0003	0.0090
Radium 226	EPA 903.0	pCi/L	0.2	8.1
Radium Error Estimate ±				0.4
Radium 228	EPA 904.0	pCi/L	1.0	13.6
Radium Error Estimate ±				1.8
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				-
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				-
Gross Alpha	EPA 900.1	pCi/L	1.0	12.5
G. Alpha Error Estimate ±				1.3
Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		76.7
Cation	meq		71.1
SM A/C Balance	%	-5 - +5	-3.80
Calc TDS	mg/L		4767
TDS A/C Balance	dec. %	0.80 - 1.20	1.20

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	**708**
LABORATORY ID:	**C01100434-010**
SAMPLE DATE/TIME:	**10/08/2001 14:40**
DATE RECEIVED:	**10/12/2001 10:00**
REPORT DATE:	**November 07, 2001**
QUARTER REPRESENTED:	**Fourth 2001**
UNC SUBMITTAL #:	**TE-16-10-2001**

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	1.0	420
Magnesium	EPA 200.7	mg/L	1.0	500
Sodium	EPA 200.7	mg/L	1.0	91.1
Potassium	EPA 200.7	mg/L	1.0	10.8
Bicarbonate	SM 2320-B	mg/L	0.10	< 0.10
Sulfate	EPA 200.7	mg/L	1.0	3200
Chloride	EPA 200.7	mg/L	1.0	33.2
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	1.40
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10

Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	5700
pH	SM 4500-H-B	std. units	0.10	3.70

Trace Metals, dissolved				
Aluminum	EPA 200.7	mg/L	0.10	0.82
Arsenic III	SM 3114-C	mg/L	0.001	0.006
Beryllium	EPA 200.8	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	0.23
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	5.67
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	0.18
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10

Radiometrics, dissolved				
Uranium	EPA 200.8	mg/L	0.0003	0.0105
Radium 226	EPA 903.0	pCi/L	0.2	7.4
Radium Error Estimate ±				0.8
Radium 228	EPA 904.0	pCi/L	1.0	12.0
Radium Error Estimate ±				1.5
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				-
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				-
Gross Alpha	EPA 900.1	pCi/L	1.0	11.3
G. Alpha Error Estimate ±				1.0

Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		67.6
Cation	meq		67.3
SM A/C Balance	%	-5 - +5	-0.22
Calc TDS	mg/L		4263
TDS A/C Balance	dec. %	0.80 - 1.20	1.34

UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE I MONITOR WELLS

WELL ID:	711	711	711	711
LABORATORY ID:	00-34353-3	00-36665-2	01-30431-4	01-31997-2
SAMPLE DATE/TIME:	07/10/2000 13:10	10/02/2000 12:55	01/15/2001 12:45	04/02/2001 10:45
DATE RECEIVED:	07/14/2000 10:20	10/06/2000 10:00	01/19/2001 10:15	04/06/2001 10:30
REPORT DATE:	August 21, 2000	November 9, 2000	February 14, 2001	April 24, 2001
QUARTER REPRESENTED:	Third 2000	Fourth 2000	First 2001	Second 2001
UNC SUBMITTAL #:	TE-6-7-2000	TE-8-10-00	TE-2-1-2001	TE-6-4-2001

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	518	503	496	560
Magnesium	EPA 200.7	mg/L	0.01	542	556	495	572
Sodium	EPA 200.7	mg/L	0.05	101	100	93.7	94.9
Potassium	EPA 200.7	mg/L	0.10	10.9	12.6	11.1	10.4
Bicarbonate	SM 2320-B	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Sulfate	EPA 200.7	mg/L	1.0	3490	3990	3900	3560
Chloride	EPA 200.7	mg/L	1.0	20.0	17.9	23.7	19.1
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	0.58	0.45	0.59	0.99
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	5400	5310	5260	5310
pH	SM 4500-H-B	std. units	0.10	3.98	4.13	3.57	3.10
Trace Metals							
Aluminum	EPA 200.8	mg/L	0.10	1.51	1.33	1.40	1.40
Arsenic III	SM 3114-C	mg/L	0.001	< 0.001	0.041	0.036	0.035
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	0.42	0.34	0.39	0.40
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	8.39	7.44	8.00	6.98
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	0.35	0.32	0.34	0.39
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.0613	0.0530	0.0568	0.0560
Radium 226	EPA 903.0	pCi/L	0.2	9.6	9.6	10.3	8.7
Radium Error Estimate ±				0.5	0.9	1.1	0.6
Radium 228	EPA 904.0	pCi/L	1.0	18.6	20.9	19.4	16.9
Radium Error Estimate ±				0.2	1.8	1.6	1.4
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±							
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±							
Gross Alpha	EPA 900.0	pCi/L	1.0	14.2	19.3	13.2	12.4
G. Alpha Error Estimate ±				1.3	1.8	1.2	1.2
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0

Quality Assurance Data		Target Range				
Anion	meq		73.3	83.6	81.9	74.7
Cation	meq		76.2	76.6	76.5	80.5
SM A/C Balance	%	-5 - +5	1.98	-4.40	* -3.44	3.74
Calc TDS	mg/L		4692	5188	5029	4825
TDS A/C Balance	dec. %	0.80 - 1.20	1.15	1.02	1.05	1.10

* Iron used for balance purposes.

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	711-DUPLICATE	711 DUPLICATE	711-DUPLICATE
LABORATORY ID:	00-36665-3	01-30431-5	01-31997-3
SAMPLE DATE/TIME:	10/02/2000 13:30	01/15/2001 13:10	04/02/2001 11:20
DATE RECEIVED:	10/06/2000 10:00	01/19/2001 10:15	04/06/2001 10:30
REPORT DATE:	November 9, 2000	February 14, 2001	April 24, 2001
QUARTER REPRESENTED:	Fourth 2000	First 2001	Second 2001
UNC SUBMITTAL #:	TE-8-10-00	TE-2-1-2001	TE-6-4-2001

Major Ions	Method	Units	Reporting Limit	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	503	501	557
Magnesium	EPA 200.7	mg/L	0.01	555	501	569
Sodium	EPA 200.7	mg/L	0.05	104	93.0	92.7
Potassium	EPA 200.7	mg/L	0.10	12.9	11.2	10.3
Bicarbonate	SM 2320-B	mg/L	0.10	11.0	10.0	< 0.10
Sulfate	EPA 200.7	mg/L	1.0	3970	3860	3640
Chloride	EPA 200.7	mg/L	1.0	15.7	23.3	20.1
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	0.39	0.60	0.83
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10	< 0.10	0.11
Non-Metals						
Total Dissolved Solids	SM 2540-C	mg/L	1.0	5310	5270	5370
pH	SM 4500-H-B	std. units	0.10	5.36	5.31	3.77
Trace Metals						
Aluminum	EPA 200.8	mg/L	0.10	1.33	1.40	1.40
Arsenic III	SM 3114-C	mg/L	0.001	0.042	0.038	0.034
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	0.36	0.40	0.41
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	7.93	7.65	7.12
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	0.10	0.10
Nickel	EPA 200.8	mg/L	0.05	0.34	0.38	0.43
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001	< 0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10
Radiometrics						
Uranium	EPA 200.8	mg/L	0.0003	0.050	0.049	0.054
Radium 226	EPA 903.0	pCi/L	0.2	9.0	10.4	8.1
Radium Error Estimate ±				0.9	1.1	0.6
Radium 228	EPA 904.0	pCi/L	1.0	19.7	19.9	12.6
Radium Error Estimate ±				1.8	1.6	1.3
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±						
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±						
Gross Alpha	EPA 900.0	pCi/L	1.0	22.9	11.8	10.9
G. Alpha Error Estimate ±				1.9	1.2	1.1
Trace Organics						
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0

Quality Assurance Data		Target Range			
Anion	meq		83.3	81.2	76.4
Cation	meq		76.7	71.6	80.0
SM A/C Balance	%	-5 - +5	-4.14	* -6.32	2.30
Calc TDS	mg/L		5175	5003	4898
TDS A/C Balance	dec. %	0.80 - 1.20	1.03	1.05	1.10

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	**711**
LABORATORY ID:	**01-34434-3**
SAMPLE DATE/TIME:	**07/11/2001 08:20**
DATE RECEIVED:	**07/13/2001 10:30**
REPORT DATE:	**August 2, 2001**
QUARTER REPRESENTED:	**Third 2001**
UNC SUBMITTAL #:	**TE-10-7-2001**

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	541
Magnesium	EPA 200.7	mg/L	0.01	576
Sodium	EPA 200.7	mg/L	0.05	106
Potassium	EPA 200.7	mg/L	0.10	11.1
Bicarbonate	SM 2320-B	mg/L	0.10	< 0.10
Sulfate	EPA 200.7	mg/L	1.0	3580
Chloride	EPA 200.7	mg/L	1.0	30.4
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	0.80
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10
Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	5410
pH	SM 4500-H-B	std. units	0.10	3.65
Trace Metals, dissolved				
Aluminum	EPA 200.8	mg/L	0.10	1.50
Arsenic III	SM 3114-C	mg/L	0.001	0.030
Beryllium	EPA 200.8	mg/L	0.01	0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	0.39
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	7.57
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	0.37
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10
Radiometrics, dissolved				
Uranium	EPA 200.8	mg/L	0.0003	0.0570
Radium 226	EPA 903.0	pCi/L	0.2	12.2
Radium Error Estimate ±				1.4
Radium 228	EPA 904.0	pCi/L	1.0	19.1
Radium Error Estimate ±				1.4
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				-
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				-
Gross Alpha	EPA 900.0	pCi/L	1.0	12.7
G. Alpha Error Estimate ±				1.1
Trace Organics				
Chloroform	EPA 624	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		75.4
Cation	meq		80.4
SM A/C Balance	%	-5 - +5	3.19
Calc TDS	mg/L		4854
TDS A/C Balance	dec. %	0.80 - 1.20	1.11

* Iron used for balance purposes.

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	711-DUPLICATE
LABORATORY ID:	01-34434-4
SAMPLE DATE/TIME:	07/11/2001 08:45
DATE RECEIVED:	07/13/2001 10:30
REPORT DATE:	August 2, 2001
QUARTER REPRESENTED:	Third 2001
UNC SUBMITTAL #:	TE-10-7-2001

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	539
Magnesium	EPA 200.7	mg/L	0.01	573
Sodium	EPA 200.7	mg/L	0.05	104
Potassium	EPA 200.7	mg/L	0.10	11.0
Bicarbonate	SM 2320-B	mg/L	0.10	8.00
Sulfate	EPA 200.7	mg/L	1.0	3520
Chloride	EPA 200.7	mg/L	1.0	30.2
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	0.83
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10

Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	5450
pH	SM 4500-H-B	std. units	0.10	5.33

Trace Metals, dissolved				
Aluminum	EPA 200.8	mg/L	0.10	1.30
Arsenic III	SM 3114-C	mg/L	0.001	0.032
Beryllium	EPA 200.8	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	0.36
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	6.75
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	0.34
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10

Radiometrics, dissolved				
Uranium	EPA 200.8	mg/L	0.0003	0.0510
Radium 226	EPA 903.0	pCi/L	0.2	13.6
Radium Error Estimate ±				1.4
Radium 228	EPA 904.0	pCi/L	1.0	19.1
Radium Error Estimate ±				1.5
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				-
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				-
Gross Alpha	EPA 900.0	pCi/L	1.0	11.9
G. Alpha Error Estimate ±				1.1

Trace Organics				
Chloroform	EPA 624	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		74.3
Cation	meq		79.9
SM A/C Balance	%	-5 - +5	3.64
Calc TDS	mg/L		4789
TDS A/C Balance	dec. %	0.80 - 1.20	1.14

UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	711
LABORATORY ID:	C01100434-008
SAMPLE DATE/TIME:	10/08/2001 13:40
DATE RECEIVED:	10/12/2001 10:00
REPORT DATE:	November 07, 2001
QUARTER REPRESENTED:	Fourth 2001
UNC SUBMITTAL #:	TE-16-10-2001

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	1.0	450
Magnesium	EPA 200.7	mg/L	1.0	480
Sodium	EPA 200.7	mg/L	1.0	80.8
Potassium	EPA 200.7	mg/L	1.0	10.2
Bicarbonate	SM 2320-B	mg/L	0.10	< 0.10
Sulfate	EPA 200.7	mg/L	1.0	3100
Chloride	EPA 200.7	mg/L	1.0	27.0
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	0.70
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10

Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	5440
pH	SM 4500-H-B	std. units	0.10	3.40

Trace Metals, dissolved				
Aluminum	EPA 200.7	mg/L	0.10	1.08
Arsenic III	SM 3114-C	mg/L	0.001	0.033
Beryllium	EPA 200.7	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	0.33
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	5.91
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	0.29
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10

Radiometrics, dissolved				
Uranium	EPA 200.8	mg/L	0.0003	0.0534
Radium 226	EPA 903.0	pCi/L	0.2	8.7
Radium Error Estimate ±				0.9
Radium 228	EPA 904.0	pCi/L	1.0	17.0
Radium Error Estimate ±				1.6
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				-
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				-
Gross Alpha	EPA 900.0	pCi/L	1.0	12.1
G. Alpha Error Estimate ±				1.0

Trace Organics				
Chloroform	EPA 624	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		65.4
Cation	meq		66.7
SM A/C Balance	%	-5 - +5	0.98
Calc TDS	mg/L		4155
TDS A/C Balance	dec. %	0.80 - 1.20	1.31

* Iron used for balance purposes.

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	**711-DUPLICATE**
LABORATORY ID:	**C01100434-009**
SAMPLE DATE/TIME:	**10/08/2001 14:00**
DATE RECEIVED:	**10/12/2001 10:00**
REPORT DATE:	**November 07, 2001**
QUARTER REPRESENTED:	**Fourth 2001**
UNC SUBMITTAL #:	**TE-16-10-2001**

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	1.0	450
Magnesium	EPA 200.7	mg/L	1.0	480
Sodium	EPA 200.7	mg/L	1.0	84.4
Potassium	EPA 200.7	mg/L	1.0	10.5
Bicarbonate	SM 2320-B	mg/L	0.10	7.90
Sulfate	EPA 200.7	mg/L	1.0	3100
Chloride	EPA 200.7	mg/L	1.0	26.7
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	0.71
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10

Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	5410
pH	SM 4500-H-B	std. units	0.10	5.00

Trace Metals, dissolved				
Aluminum	EPA 200.7	mg/L	0.10	1.09
Arsenic III	SM 3114-C	mg/L	0.001	0.031
Beryllium	EPA 200.8	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	0.34
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	6.15
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	0.32
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10

Radiometrics, dissolved				
Uranium	EPA 200.8	mg/L	0.0003	0.0483
Radium 226	EPA 903.0	pCi/L	0.2	8.7
Radium Error Estimate ±				0.8
Radium 228	EPA 904.0	pCi/L	1.0	17.0
Radium Error Estimate ±				1.6
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				-
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				-
Gross Alpha	EPA 900.0	pCi/L	1.0	11.1
G. Alpha Error Estimate ±				1.0

Trace Organics				
Chloroform	EPA 624	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		65.5
Cation	meq		66.8
SM A/C Balance	%	-5 - +5	1.02
Calc TDS	mg/L		4163
TDS A/C Balance	dec. %	0.80 - 1.20	1.30

UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	717
LABORATORY ID:	01-32149-2
SAMPLE DATE/TIME:	04/09/2001 09:55
DATE RECEIVED:	04/13/2001 10:00
REPORT DATE:	May 16, 2001
QUARTER REPRESENTED:	Second 2001
UNC SUBMITTAL #:	TE-7-4-2001

Major Ions	Method	Units	Reporting Limit	
Calcium	EPA 200.7	mg/L	0.05	631
Magnesium	EPA 200.7	mg/L	0.01	137
Sodium	EPA 200.7	mg/L	0.05	118
Potassium	EPA 200.7	mg/L	0.10	6.40
Bicarbonate	SM 2320-B	mg/L	0.10	498
Sulfate	EPA 200.7	mg/L	1.0	1650
Chloride	EPA 200.7	mg/L	1.0	54.2
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	0.11
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	12.3
Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	3300
pH	SM 4500-H-B	std. units	0.10	7.30
Trace Metals				
Aluminum	EPA 200.7	mg/L	0.10	< 0.10
Arsenic III	SM 3114-C	mg/L	0.001	0.002
Beryllium	EPA 200.8	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	0.01
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	1.40
Molybdenum	EPA 200.8	mg/L	0.10	0.12
Nickel	EPA 200.8	mg/L	0.05	< 0.05
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10
Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	0.0570
Radium 226	EPA 903.0	pCi/L	0.2	4.2
Radium Error Estimate ±				0.3
Radium 228	EPA 904.0	pCi/L	1.0	4.5
Radium Error Estimate ±				1.0
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				
Gross Alpha	EPA 900.0	pCi/L	1.0	4.0
G. Alpha Error Estimate ±				1.2
Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		44.9
Cation	meq		48.3
SM A/C Balance	%	-5 - +5	3.65
Calc TDS	mg/L		2902
TDS A/C Balance	dec. %	0.80 - 1.20	1.14

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	**717**
LABORATORY ID:	**01-34625-2**
SAMPLE DATE/TIME:	**07/16/2001 12:55**
DATE RECEIVED:	**07/20/2001 10:30**
REPORT DATE:	**August 20, 2001**
QUARTER REPRESENTED:	**Third 2001**
UNC SUBMITTAL #:	**TE-11-7-2001**

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	591
Magnesium	EPA 200.7	mg/L	0.01	127
Sodium	EPA 200.7	mg/L	0.05	124
Potassium	EPA 200.7	mg/L	0.10	6.70
Bicarbonate	SM 2320-B	mg/L	0.10	539
Sulfate	EPA 200.7	mg/L	1.0	1630
Chloride	EPA 200.7	mg/L	1.0	61.7
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	0.13
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	12.4
Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	3350
pH	SM 4500-H-B	std. units	0.10	7.35
Trace Metals, dissolved				
Aluminum	EPA 200.8	mg/L	0.10	< 0.10
Arsenic III	SM 3114-C	mg/L	0.001	0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	< 0.01
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	1.36
Molybdenum	EPA 200.8	mg/L	0.10	0.10
Nickel	EPA 200.8	mg/L	0.05	< 0.05
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10
Radiometrics, dissolved				
Uranium	EPA 200.8	mg/L	0.0003	0.0650
Radium 226	EPA 903.0	pCi/L	0.2	3.7
Radium Error Estimate ±				0.4
Radium 228	EPA 904.0	pCi/L	1.0	3.7
Radium Error Estimate ±				1.1
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				-
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				-
Gross Alpha	EPA 900.0	pCi/L	1.0	2.5
G. Alpha Error Estimate ±				1.4
Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		45.4
Cation	meq		45.8
SM A/C Balance	%	-5 - +5	0.40
Calc TDS	mg/L		2866
TDS A/C Balance	dec. %	0.80 - 1.20	1.17

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	717
LABORATORY ID:	C01100434-004
SAMPLE DATE/TIME:	10/08/2001 09:15
DATE RECEIVED:	10/12/2001 10:00
REPORT DATE:	November 07, 2001
QUARTER REPRESENTED:	Fourth 2001
UNC SUBMITTAL #:	TE-16-10-2001

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	1.0	600
Magnesium	EPA 200.7	mg/L	1.0	130
Sodium	EPA 200.7	mg/L	1.0	105
Potassium	EPA 200.7	mg/L	1.0	6.10
Bicarbonate	SM 2320-B	mg/L	0.10	588
Sulfate	EPA 200.7	mg/L	1.0	1600
Chloride	EPA 200.7	mg/L	1.0	66.7
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	0.05
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	10.6
Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	3300
pH	SM 4500-H-B	std. units	0.10	7.20
Trace Metals, dissolved				
Aluminum	EPA 200.8	mg/L	0.10	< 0.10
Arsenic III	SM 3114-C	mg/L	0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	< 0.01
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	1.08
Molybdenum	EPA 200.7	mg/L	0.10	0.08
Nickel	EPA 200.8	mg/L	0.05	< 0.05
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10
Radiometrics, dissolved				
Uranium	EPA 200.8	mg/L	0.0003	0.0643
Radium 226	EPA 903.0	pCi/L	0.2	3.5
Radium Error Estimate ±				0.3
Radium 228	EPA 904.0	pCi/L	1.0	4.5
Radium Error Estimate ±				1.2
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				-
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				-
Gross Alpha	EPA 900.0	pCi/L	1.0	4.8
G. Alpha Error Estimate ±				1.3
Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		45.6
Cation	meq		45.6
SM A/C Balance	%	-5 - +5	0.01
Calc TDS	mg/L		2850
TDS A/C Balance	dec. %	0.80 - 1.20	1.16

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	**719**
LABORATORY ID:	**01-32149-1**
SAMPLE DATE/TIME:	**04/09/2001 09:20**
DATE RECEIVED:	**04/13/2001 10:00**
REPORT DATE:	**May 16, 2001**
QUARTER REPRESENTED:	**Second 2001**
UNC SUBMITTAL #:	**TE-7-4-2001**

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	482
Magnesium	EPA 200.7	mg/L	0.01	461
Sodium	EPA 200.7	mg/L	0.05	134
Potassium	EPA 200.7	mg/L	0.10	4.30
Bicarbonate	SM 2320-B	mg/L	0.10	< 0.10
Sulfate	EPA 200.7	mg/L	1.0	3750
Chloride	EPA 200.7	mg/L	1.0	32.2
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	5.14
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	0.11
Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	5850
pH	SM 4500-H-B	std. units	0.10	3.01
Trace Metals				
Aluminum	EPA 200.7	mg/L	0.10	78.8
Arsenic III	SM 3114-C	mg/L	0.001	0.016
Beryllium	EPA 200.8	mg/L	0.01	0.07
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	0.80
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	8.70
Molybdenum	EPA 200.8	mg/L	0.10	0.34
Nickel	EPA 200.8	mg/L	0.05	1.10
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10
Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	0.397
Radium 226	EPA 903.0	pCi/L	0.2	22.1
Radium Error Estimate ±				1.4
Radium 228	EPA 904.0	pCi/L	1.0	5.9
Radium Error Estimate ±				1.1
Thorium 230	EPA 907.0	pCi/L	0.2	30.5
Thorium Error Estimate ±				3.3
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				
Gross Alpha	EPA 900.0	pCi/L	1.0	55.3
G. Alpha Error Estimate ±				4.1
Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		79.0
Cation	meq		78.1
SM A/C Balance	%	-5 - +5	-0.61
Calc TDS	mg/L		4879
TDS A/C Balance	dec. %	0.80 - 1.20	1.20

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	**719**
LABORATORY ID:	**01-34434-5**
SAMPLE DATE/TIME:	**07/11/2001 09:20**
DATE RECEIVED:	**07/13/2001 10:30**
REPORT DATE:	**August 2, 2001**
QUARTER REPRESENTED:	**Third 2001**
UNC SUBMITTAL #:	**TE-10-7-2001**

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	527
Magnesium	EPA 200.7	mg/L	0.01	518
Sodium	EPA 200.7	mg/L	0.05	144
Potassium	EPA 200.7	mg/L	0.10	3.50
Bicarbonate	SM 2320-B	mg/L	0.10	< 0.10
Sulfate	EPA 200.7	mg/L	1.0	4000
Chloride	EPA 200.7	mg/L	1.0	43.8
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	3.86
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10
Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	6180
pH	SM 4500-H-B	std. units	0.10	2.94
Trace Metals, dissolved				
Aluminum	EPA 200.8	mg/L	0.10	73.2
Arsenic III	SM 3114-C	mg/L	0.001	0.015
Beryllium	EPA 200.8	mg/L	0.01	0.08
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	0.71
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	8.43
Molybdenum	EPA 200.8	mg/L	0.10	0.46
Nickel	EPA 200.8	mg/L	0.05	1.01
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10
Radiometrics, dissolved				
Uranium	EPA 200.8	mg/L	0.0003	0.4540
Radium 226	EPA 903.0	pCi/L	0.2	24.0
Radium Error Estimate ±				1.9
Radium 228	EPA 904.0	pCi/L	1.0	2.4
Radium Error Estimate ±				1.1
Thorium 230	EPA 907.0	pCi/L	0.2	40.9
Thorium Error Estimate ±				3.3
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				-
Gross Alpha	EPA 900.0	pCi/L	1.0	46.6
G. Alpha Error Estimate ±				3.8
Trace Organics				
Chloroform	EPA 624	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		84.6
Cation	meq		84.8
SM A/C Balance	%	-5 - +5	0.12
Calc TDS	mg/L		5250
TDS A/C Balance	dec. %	0.80 - 1.20	1.18

UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	**719**
LABORATORY ID:	**C01100434-002**
SAMPLE DATE/TIME:	**10/08/2001 109:10**
DATE RECEIVED:	**10/12/2001 10:00**
REPORT DATE:	**November 07, 2001**
QUARTER REPRESENTED:	**Fourth 2001**
UNC SUBMITTAL #:	**TE-16-10-2001**

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	1.0	450
Magnesium	EPA 200.7	mg/L	1.0	440
Sodium	EPA 200.7	mg/L	1.0	108
Potassium	EPA 200.7	mg/L	1.0	3.80
Bicarbonate	SM 2320-B	mg/L	0.10	< 0.10
Sulfate	EPA 200.7	mg/L	1.0	3300
Chloride	EPA 200.7	mg/L	1.0	51.6
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	2.80
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10
Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	5960
pH	SM 4500-H-B	std. units	0.10	2.90
Trace Metals, dissolved				
Aluminum	EPA 200.7	mg/L	0.10	49.9
Arsenic III	SM 3114-C	mg/L	0.001	0.013
Beryllium	EPA 200.7	mg/L	0.01	0.04
Cadmium	EPA 200.8	mg/L	0.005	0.005
Cobalt	EPA 200.7	mg/L	0.01	0.60
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	6.85
Molybdenum	EPA 200.7	mg/L	0.10	0.25
Nickel	EPA 200.7	mg/L	0.05	0.85
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10
Radiometrics, dissolved				
Uranium	EPA 200.8	mg/L	0.0003	0.387
Radium 226	EPA 903.0	pCi/L	0.2	14.0
Radium Error Estimate ±				1.1
Radium 228	EPA 904.0	pCi/L	1.0	1.1
Radium Error Estimate ±				2.0
Thorium 230	EPA 907.0	pCi/L	0.2	40.6
Thorium Error Estimate ±				3.0
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				-
Gross Alpha	EPA 900.0	pCi/L	1.0	42.9
G. Alpha Error Estimate ±				3.6
Trace Organics				
Chloroform	EPA 624	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		70.2
Cation	meq		70.1
SM A/C Balance	%	-5 - +5	-0.07
Calc TDS	mg/L		4364
TDS A/C Balance	dec. %	0.80 - 1.20	1.37

UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	EPA-13
LABORATORY ID:	01-32152-1
SAMPLE DATE/TIME:	04/09/2001 08:40
DATE RECEIVED:	04/13/2001 10:00
REPORT DATE:	May 1, 2001
QUARTER REPRESENTED:	Second 2001
UNC SUBMITTAL #:	TE-6-4-2001

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	522
Magnesium	EPA 200.7	mg/L	0.01	835
Sodium	EPA 200.7	mg/L	0.05	138
Potassium	EPA 200.7	mg/L	0.10	11.6
Bicarbonate	SM 2320-B	mg/L	0.10	79.0
Sulfate	EPA 200.7	mg/L	1.0	4660
Chloride	EPA 200.7	mg/L	1.0	36.5
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	0.62
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10
Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	6110
pH	SM 4500-H-B	std. units	0.10	6.43
Trace Metals				
Aluminum	EPA 200.8	mg/L	0.10	0.10
Arsenic III	SM 3114-C	mg/L	0.001	0.601
Beryllium	EPA 200.8	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	0.06
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	6.33
Molybdenum	EPA 200.8	mg/L	0.10	0.30
Nickel	EPA 200.8	mg/L	0.05	0.15
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10
Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	0.0230
Radium 226	EPA 903.0	pCi/L	0.2	4.6
Radium Error Estimate ±				0.5
Radium 228	EPA 904.0	pCi/L	1.0	5.1
Radium Error Estimate ±				1.0
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				
Gross Alpha	EPA 900.0	pCi/L	1.0	6.9
G. Alpha Error Estimate ±				1.5
Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		99.4
Cation	meq		102
SM A/C Balance	%	-5 - +5	1.47
Calc TDS	mg/L		6250
TDS A/C Balance	dec. %	0.80 - 1.20	0.98

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	**EPA-13**
LABORATORY ID:	**01-34624-4**
SAMPLE DATE/TIME:	**07/16/2001 11:15**
DATE RECEIVED:	**07/20/2001 10:30**
REPORT DATE:	**August 23, 2001**
QUARTER REPRESENTED:	**Third 2001**
UNC SUBMITTAL #:	**TE-11-7-2001**

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	421
Magnesium	EPA 200.7	mg/L	0.01	733
Sodium	EPA 200.7	mg/L	0.05	139
Potassium	EPA 200.7	mg/L	0.10	13.3
Bicarbonate	SM 2320-B	mg/L	0.10	81.0
Sulfate	EPA 200.7	mg/L	1.0	3950
Chloride	EPA 200.7	mg/L	1.0	49.9
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	0.67
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10
Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	6450
pH	SM 4500-H-B	std. units	0.10	6.77
Trace Metals, dissolved				
Aluminum	EPA 200.8	mg/L	0.10	< 0.10
Arsenic III	SM 3114-C	mg/L	0.001	0.386
Beryllium	EPA 200.8	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	0.08
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	8.41
Molybdenum	EPA 200.8	mg/L	0.10	0.40
Nickel	EPA 200.8	mg/L	0.05	0.21
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10
Radiometrics, dissolved				
Uranium	EPA 200.8	mg/L	0.0003	0.0250
Radium 226	EPA 903.0	pCi/L	0.2	4.5
Radium Error Estimate ±				0.3
Radium 228	EPA 904.0	pCi/L	1.0	5.6
Radium Error Estimate ±				1.5
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				-
Lead 210	NERHL-65-4	pCi/L	1.0	4.0
Lead Error Estimate ±				1.7
Gross Alpha	EPA 900.0	pCi/L	1.0	5.9
G. Alpha Error Estimate ±				1.0
Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		85.0
Cation	meq		89.0
SM A/C Balance	%	-5 - +5	2.29
Calc TDS	mg/L		5356
TDS A/C Balance	dec. %	0.80 - 1.20	1.20

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	**EPA-13**
LABORATORY ID:	**C01100434-007**
SAMPLE DATE/TIME:	**10/08/2001 13:05**
DATE RECEIVED:	**10/12/2001 10:00**
REPORT DATE:	**November 07, 2001**
QUARTER REPRESENTED:	**Fourth 2001**
UNC SUBMITTAL #:	**TE-16-10-2001**

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	1.0	410
Magnesium	EPA 200.7	mg/L	1.0	710
Sodium	EPA 200.7	mg/L	1.0	116
Potassium	EPA 200.7	mg/L	1.0	11.0
Bicarbonate	SM 2320-B	mg/L	0.10	86.0
Sulfate	EPA 200.7	mg/L	1.0	3600
Chloride	EPA 200.7	mg/L	1.0	48.5
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	0.53
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10

Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	6390
pH	SM 4500-H-B	std. units	0.10	6.60

Trace Metals, dissolved				
Aluminum	EPA 200.8	mg/L	0.10	< 0.10
Arsenic III	SM 3114-C	mg/L	0.001	0.320
Beryllium	EPA 200.8	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	0.04
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	4.72
Molybdenum	EPA 200.7	mg/L	0.10	0.19
Nickel	EPA 200.7	mg/L	0.05	0.08
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10

Radiometrics, dissolved				
Uranium	EPA 200.8	mg/L	0.0003	0.0159
Radium 226	EPA 903.0	pCi/L	0.2	4.3
Radium Error Estimate ±				0.3
Radium 228	EPA 904.0	pCi/L	1.0	4.7
Radium Error Estimate ±				1.2
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				-
Lead 210 (recheck)	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				-
Gross Alpha	EPA 900.0	pCi/L	1.0	5.8
G. Alpha Error Estimate ±				1.4

Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		77.8
Cation	meq		85.3
SM A/C Balance	%	-5 - +5	4.60
Calc TDS	mg/L		4944
TDS A/C Balance	dec. %	0.80 - 1.20	1.29

UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	EPA-14	EPA-14	EPA-14	EPA-14
LABORATORY ID:	00-34356-3	00-36833-1	01-30433-2	01-31998-3
SAMPLE DATE/TIME:	07/12/2000 08:20	10/09/2000 13:55	01/15/2001 11:00	04/02/2001 12:50
DATE RECEIVED:	07/14/2000 10:20	10/13/2000 00:20	01/19/2001 10:15	04/06/2001 10:30
REPORT DATE:	August 21, 2000	November 10, 2000	February 14, 2001	April 25, 2001
QUARTER REPRESENTED:	Third 2000	Fourth 2000	First 2001	Second 2001
UNC SUBMITTAL #:	TE-6-7-2000	TE-9-10-2000	TE-2-1-2001	TE-6-4-2001

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	563	543	507	570
Magnesium	EPA 200.7	mg/L	0.01	368	423	379	439
Sodium	EPA 200.7	mg/L	0.05	161	163	155	153
Potassium	EPA 200.7	mg/L	0.10	8.7	9.5	9.3	8.3
Bicarbonate	SM 2320-B	mg/L	0.10	239	153	113	104
Sulfate	EPA 200.7	mg/L	1.0	2560	3210	3110	2990
Chloride	EPA 200.7	mg/L	1.0	53.1	44.2	55.2	52.6
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	0.56	0.35	0.23	0.43
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	23.0	19.3	19.9	18.1
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	4410	4440	4550	4570
pH	SM 4500-H-B	std. units	0.10	7.11	7.26	6.55	6.89
Trace Metals							
Aluminum	EPA 200.8	mg/L	0.10	11.6	8.13	23.7	13.0
Arsenic III	SM 3114-C	mg/L	0.001	0.002	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	0.01	0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	0.008	0.008	0.008
Cobalt	EPA 200.8	mg/L	0.01	0.18	0.18	0.23	0.26
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	4.36	3.96	4.65	4.68
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	0.15	0.15	0.24	0.27
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.0530	0.0435	0.0490	0.0370
Radium 226	EPA 903.0	pCi/L	0.2	3.8	3.9	5.2	4.2
Radium Error Estimate ±				0.3	0.3	0.6	0.3
Radium 228	EPA 904.0	pCi/L	1.0	5.9	6.9	< 1.0	6.4
Radium Error Estimate ±				0.6	0.6		1.4
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±							
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±							
Gross Alpha	EPA 900.0	pCi/L	1.0	5.4	10.3	4.5	5.1
G. Alpha Error Estimate ±				1.9	1.3	1.5	1.5
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Quality Assurance Data			Target Range				
Anion		meq		60.4	72.0	69.6	66.8
Cation		meq		66.3	70.0	64.2	72.2
SM A/C Balance		%	-5 - +5	4.68	-1.43	-4.06	3.93
Calc TDS		mg/L		3940	4559	4365	4350
TDS A/C Balance		dec. %	0.80 - 1.20	1.12	0.97	1.04	1.05

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	**EPA-14**
LABORATORY ID:	**01-34437-2**
SAMPLE DATE/TIME:	**07/10/2001 15:00**
DATE RECEIVED:	**07/13/2001 10:30**
REPORT DATE:	**August 7, 2001**
QUARTER REPRESENTED:	**Third 2001**
UNC SUBMITTAL #:	**TE-10-7-2001**

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	491
Magnesium	EPA 200.7	mg/L	0.01	476
Sodium	EPA 200.7	mg/L	0.05	201
Potassium	EPA 200.7	mg/L	0.10	7.1
Bicarbonate	SM 2320-B	mg/L	0.10	< 0.10
Sulfate	EPA 200.7	mg/L	1.0	4080
Chloride	EPA 200.7	mg/L	1.0	78.7
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	91.3
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	15.7

Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	6810
pH	SM 4500-H-B	std. units	0.10	4.10

Trace Metals				
Aluminum	EPA 200.8	mg/L	0.10	188
Arsenic III	SM 3114-C	mg/L	0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	0.08
Cadmium	EPA 200.8	mg/L	0.005	0.014
Cobalt	EPA 200.8	mg/L	0.01	0.56
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	16.5
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	0.54
Selenium IV	SM 3114-C	mg/L	0.001	0.001
Vanadium	EPA 200.8	mg/L	0.10	1.00

Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	0.491
Radium 226	EPA 903.0	pCi/L	0.2	5.0
Radium Error Estimate ±				0.5
Radium 228	EPA 904.0	pCi/L	1.0	5.3
Radium Error Estimate ±				1.2
Thorium 230	EPA 907.0	pCi/L	0.2	150
Thorium Error Estimate ±				68.0
Lead 210	NERHL-65-4	pCi/L	1.0	7.3
Lead Error Estimate ±				2.6
Gross Alpha	EPA 900.0	pCi/L	1.0	13.3
G. Alpha Error Estimate ±				1.1

Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		88.3
Cation	meq		80.6
SM A/C Balance	%	-5 - +5	-4.61
Calc TDS	mg/L		5538
TDS A/C Balance	dec. %	0.80 - 1.20	1.23

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	**EPA-14**
LABORATORY ID:	**C01100434-005**
SAMPLE DATE/TIME:	**10/08/2001 10:45**
DATE RECEIVED:	**10/12/2001 10:00**
REPORT DATE:	**November 07, 2001**
QUARTER REPRESENTED:	**Fourth 2001**
UNC SUBMITTAL #:	**TE-16-10-2001**

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	1.0	480
Magnesium	EPA 200.7	mg/L	1.0	390
Sodium	EPA 200.7	mg/L	1.0	145
Potassium	EPA 200.7	mg/L	1.0	9.1
Bicarbonate	SM 2320-B	mg/L	0.10	83.6
Sulfate	EPA 200.7	mg/L	1.0	2500
Chloride	EPA 200.7	mg/L	1.0	62.0
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	0.40
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	14.0

Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	4780
pH	SM 4500-H-B	std. units	0.10	6.60

Trace Metals				
Aluminum	EPA 200.7	mg/L	0.10	16.6
Arsenic III	SM 3114-C	mg/L	0.001	< 0.001
Beryllium	EPA 200.7	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	0.009
Cobalt	EPA 200.7	mg/L	0.01	0.20
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	3.99
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	0.20
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10

Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	0.0432
Radium 226	EPA 903.0	pCi/L	0.2	3.9
Radium Error Estimate ±				0.3
Radium 228	EPA 904.0	pCi/L	1.0	7.0
Radium Error Estimate ±				1.3
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				-
Lead 210 (recheck)	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				-
Gross Alpha	EPA 900.0	pCi/L	1.0	6.6
G. Alpha Error Estimate ±				1.5

Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		56.2
Cation	meq		63.3
SM A/C Balance	%	-5 - +5	5.93
Calc TDS	mg/L		3694
TDS A/C Balance	dec. %	0.80 - 1.20	1.29

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	**NBL-1**
LABORATORY ID:	**C01080531-001**
SAMPLE DATE/TIME:	**08/15/2001 10:35**
DATE/TIME RECEIVED:	**08/17/2001 10:00**
REPORT DATE:	**September 14, 2001**
QUARTER REPRESENTED:	**Third Quarter**
UNC SUBMITTAL #:	**TE-13-8-2001**

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	550
Magnesium	EPA 200.7	mg/L	0.01	162
Sodium	EPA 200.7	mg/L	0.05	116
Potassium	EPA 200.7	mg/L	0.10	6.83
Bicarbonate	SM 2320-B	mg/L	0.10	343
Sulfate	EPA 200.7	mg/L	1.0	1730
Chloride	EPA 200.7	mg/L	1.0	36.8
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	0.41
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10
Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	3220
pH	SM 4500-H-B	std. units	0.10	6.90
Trace Metals, dissolved				
Aluminum	EPA 200.8	mg/L	0.10	< 0.10
Arsenic III	SM 3114-C	mg/L	0.001	0.570
Beryllium	EPA 200.8	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	0.05
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	1.47
Molybdenum	EPA 200.8	mg/L	0.10	2.62
Nickel	EPA 200.8	mg/L	0.05	0.19
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10
Radiometrics, dissolved				
Uranium	EPA 200.8	mg/L	0.0003	0.294
Radium 226	EPA 903.0	pCi/L	0.2	7.3
Radium Error Estimate ±				0.4
Radium 228	EPA 904.0	pCi/L	1.0	7.0
Radium Error Estimate ±				1.4
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				-
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				-
Gross Alpha	EPA 900.0	pCi/L	1.0	8.1
G. Alpha Error Estimate ±				1.7
Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		42.7
Cation	meq		46.3
SM A/C Balance	%	-5 - +5	4.07
Calc TDS	mg/L		2776
TDS A/C Balance	dec. %	0.80 - 1.20	1.16

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	NBL-1
LABORATORY ID:	C01100230-002
SAMPLE DATE/TIME:	10/03/2001 09:30
DATE/TIME RECEIVED:	10/05/2001 10:00
REPORT DATE:	October 22, 2001
QUARTER REPRESENTED:	Fourth 2001
UNC SUBMITTAL #:	TE-15-10-2001

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	1.0	550
Magnesium	EPA 200.7	mg/L	1.0	150
Sodium	EPA 200.7	mg/L	1.0	100
Potassium	EPA 200.7	mg/L	1.0	7.0
Bicarbonate	SM 2320-B	mg/L	0.10	346
Sulfate	EPA 200.7	mg/L	1.0	1680
Chloride	EPA 200.7	mg/L	1.0	40.0
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	0.29
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10

Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	3160
pH	SM 4500-H-B	std. units	0.10	7.50

Trace Metals, dissolved				
Aluminum	EPA 200.8	mg/L	0.10	< 0.10
Arsenic III	SM 3114-C	mg/L	0.001	0.714
Beryllium	EPA 200.8	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	0.05
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	1.59
Molybdenum	EPA 200.8	mg/L	0.10	2.86
Nickel	EPA 200.8	mg/L	0.05	0.08
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10

Radiometrics, dissolved				
Uranium	EPA 200.8	mg/L	0.0003	0.276
Radium 226	EPA 903.0	pCi/L	0.2	7.0
Radium Error Estimate ±				0.5
Radium 228	EPA 904.0	pCi/L	1.0	5.2
Radium Error Estimate ±				1.4
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				-
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				-
Gross Alpha	EPA 900.0	pCi/L	1.0	6.3
G. Alpha Error Estimate ±				1.4

Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		41.8
Cation	meq		44.6
SM A/C Balance	%	-5 - +5	3.27
Calc TDS	mg/L		2702
TDS A/C Balance	dec. %	0.80 - 1.20	1.17

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