

**QUARTERLY SAMPLING**  
**SEMI-ANNUAL GROUND WATER MONITORING REPORT**  
**JANUARY AND APRIL OF 2007**  
**FIELD DATA SHEET OF**  
**FIRST AND SECOND QUARTER**

**CONTROLS**

**SW ALLUVIUM**

**ZONE - 1**

**ZONE - 3**

**GROUND WATER FIELD MONITORING  
WATER ELEVATION, PH, CONDUCTIVITY, AND  
TEMPERATURE**

JANUARY MONTH FIRST QUARTER, 2007 .

**SOUTHWEST ALLUVIUM**

<u>WELL NO.</u>	<u>DEPT REC./ SAMPLE DATE</u>	<u>DEPTH TO WATER (FT.)</u>	<u>REF. ELEV.</u>	<u>TOP OF WATER ELEV.</u>	<u>FIELD COND. (us/cm)</u>	<u>FIELD pH (units)</u>	<u>FIELD TEMP. (°c)</u>
509-D	1-8-07	75.39	6949.5	6874.11	4,200	6.44	13.3
624	1-9-07	49.69	6898.7	6849.01	3,670	6.62	11.5
627	1-9-07	57.45	6892.4	6834.95	3,760	7.09	14.0
632	1-8-07	42.88	6903.6	6860.72	5,120	6.38	12.8
801	1-8-07	49.55	6904.3	6854.75	4,400	6.49	12.8
802	1-8-07	45.97	6907.1	6861.13	5,630	6.55	12.7
803	1-8-07	60.00	6922.6	6862.60	4,650	6.43	13.3
808	1-8-07	47.60	6910.7	6863.10	4,620	6.57	12.7
GW-1	1-9-07	60.02	6916.5	6856.48	4,240	6.91	7.4
GW-2	1-8-07	54.34	6912.9	6858.56	4,800	6.56	9.9
GW-3	1-9-07	51.22	6910.0	6858.78	3,960	6.58	14.0
EPA-23	1-8-07	52.28	6926.5	6874.22	3,200	6.67	11.8
EPA-25	1-9-07	52.24	6903.4	6851.16	3,150	7.00	13.3
EPA-28	1-9-07	61.55	6917.9	6856.35	3,570	6.84	12.2
(QA/QC) 624 DUP.	1-9-07	49.60	6898.7	6849.10	3,710	6.61	11.5
(QA/QC) FIELD BLANK	1-10-07				6	6.53	9.0
SBL-1	1-9-07	50.07	6896.3	6846.23	5,090	6.82	10.6
805	1-23-07	51.72	6915.6	6863.88			
807	1-23-07	55.85	6923.4	6867.55			

COMMENTS:

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**GROUND WATER FIELD MONITORING  
WATER ELEVATIONS, PH, CONDUCTIVITY, AND TEMPERATURE**

JANUARY MONTH FIRST QUARTER, 2007

ZONE 1

<u>WELL NO.</u>	<u>DEPT REC./ SAMPLE DATE</u>	<u>DEPTH TO WATER (FT.)</u>	<u>REF. ELEV.</u>	<u>TOP OF WATER ELEV.</u>	<u>FIELD COND. (us/cm)</u>	<u>FIELD pH (units)</u>	<u>FIELD TEMP. (°c)</u>
515-A	1-10-07	101.80	7008.8	6907.00	5,210	5.57	12.1
604	1-10-07	100.71	7006.0	6905.29	4,580	5.00	12.5
614	1-10-07	101.97	7012.0	6910.03	4,970	6.49	11.7
TWQ-142	1-15-07	200.98	6983.4	6782.42	1,654	7.79	7.1
EPA-2	1-16-07	171.85	7019.5	6847.65	2,870	6.74	11.8
EPA-4	1-23-07	204.52	7069.8	6865.28	4,340	6.69	11.9
EPA-5	1-23-07	123.12	7011.5	6888.38	4,450	6.00	12.0
EPA-7	1-23-07	112.82	7011.7	6898.88	7,150	6.13	11.7
(QA/QC) EPA-2 DUP.	1-16-07	172.32	7019.5	6847.18	2,900	6.74	12.0
(QA/QC) FIELD BLANK	1-17-07				23	5.74	6.4
TWQ-143	1-24-07	207.57	6989.6	6782.03			
EPA-8	1-23-07	214.90	7076.4	6861.50			
505-A	1-24-07	117.77	6963.1	6845.33			
502-A	1-24-07	194.61	7025.3	6830.69			
501-A	1-24-07	211.05	7048.0	6836.95			
504-A	1-24-07	201.30	7001.4	6800.10			
412	1-24-07	184.55	6979.4	6794.85			

COMMENTS: EPA wells 4, 5 and 7 was sampled during the 4th week due to freezing weather conditions which delayed the sampling process.

**GROUND WATER FIELD MONITORING  
WATER ELEVATIONS, PH, CONDUCTIVITY, AND TEMPERATURE**

JANUARY      MONTH FIRST      QUARTER, 2007

**ZONE 3**

WELL NO.	DEPT REC./ SAMPLE DATE	DEPTH TO WATER (FT.)	REF. ELEV.	TOP OF WATER ELEV.	FIELD COND. (us/cm)	FIELD pH (units)	FIELD TEMP. (°C)
504-B	1-15-07	164.20	7001.8	6837.60	5,310	5.23	7.2
517			6971.75				
EPA-14	1-23-07	115.00	6965.8	6850.80	5,380	4.61	11.7
420	1-16-07	142.20	6982.6	6840.40	3,710	6.94	6.6
711	1-17-07	180.45	7042.75	6862.30	4,790	4.06	9.9
613	1-9-07	78.85	6961.3	6882.45	7,360	3.00	12.6
708	1-17-07	150.68	7012.0	6861.32	5,230	3.82	11.1
(QA/QC) 711 DUP.	1-17-07	181.06	7042.75	6861.69	4,710	4.80	10.0
(QA/QC) FIELD BLANK	1-23-07				6	6.23	9.3
NBL-1	1-16-07	177.65	6988.9	6811.25	4,220	6.36	10.7
EPA-9	1-23-07	170.10	7076.6	6906.50			
EPA-13	1-16-07	166.20	7032.9	6866.70	5,540	6.18	9.2
702	1-24-07	81.62	6974.2	6892.58			
710	1-24-07	160.37	7016.5	6856.13			
712	1-24-07	174.30	7022.2	6847.90			
713	1-24-07	165.60	7024.5	6858.90			
714	1-24-07	101.93	6962.9	6860.97			
701	1-24-07	84.47	6961.3	6876.83			
706	1-24-07	112.98	6972.5	6859.52			
707	1-24-07	154.00	7005.2	6851.20			
717	1-16-07	125.52	6972.3	6846.78	5,350	6.07	9.4
719	1-15-07	163.35	7002.0	6838.65	3,190	4.95	4.0
402	1-24-07	121.30	6968.2	6846.90			
446	1-24-07	160.80	6998.3	6837.50			
424	1-24-07	129.35	6973.1	6843.75			

COMMENTS: EPA-14 well pump is functioning properly after screen is cleaned and lines shorten by 1' to raise pump on 1-23-07. Well 517 is not sampled due to the ongoing In-Situ Alkalinity Stabilization Pilot Study.

**GROUND WATER FIELD MONITORING  
WATER ELEVATION, PH, CONDUCTIVITY, AND  
TEMPERATURE**

APRIL    MONTH SECOND    QUARTER, 2007 .

**SOUTHWEST ALLUVIUM**

<u>WELL NO.</u>	<u>DEPT REC./ SAMPLE DATE</u>	<u>DEPTH TO WATER (FT.)</u>	<u>REF. ELEV.</u>	<u>TOP OF WATER ELEV.</u>	<u>FIELD COND. (us/cm)</u>	<u>FIELD pH (units)</u>	<u>FIELD TEMP. (°c)</u>
509-D	4-9-07	75.62	6949.5	6873.88	4,130	6.46	11.9
624	4-10-07	49.55	6898.7	6849.15	3,750	6.65	11.8
627	4-10-07	57.20	6892.4	6835.20	3,880	7.18	14.1
632	4-9-07	42.62	6903.6	6860.98	5,420	6.47	13.3
801	4-9-07	49.50	6904.3	6854.80	4,590	6.52	12.5
802	4-9-07	45.80	6907.1	6861.30	5,800	6.58	13.8
803	4-9-07	59.80	6922.6	6862.80	4,750	6.53	12.3
808	4-9-07	47.30	6910.7	6863.40	4,860	6.59	13.1
GW-1	4-9-07	59.85	6916.5	6856.65	5,010	6.74	13.8
GW-2	4-9-07	53.98	6912.9	6858.92	5,310	6.42	11.8
GW-3	4-10-07	51.17	6910.0	6858.83	4,030	6.68	13.3
EPA-23	4-9-07	52.00	6926.5	6874.50	3,240	6.68	12.9
EPA-25	4-10-07	52.13	6903.4	6851.27	3,270	6.92	12.8
EPA-28	4-10-07	61.42	6917.9	6856.48	3,700	6.78	13.1
(QA/QC)624 DUP.	4-10-07	49.58	6898.7	6849.12	3,760	6.74	11.5
(QA/QC)							
SBL-1	4-10-07	49.85	6896.3	6846.45	5,270	6.94	12.1
805	4-18-07	51.57	6915.6	6864.03			
807	4-18-07	55.74	6923.4	6867.66			

COMMENTS:

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**GROUND WATER FIELD MONITORING  
WATER ELEVATIONS, PH, CONDUCTIVITY, AND TEMPERATURE**

APRIL      MONTH SECOND QUARTER, 2007

ZONE 1

WELL NO.	DEPT REC./ SAMPLE DATE	DEPTH TO WATER (FT.)	REF. ELEV.	TOP OF WATER ELEV.	FIELD COND. (us/cm)	FIELD pH (units)	FIELD TEMP. (°c)
515-A	4-11-07	101.91	7008.8	6906.89	5,140	5.61	11.4
604	4-11-07	100.76	7006.0	6905.24	4,650	5.02	12.0
614	4-11-07	101.97	7012.0	6910.03	5,010	6.59	11.7
TWQ-142	4-16-07	200.80	6983.4	6782.60	1,642	7.66	13.2
EPA-2	4-16-07	171.68	7019.5	6847.82	2,860	6.96	11.5
EPA-4	4-16-07	204.60	7069.8	6865.20	4,280	6.60	12.9
EPA-5	4-16-07	122.97	7011.5	6888.53	4,540	5.90	13.0
EPA-7	4-16-07	112.70	7011.7	6899.00	7,040	6.03	12.6
(QA/QC) EPA-2 DUP.	4-16-07	172.35	7019.5	6847.15	2,850	6.82	12.0
(QA/QC) FIELD BLANK	4-11-07				6	6.45	12.5
TWQ-143	4-18-07	207.47	6989.6	6782.13			
EPA-8	4-16-07	214.25	7076.4	6862.15			
505-A	4-18-07	117.56	6963.1	6845.54			
502-A	4-18-07	194.41	7025.3	6830.89			
501-A	4-18-07	210.78	7048.0	6837.22			
504-A	4-18-07	201.00	7001.4	6800.40			
412	4-18-07	184.60	6979.4	6794.80			

COMMENTS:

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GROUND WATER FIELD MONITORING  
WATER ELEVATIONS, PH, CONDUCTIVITY, AND TEMPERATURE

APRIL      MONTH SECOND QUARTER, 2007

ZONE 3

WELL NO.	DEPT REC./ SAMPLE DATE	DEPTH TO WATER (FT.)	REF. ELEV.	TOP OF WATER ELEV.	FIELD COND. (us/cm)	FIELD pH (units)	FIELD TEMP. (°c)
504-B	4-17-07	164.88	7001.8	6836.92	5,210	5.25	13.3
* 517	4-18-07	102.44	6971.75	6869.31	4,650	3.95	12.4
EPA-14	4-10-07	115.26	6965.8	6850.54	4,190	4.53	12.8
420	4-17-07	143.88	6982.6	6838.72	3,420	6.98	13.6
711	4-16-07	180.46	7042.75	6862.29	4,450	4.60	12.6
613	4-10-07	78.85	6961.3	6882.45	7,610	3.02	13.9
708	4-16-07	150.85	7012.0	6861.15	5,080	3.89	12.6
(QA/QC) 711 DUP.	4-16-07	181.00	7042.75	6861.75	4,540	4.88	11.9
(QA/QC) FIELD BLANK	4-18-07				13	5.79	19.7
NBL-1	4-17-07	178.17	6988.9	6810.73	4,060	6.18	13.1
EPA-9	4-16-07	169.82	7076.6	6906.78			
EPA-13	4-17-07	166.22	7032.9	6866.68	5,291	6.00	13.9
702	4-18-07	81.69	6974.2	6892.51			
710	4-18-07	160.72	7016.5	6855.78			
712	4-18-07	174.40	7022.2	6847.80			
713	4-18-07	165.62	7024.5	6858.88			
714	4-18-07	101.74	6962.9	6861.16			
701	4-18-07	84.20	6961.3	6877.10			
706	4-18-07	112.91	6972.5	6859.59			
707	4-18-07	154.00	7005.2	6851.20			
717	4-10-07	125.67	6972.3	6846.63	3,980	6.04	13.2
719	4-17-07	163.85	7002.0	6838.15	3,540	6.53	15.0
402	4-18-07	121.62	6968.2	6846.58			
446	4-18-07	160.90	6998.3	6837.40			
424	4-18-07	129.77	6973.1	6843.33			

COMMENTS: \* The In-Situ Alkalinity Stabilization Pilot Study had concluded during the week of 2-15-07 and thereby, well 517 was available to sample this second quarter.







QUARTERLY WATER LEVELS  
1ST QUARTER 2007

ZONE - 3

<u>WELL NO.</u>	<u>DATE</u>	<u>TIME</u>	<u>DEPTH TO WATER</u>	<u>REFERENCE ELEVATION</u>	<u>TOP OF WATER ELEVATION</u>
420	1-16-07	1100	142.20'	6982.6	6840.40
711	1-17-07	0910	180.45'	7042.75	6862.30
504-B	1-15-07	1032	164.20'	7001.8	6837.60
EPA-9	1-23-07	1010	170.10'	7076.6	6906.50
EPA-13	1-16-07	1345	166.20'	7032.9	6866.70
EPA-14	1-23-07	1205	115.00'	6965.8	6850.80
702	1-24-07	0945	81.62'	6974.2	6892.58
710	1-24-07	1027	160.37'	7016.5	6856.13
712	1-24-07	1112	174.30'	7022.2	6847.90
713	1-24-07	1120	165.60'	7024.5	6858.90
714	1-24-07	1007	101.93'	6962.9	6860.97
613	1-9-07	1145	78.85'	6961.3	6882.45
701	1-24-07	0953	84.47'	6961.3	6876.83
706	1-24-07	1014	112.98'	6972.5	6859.52
707	1-24-07	1020	154.00'	7005.2	6851.20
717	1-16-07	1027	125.52'	6972.3	6846.78
719	1-15-07	1108	163.35'	7002.0	6838.65
402	1-24-07	1154	121.30'	6968.2	6846.90
424	1-24-07	1148	129.35'	6973.1	6843.75
446	1-24-07	1345	160.80'	6998.3	6837.50
517				6971.75	
708	1-17-07	1019	150.68'	7012.0	6861.32
NBL-1	1-16-07	1314	177.65'	6988.9	6811.25





QUARTERLY WATER LEVELS  
2ND QUARTER 2007

ZONE - 3

<u>WELL NO.</u>	<u>DATE</u>	<u>TIME</u>	<u>DEPTH TO WATER</u>	<u>REFERENCE ELEVATION</u>	<u>TOP OF WATER ELEVATION</u>
420	4-17-07	1306	143.88'	6982.6	6838.72
711	4-16-07	1332	180.46'	7042.75	6862.29
504-B	4-17-07	1101	164.88'	7001.8	6836.92
EPA-9	4-16-07	0955	169.82'	7076.6	6906.78
EPA-13	4-17-07	1354	166.22'	7032.9	6866.68
EPA-14	4-10-07	1430	115.26'	6965.8	6850.54
702	4-18-07	1338	81.69'	6974.2	6892.51
710	4-18-07	1255	160.72'	7016.5	6855.78
712	4-18-07	1258	174.40'	7022.2	6847.80
713	4-18-07	1247	165.62'	7024.5	6858.88
714	4-18-07	1325	101.74'	6962.9	6861.16
613	4-10-07	1358	78.85'	6961.3	6882.45
701	4-18-07	1334	84.20'	6961.3	6877.10
706	4-18-07	1317	112.91'	6972.5	6859.59
707	4-18-07	1303	154.00'	7005.2	6851.20
717	4-10-07	1459	125.67'	6972.3	6846.63
719	4-17-07	1141	163.85'	7002.0	6838.15
402	4-18-07	1321	121.62'	6968.2	6846.58
424	4-18-07	1322	129.77'	6973.1	6843.33
446	4-18-07	1243	160.90'	6998.3	6837.40
517	4-18-07	0920	102.44'	6971.75	6869.31
708	4-16-07	1145	150.85'	7012.0	6861.15
NBL-1	4-17-07	0943	178.17'	6988.9	6810.73

**QUARTERLY SAMPLING**  
**SEMI-ANNUAL GROUND WATER MONITORING REPORT**  
**JANUARY AND APRIL OF 2007**  
**SOUTH WEST ALLUVIUM**

\*509-D

624

627

\*632

801

802

803

808

\*GW-1

\*GW-2

\*GW-3

\*EPA-23

EPA-25

\*EPA-28

SBL-1

**LEVELS ONLY**

805

807

**\*POINT OF COMPLIANCE WELLS**



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-001  
 Client Sample ID: 509-D

Report Date: 02/22/07  
 Collection Date: 01/08/07 09:55  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	2260	mg/L		1		A2320 B	01/15/07 09:23 / jaj
Calcium	914	mg/L	D	0.6		E200.7	01/15/07 17:25 / ts
Chloride	344	mg/L		1		E200.7	01/15/07 17:12 / ts
Magnesium	355	mg/L	D	0.5		E200.7	01/15/07 17:25 / ts
Nitrogen, Ammonia as N	0.23	mg/L		0.05		A4500-NH <sub>3</sub> G	01/15/07 11:51 / jal
Nitrogen, Nitrate+Nitrite as N	13.2	mg/L	D	0.3		E353.2	01/16/07 13:55 / jal
Potassium	12.4	mg/L		0.5		E200.7	01/15/07 17:12 / ts
Sodium	294	mg/L		0.5		E200.7	01/15/07 17:12 / ts
Sulfate	1580	mg/L		1		E200.7	01/15/07 17:12 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.40	s.u.		0.01		A4500-H B	01/13/07 13:54 / ljl
Solids, Total Dissolved TDS @ 180 C	5340	mg/L		10		A2540 C	01/15/07 15:35 / lm
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	01/12/07 22:54 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/12/07 22:54 / bws
Cadmium	ND	mg/L		0.005		E200.8	01/12/07 22:54 / bws
Cobalt	ND	mg/L		0.01		E200.8	01/12/07 22:54 / bws
Lead	ND	mg/L		0.05		E200.8	01/12/07 22:54 / bws
Manganese	3.97	mg/L		0.01		E200.8	01/12/07 22:54 / bws
Molybdenum	ND	mg/L		0.1		E200.8	01/12/07 22:54 / bws
Nickel	ND	mg/L		0.05		E200.8	01/12/07 22:54 / bws
Uranium	0.229	mg/L		0.0003		E200.8	01/12/07 22:54 / bws
Vanadium	ND	mg/L		0.1		E200.8	01/12/07 22:54 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	01/16/07 13:02 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	01/16/07 09:04 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	01/24/07 18:40 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/19/07 11:00 / plj
Radium 226	0.3	pCi/L		0.2		E903.0	01/29/07 10:22 / trs
Radium 226 precision (±)	0.2	pCi/L				E903.0	01/29/07 10:22 / trs
Radium 228	ND	pCi/L		1.0		RA-05	01/22/07 15:21 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/22/07 15:00 / dmf

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-001  
 Client Sample ID: 509-D

Report Date: 02/22/07  
 Collection Date: 01/08/07 09:55  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	4.63	%				Calculation	02/20/07 15:14 / ks
Anions	80.4	meq/L				Calculation	02/20/07 15:14 / ks
Cations	88.2	meq/L				Calculation	02/20/07 15:14 / ks
Solids, Total Dissolved Calculated	4680	mg/L				Calculation	02/20/07 15:14 / ks
TDS Balance (0.80 - 1.20)	1.14	dec. %				Calculation	02/20/07 15:14 / ks
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/15/07 16:01 / jlr
Bromoform	ND	ug/L		0.50		E624	01/15/07 16:01 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	01/15/07 16:01 / jlr
Chloroform	ND	ug/L		0.50		E624	01/15/07 16:01 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	01/15/07 16:01 / jlr
Surr: 1,2-Dichlorobenzene-d4	103	%REC			80-120	E624	01/15/07 16:01 / jlr
Surr: Dibromofluoromethane	106	%REC			80-120	E624	01/15/07 16:01 / jlr
Surr: p-Bromofluorobenzene	102	%REC			80-120	E624	01/15/07 16:01 / jlr
Surr: Toluene-d8	98.0	%REC			80-120	E624	01/15/07 16:01 / jlr

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.





LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-001  
 Client Sample ID: 509-D

Report Date: 06/05/07  
 Collection Date: 04/09/07 09:40  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	2350	mg/L		1		A2320 B	04/14/07 11:13 / jaj
Calcium	925	mg/L	D	1		E200.7	04/18/07 15:46 / ts
Chloride	361	mg/L		1		E200.7	04/18/07 15:43 / ts
Magnesium	342	mg/L	D	1		E200.7	04/18/07 15:46 / ts
Nitrogen, Ammonia as N	0.08	mg/L		0.05		A4500-NH <sub>3</sub> G	04/17/07 10:38 / jaj
Nitrogen, Nitrate+Nitrite as N	12.8	mg/L	D	0.3		E353.2	04/16/07 14:52 / ljl
Potassium	12.8	mg/L		0.5		E200.7	04/18/07 15:43 / ts
Sodium	326	mg/L		0.5		E200.7	04/18/07 15:43 / ts
Sulfate	1630	mg/L		1		E200.7	04/18/07 15:43 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.62	s.u.		0.01		A4500-H B	04/14/07 08:35 / jaj
Solids, Total Dissolved TDS @ 180 C	5280	mg/L		10		A2540 C	04/14/07 12:30 / jaj
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	04/17/07 15:59 / sml
Beryllium	ND	mg/L		0.01		E200.8	04/17/07 15:59 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/17/07 15:59 / sml
Cobalt	ND	mg/L		0.01		E200.8	04/17/07 15:59 / sml
Lead	ND	mg/L		0.05		E200.8	04/17/07 15:59 / sml
Manganese	4.14	mg/L		0.01		E200.8	04/17/07 15:59 / sml
Molybdenum	ND	mg/L		0.1		E200.8	04/17/07 15:59 / sml
Nickel	ND	mg/L		0.05		E200.8	04/17/07 15:59 / sml
Uranium	0.243	mg/L		0.0003		E200.8	04/17/07 15:59 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/17/07 15:59 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	04/26/07 13:35 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	04/25/07 16:22 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	1.0	pCi/L		1.0		E900.1	04/27/07 14:41 / res
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	04/27/07 14:41 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/16/07 12:00 / plj
Radium 226	ND	pCi/L		0.2		E903.0	04/30/07 10:18 / trs
Radium 228	ND	pCi/L		1.0		RA-05	04/25/07 10:08 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	04/24/07 15:00 / dmf
<b>DATA QUALITY</b>							
A/C Balance (± 5)	3.15	%				Calculation	04/19/07 11:42 / bws
Anions	83.7	meq/L				Calculation	04/19/07 11:42 / bws
Cations	89.1	meq/L				Calculation	04/19/07 11:42 / bws
Solids, Total Dissolved Calculated	4830	mg/L				Calculation	04/19/07 11:42 / bws
TDS Balance (0.80 - 1.20)	1.09	dec. %				Calculation	04/19/07 11:42 / bws

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-001  
 Client Sample ID: 509-D

Report Date: 06/05/07  
 Collection Date: 04/09/07 09:40  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/17/07 14:11 / jlr
Bromoform	ND	ug/L		0.50		E624	04/17/07 14:11 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/17/07 14:11 / jlr
Chloroform	ND	ug/L		0.50		E624	04/17/07 14:11 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	04/17/07 14:11 / jlr
Surr: 1,2-Dichlorobenzene-d4	100	%REC			80-120	E624	04/17/07 14:11 / jlr
Surr: Dibromofluoromethane	118	%REC			80-120	E624	04/17/07 14:11 / jlr
Surr: p-Bromofluorobenzene	98.0	%REC			80-120	E624	04/17/07 14:11 / jlr
Surr: Toluene-d8	100	%REC			80-120	E624	04/17/07 14:11 / jlr

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



**UNC Mining and Milling ChurchRock Operations**  
**GroundWater Monitoring Summary: Alluvium Monitor Wells**

Well ID:	509-D	509-D	509-D	509-D	
Collection Date:	4/9/2007	1/8/2007	10/2/2006	7/17/2006	
Receive Date:	4/11/2007	1/10/2007	10/6/2006	7/21/2006	
Report Date:	6/5/2007	2/21/2007	11/8/2006	8/21/2006	
Analyte	Units	C07040656-001	C07010481-001	C06100367-001	C06070992-001
Bicarbonate as HCO3	mg/L	2350	2260	2330	2210
Calcium	mg/L	925	914	816	926
Chloride	mg/L	361	344	297	351
Magnesium	mg/L	342	355	350	365
Nitrogen, Ammonia as N	mg/L	0.08	0.23	2.15	0.28
Nitrogen, Nitrate+Nitrite as N	mg/L	12.8	13.2	13.7	13.1
Potassium	mg/L	12.8	12.4	14.1	13.2
Sodium	mg/L	326	294	312	330
Sulfate	mg/L	1630	1580	1760	1920
pH	s.u.	6.62	6.40	6.69	6.78
Solids, Total Dissolved TDS @ 180 C	mg/L	5280	5340	5180	5120
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	4.14	3.97	3.03	3.30
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.243	0.229	0.227	0.222
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	1.0	ND(1.0)	ND(1.0)	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.5			
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	ND(0.2)	0.3	ND(0.2)	0.6
Radium 226 precision (±)	pCi/L		0.2		0.3
Radium 228	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	2.2
Radium 228 precision (±)	pCi/L				0.8
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	3.15	4.63	-0.141	2.40
Anions	meq/L	83.7	80.4	84.1	86.9
Cations	meq/L	89.1	88.2	83.8	91.2
Solids, Total Dissolved Calculated	mg/L	4830	4680	4770	5060
TDS Balance (0.80 - 1.20)	dec. %	1.09	1.14	1.09	1.01
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	NA
Chloroform	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(1.0)

**\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.**



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-010  
 Client Sample ID: 624

Report Date: 02/22/07  
 Collection Date: 01/09/07 09:46  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	1360	mg/L		1		A2320 B	01/15/07 10:08 / jaj
Calcium	704	mg/L	D	0.6		E200.7	01/15/07 18:52 / ts
Chloride	168	mg/L		1		E200.7	01/15/07 18:39 / ts
Magnesium	437	mg/L	D	0.5		E200.7	01/15/07 18:52 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	01/15/07 12:19 / jal
Nitrogen, Nitrate+Nitrite as N	74	mg/L	D	2		E353.2	01/16/07 14:33 / jal
Potassium	6.9	mg/L		0.5		E200.7	01/15/07 18:39 / ts
Sodium	226	mg/L		0.5		E200.7	01/15/07 18:39 / ts
Sulfate	2250	mg/L	D	8		E200.7	01/15/07 18:52 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.82	s.u.		0.01		A4500-H B	01/15/07 10:31 / lji
Solids, Total Dissolved TDS @ 180 C	5130	mg/L		10		A2540 C	01/15/07 16:31 / lm
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	01/13/07 02:34 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/13/07 02:34 / bws
Cadmium	ND	mg/L		0.005		E200.8	01/13/07 02:34 / bws
Cobalt	ND	mg/L		0.01		E200.8	01/13/07 02:34 / bws
Lead	ND	mg/L		0.05		E200.8	01/13/07 02:34 / bws
Manganese	0.09	mg/L		0.01		E200.8	01/13/07 02:34 / bws
Molybdenum	ND	mg/L		0.1		E200.8	01/13/07 02:34 / bws
Nickel	ND	mg/L		0.05		E200.8	01/13/07 02:34 / bws
Uranium	0.0313	mg/L		0.0003		E200.8	01/13/07 02:34 / bws
Vanadium	ND	mg/L		0.1		E200.8	01/13/07 02:34 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	01/16/07 13:20 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	01/16/07 09:22 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	01/25/07 03:43 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/19/07 11:00 / plj
Radium 226	ND	pCi/L		0.2		E903.0	01/29/07 11:31 / trs
Radium 228	ND	pCi/L		1.0		RA-05	01/22/07 15:21 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/22/07 15:00 / dmf
<b>DATA QUALITY</b>							
A/C Balance (± 5)	1.22	%				Calculation	02/20/07 15:21 / ks
Anions	79.1	meq/L				Calculation	02/20/07 15:21 / ks
Cations	81.1	meq/L				Calculation	02/20/07 15:21 / ks
Solids, Total Dissolved Calculated	4810	mg/L				Calculation	02/20/07 15:21 / ks
TDS Balance (0.80 - 1.20)	1.07	dec. %				Calculation	02/20/07 15:21 / ks

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-010  
 Client Sample ID: 624

Report Date: 02/22/07  
 Collection Date: 01/09/07 09:46  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/16/07 01:30 / jlr
Bromoform	ND	ug/L		0.50		E624	01/16/07 01:30 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	01/16/07 01:30 / jlr
Chloroform	ND	ug/L		0.50		E624	01/16/07 01:30 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	01/16/07 01:30 / jlr
Surr: 1,2-Dichlorobenzene-d4	94.0	%REC			80-120	E624	01/16/07 01:30 / jlr
Surr: Dibromofluoromethane	102	%REC			80-120	E624	01/16/07 01:30 / jlr
Surr: p-Bromofluorobenzene	90.0	%REC			80-120	E624	01/16/07 01:30 / jlr
Surr: Toluene-d8	98.0	%REC			80-120	E624	01/16/07 01:30 / jlr

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-010  
 Client Sample ID: 624

Report Date: 06/05/07  
 Collection Date: 04/10/07 08:57  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	1380	mg/L		1		A2320 B	04/14/07 11:41 / jaj
Calcium	693	mg/L	D	1		E200.7	04/18/07 17:43 / ts
Chloride	182	mg/L		1		E200.7	04/18/07 17:30 / ts
Magnesium	427	mg/L	D	1		E200.7	04/18/07 17:43 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	04/17/07 11:08 / jal
Nitrogen, Nitrate+Nitrite as N	82	mg/L	D	3		A353.2	04/16/07 13:37 / ljl
Potassium	8.1	mg/L		0.5		E200.7	04/18/07 17:30 / ts
Sodium	226	mg/L		0.5		E200.7	04/18/07 17:30 / ts
Sulfate	2150	mg/L	D	2		E200.7	04/18/07 17:43 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.75	s.u.		0.01		A4500-H B	04/14/07 08:47 / jaj
Solids, Total Dissolved TDS @ 180 C	5090	mg/L		10		A2540 C	04/16/07 12:43 / bas
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	04/17/07 19:29 / sml
Beryllium	ND	mg/L		0.01		E200.8	04/17/07 19:29 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/17/07 19:29 / sml
Cobalt	ND	mg/L		0.01		E200.8	04/17/07 19:29 / sml
Lead	ND	mg/L		0.05		E200.8	04/17/07 19:29 / sml
Manganese	0.09	mg/L		0.01		E200.8	04/17/07 19:29 / sml
Molybdenum	ND	mg/L		0.1		E200.8	04/17/07 19:29 / sml
Nickel	ND	mg/L		0.05		E200.8	04/17/07 19:29 / sml
Uranium	0.0308	mg/L		0.0003		E200.8	04/17/07 19:29 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/17/07 19:29 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	05/03/07 09:28 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	05/01/07 15:54 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	04/27/07 14:41 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/16/07 12:00 / plj
Radium 226	ND	pCi/L		0.2		E903.0	04/30/07 11:24 / trs
Radium 228	ND	pCi/L		1.0		RA-05	04/25/07 12:00 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	04/24/07 15:00 / dmf
<b>DATA QUALITY</b>							
A/C Balance (± 5)	0.911	%				Calculation	04/19/07 11:45 / bws
Anions	78.3	meq/L				Calculation	04/19/07 11:45 / bws
Cations	79.7	meq/L				Calculation	04/19/07 11:45 / bws
Solids, Total Dissolved Calculated	4740	mg/L				Calculation	04/19/07 11:45 / bws
TDS Balance (0.80 - 1.20)	1.07	dec. %				Calculation	04/19/07 11:45 / bws

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

D - RL increased due to sample matrix interference.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-010  
 Client Sample ID: 624

Report Date: 06/05/07  
 Collection Date: 04/10/07 08:57  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/18/07 01:23 / jlr
Bromoform	ND	ug/L		0.50		E624	04/18/07 01:23 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/18/07 01:23 / jlr
Chloroform	ND	ug/L		0.50		E624	04/18/07 01:23 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	04/18/07 01:23 / jlr
Surr: 1,2-Dichlorobenzene-d4	101	%REC			80-120	E624	04/18/07 01:23 / jlr
Surr: Dibromofluoromethane	110	%REC			80-120	E624	04/18/07 01:23 / jlr
Surr: p-Bromofluorobenzene	98.0	%REC			80-120	E624	04/18/07 01:23 / jlr
Surr: Toluene-d8	99.0	%REC			80-120	E624	04/18/07 01:23 / jlr

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



**UNC Mining and Milling ChurchRock Operations**  
**GroundWater Monitoring Summary: Alluvium Monitor Wells**

Well ID:	624	624	624	624	
Collection Date:	4/10/2007	1/9/2007	10/3/2006	7/18/2006	
Receive Date:	4/11/2007	1/10/2007	10/6/2006	7/21/2006	
Report Date:	6/5/2007	2/21/2007	11/8/2006	8/21/2006	
Analyte	Units	C07040656-010	C07010481-010	C06100367-010	C06070992-010
Bicarbonate as HCO3	mg/L	1380	1360	1100	1360
Calcium	mg/L	693	704	682	713
Chloride	mg/L	182	168	144	178
Magnesium	mg/L	427	437	419	443
Nitrogen, Ammonia as N	mg/L	ND(0.05)	ND(0.05)	0.08	0.05
Nitrogen, Nitrate+Nitrite as N	mg/L	82	74	76	82
Potassium	mg/L	8.1	6.9	6.2	6.9
Sodium	mg/L	226	226	231	260
Sulfate	mg/L	2150	2250	2100	2300
pH	s.u.	6.75	6.82	6.72	6.89
Solids, Total Dissolved TDS @ 180 C	mg/L	5090	5130	4920	5030
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	0.09	0.09	0.09	0.09
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0308	0.0313	0.0328	0.0326
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L				
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	ND(0.2)	ND(0.2)	0.4	0.3
Radium 226 precision (±)	pCi/L			0.3	0.2
Radium 228	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	2.8
Radium 228 precision (±)	pCi/L				0.8
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	0.911	1.22	4.99	1.59
Anions	meq/L	78.3	79.1	71.3	80.9
Cations	meq/L	79.7	81.1	78.7	83.5
Solids, Total Dissolved Calculated	mg/L	4740	4810	4460	4950
TDS Balance (0.80 - 1.20)	dec. %	1.07	1.07	1.10	1.02
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	NA
Chloroform	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(1.0)

**\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.**





LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-016  
 Client Sample ID: 627

Report Date: 02/22/07  
 Collection Date: 01/09/07 14:55  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	580	mg/L		1		A2320 B	01/15/07 10:50 / jaj
Calcium	512	mg/L	D	0.6		E200.7	01/18/07 13:18 / ts
Chloride	47	mg/L		1		E200.7	01/18/07 13:14 / ts
Magnesium	263	mg/L	D	0.5		E200.7	01/18/07 13:18 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH <sub>3</sub> G	01/15/07 12:37 / jal
Nitrogen, Nitrate+Nitrite as N	103	mg/L	D	2		E353.2	01/16/07 16:31 / jal
Potassium	5.6	mg/L		0.5		E200.7	01/18/07 13:14 / ts
Sodium	443	mg/L		0.5		E200.7	01/18/07 13:14 / ts
Sulfate	2460	mg/L	D	8		E200.7	01/18/07 13:18 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.96	s.u.		0.01		A4500-H B	01/15/07 10:39 / ljl
Solids, Total Dissolved TDS @ 180 C	4870	mg/L		10		A2540 C	01/15/07 16:35 / lm
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	01/13/07 04:12 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/15/07 13:32 / bas
Cadmium	ND	mg/L		0.005		E200.8	01/13/07 04:12 / bws
Cobalt	ND	mg/L		0.01		E200.8	01/15/07 13:32 / bas
Lead	ND	mg/L		0.05		E200.8	01/13/07 04:12 / bws
Manganese	ND	mg/L		0.01		E200.8	01/15/07 13:32 / bas
Molybdenum	ND	mg/L		0.1		E200.8	01/13/07 04:12 / bws
Nickel	ND	mg/L		0.05		E200.8	01/13/07 04:12 / bws
Uranium	0.0228	mg/L		0.0003		E200.8	01/15/07 13:32 / bas
Vanadium	ND	mg/L		0.1		E200.8	01/13/07 04:12 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	01/16/07 13:48 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	01/16/07 09:45 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	01/25/07 09:46 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/19/07 11:00 / plj
Radium 226	ND	pCi/L		0.2		E903.0	01/29/07 11:31 / trs
Radium 228	ND	pCi/L		1.0		RA-05	01/22/07 15:21 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/22/07 15:00 / dmf
<b>DATA QUALITY</b>							
A/C Balance (± 5)	-2.05	%				Calculation	02/20/07 15:24 / ks
Anions	69.4	meq/L				Calculation	02/20/07 15:24 / ks
Cations	66.6	meq/L				Calculation	02/20/07 15:24 / ks
Solids, Total Dissolved Calculated	4490	mg/L				Calculation	02/20/07 15:24 / ks
TDS Balance (0.80 - 1.20)	1.08	dec. %				Calculation	02/20/07 15:24 / ks

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-016  
 Client Sample ID: 627

Report Date: 02/22/07  
 Collection Date: 01/09/07 14:55  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/17/07 00:37 / jlr
Bromoform	ND	ug/L		0.50		E624	01/17/07 00:37 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	01/17/07 00:37 / jlr
Chloroform	ND	ug/L		0.50		E624	01/17/07 00:37 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	01/17/07 00:37 / jlr
Surr: 1,2-Dichlorobenzene-d4	97.0	%REC			80-120	E624	01/17/07 00:37 / jlr
Surr: Dibromofluoromethane	98.0	%REC			80-120	E624	01/17/07 00:37 / jlr
Surr: p-Bromofluorobenzene	94.0	%REC			80-120	E624	01/17/07 00:37 / jlr
Surr: Toluene-d8	93.0	%REC			80-120	E624	01/17/07 00:37 / jlr

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-016  
 Client Sample ID: 627

Report Date: 06/05/07  
 Collection Date: 04/10/07 13:16  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	573	mg/L		1		A2320 B	04/14/07 11:59 / jaj
Calcium	548	mg/L	D	1		E200.7	04/18/07 18:40 / ts
Chloride	45	mg/L		1		E200.7	04/18/07 18:36 / ts
Magnesium	272	mg/L	D	1		E200.7	04/18/07 18:40 / ts
Nitrogen, Ammonia as N	0.06	mg/L		0.05		A4500-NH <sub>3</sub> G	04/17/07 11:26 / jal
Nitrogen, Nitrate+Nitrite as N	115	mg/L	D	2		E353.2	04/16/07 14:02 / ljl
Potassium	7.4	mg/L		0.5		E200.7	04/18/07 18:36 / ts
Sodium	446	mg/L		0.5		E200.7	04/18/07 18:36 / ts
Sulfate	2430	mg/L	D	2		E200.7	04/18/07 18:40 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	7.18	s.u.		0.01		A4500-H B	04/14/07 11:10 / jaj
Solids, Total Dissolved TDS @ 180 C	4740	mg/L		10		A2540 C	04/16/07 12:46 / bas
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	04/17/07 21:07 / sml
Beryllium	ND	mg/L		0.01		E200.8	04/17/07 21:07 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/17/07 21:07 / sml
Cobalt	ND	mg/L		0.01		E200.8	04/17/07 21:07 / sml
Lead	ND	mg/L		0.05		E200.8	04/17/07 21:07 / sml
Manganese	ND	mg/L		0.01		E200.8	04/17/07 21:07 / sml
Molybdenum	ND	mg/L		0.1		E200.8	04/17/07 21:07 / sml
Nickel	ND	mg/L		0.05		E200.8	04/17/07 21:07 / sml
Uranium	0.0252	mg/L		0.0003		E200.8	04/17/07 21:07 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/17/07 21:07 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	05/03/07 09:56 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	05/01/07 16:19 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	04/27/07 16:20 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/16/07 12:00 / plj
Radium 226	ND	pCi/L		0.2		E903.0	04/30/07 11:24 / trs
Radium 228	ND	pCi/L		1.0		RA-05	04/25/07 12:00 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	04/24/07 15:00 / dmf
<b>DATA QUALITY</b>							
A/C Balance (± 5)	-0.158	%				Calculation	04/19/07 11:49 / bws
Anions	69.5	meq/L				Calculation	04/19/07 11:49 / bws
Cations	69.3	meq/L				Calculation	04/19/07 11:49 / bws
Solids, Total Dissolved Calculated	4550	mg/L				Calculation	04/19/07 11:49 / bws
TDS Balance (0.80 - 1.20)	1.04	dec. %				Calculation	04/19/07 11:49 / bws

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

D - RL increased due to sample matrix interference.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-016  
 Client Sample ID: 627

Report Date: 06/05/07  
 Collection Date: 04/10/07 13:16  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/18/07 06:23 / jlr
Bromoform	ND	ug/L		0.50		E624	04/18/07 06:23 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/18/07 06:23 / jlr
Chloroform	ND	ug/L		0.50		E624	04/18/07 06:23 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	04/18/07 06:23 / jlr
Surr: 1,2-Dichlorobenzene-d4	101	%REC			80-120	E624	04/18/07 06:23 / jlr
Surr: Dibromofluoromethane	110	%REC			80-120	E624	04/18/07 06:23 / jlr
Surr: p-Bromofluorobenzene	101	%REC			80-120	E624	04/18/07 06:23 / jlr
Surr: Toluene-d8	100	%REC			80-120	E624	04/18/07 06:23 / jlr

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



**UNC Mining and Milling ChurchRock Operations**  
**GroundWater Monitoring Summary: Alluvium Monitor Wells**

Well ID:	627	627	627	627	
Collection Date:	4/10/2007	1/9/2007	10/3/2006	7/18/2006	
Receive Date:	4/11/2007	1/10/2007	10/6/2006	7/21/2006	
Report Date:	6/5/2007	2/21/2007	11/8/2006	8/21/2006	
Analyte	Units	C07040656-016	C07010481-016	C06100367-014	C06070992-016
Bicarbonate as HCO <sub>3</sub>	mg/L	573	580	592	571
Calcium	mg/L	548	512	528	554
Chloride	mg/L	45	47	39	45
Magnesium	mg/L	272	263	261	279
Nitrogen, Ammonia as N	mg/L	0.06	ND(0.05)	0.08	ND(0.05)
Nitrogen, Nitrate+Nitrite as N	mg/L	115	103	108	109
Potassium	mg/L	7.4	5.6	5.7	6.4
Sodium	mg/L	446	443	460	538
Sulfate	mg/L	2430	2460	2350	2660
pH	s.u.	7.18	6.96	6.92	6.91
Solids, Total Dissolved TDS @ 180 C	mg/L	4740	4870	4670	4790
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0252	0.0228	0.0235	0.0245
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	2.0
Gross Alpha minus Rn & U Precision (±)	pCi/L				0.9
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	ND(0.2)	ND(0.2)	0.7	0.4
Radium 226 precision (±)	pCi/L			0.4	0.2
Radium 228	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	2.2
Radium 228 precision (±)	pCi/L				0.8
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	-0.158	-2.05	0.746	0.257
Anions	meq/L	69.5	69.4	67.0	73.8
Cations	meq/L	69.3	66.6	68.0	74.2
Solids, Total Dissolved Calculated	mg/L	4550	4490	4400	4860
TDS Balance (0.80 - 1.20)	dec. %	1.04	1.08	1.06	0.990
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	NA
Chloroform	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(1.0)

**\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.**



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-008  
 Client Sample ID: 632

Report Date: 02/22/07  
 Collection Date: 01/08/07 15:04  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	1890	mg/L		1		A2320 B	01/15/07 09:59 / jaj
Calcium	629	mg/L	D	0.6		E200.7	01/15/07 18:29 / ts
Chloride	236	mg/L		1		E200.7	01/15/07 18:25 / ts
Magnesium	813	mg/L	D	0.5		E200.7	01/15/07 18:29 / ts
Nitrogen, Ammonia as N	0.75	mg/L		0.05		A4500-NH <sub>3</sub> G	01/15/07 12:15 / jal
Nitrogen, Nitrate+Nitrite as N	69.5	mg/L	D	0.8		E353.2	01/16/07 14:18 / jal
Potassium	11.2	mg/L		0.5		E200.7	01/15/07 18:25 / ts
Sodium	368	mg/L		0.5		E200.7	01/15/07 18:25 / ts
Sulfate	3420	mg/L	D	8		E200.7	01/15/07 18:29 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.66	s.u.		0.01		A4500-H B	01/15/07 10:28 / ljj
Solids, Total Dissolved TDS @ 180 C	7430	mg/L		10		A2540 C	01/15/07 16:30 / lm
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	01/13/07 02:19 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/13/07 02:19 / bws
Cadmium	ND	mg/L		0.005		E200.8	01/13/07 02:19 / bws
Cobalt	ND	mg/L		0.01		E200.8	01/13/07 02:19 / bws
Lead	ND	mg/L		0.05		E200.8	01/13/07 02:19 / bws
Manganese	1.98	mg/L		0.01		E200.8	01/13/07 02:19 / bws
Molybdenum	ND	mg/L		0.1		E200.8	01/13/07 02:19 / bws
Nickel	ND	mg/L		0.05		E200.8	01/13/07 02:19 / bws
Uranium	0.0798	mg/L		0.0003		E200.8	01/13/07 02:19 / bws
Vanadium	ND	mg/L		0.1		E200.8	01/13/07 02:19 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	01/16/07 13:16 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	01/16/07 09:18 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	1.0	pCi/L		1.0		E900.1	01/25/07 01:42 / res
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	01/25/07 01:42 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/19/07 11:00 / plj
Radium 226	0.8	pCi/L		0.2		E903.0	01/29/07 11:31 / trs
Radium 226 precision (±)	0.3	pCi/L				E903.0	01/29/07 11:31 / trs
Radium 228	ND	pCi/L		1.0		RA-05	01/22/07 15:21 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/22/07 15:00 / dmf

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-008  
 Client Sample ID: 632

Report Date: 02/22/07  
 Collection Date: 01/08/07 15:04  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	0.460	%				Calculation	02/20/07 15:21 / ks
Anions	114	meq/L				Calculation	02/20/07 15:21 / ks
Cations	115	meq/L				Calculation	02/20/07 15:21 / ks
Solids, Total Dissolved Calculated	6730	mg/L				Calculation	02/20/07 15:21 / ks
TDS Balance (0.80 - 1.20)	1.10	dec. %				Calculation	02/20/07 15:21 / ks
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/16/07 00:14 / jlr
Bromoform	ND	ug/L		0.50		E624	01/16/07 00:14 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	01/16/07 00:14 / jlr
Chloroform	3.02	ug/L		0.50		E624	01/16/07 00:14 / jlr
Trihalomethanes, Total	3.02	ug/L		0.50		E624	01/16/07 00:14 / jlr
Surr: 1,2-Dichlorobenzene-d4	92.0	%REC			80-120	E624	01/16/07 00:14 / jlr
Surr: Dibromofluoromethane	101	%REC			80-120	E624	01/16/07 00:14 / jlr
Surr: p-Bromofluorobenzene	94.0	%REC			80-120	E624	01/16/07 00:14 / jlr
Surr: Toluene-d8	94.0	%REC			80-120	E624	01/16/07 00:14 / jlr

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



### LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-009  
 Client Sample ID: 632

Report Date: 06/05/07  
 Collection Date: 04/09/07 14:50  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	1930	mg/L		1		A2320 B	04/14/07 11:40 / jaj
Calcium	608	mg/L	D	1		E200.7	04/18/07 17:26 / ts
Chloride	240	mg/L		1		E200.7	04/18/07 17:23 / ts
Magnesium	782	mg/L	D	1		E200.7	04/18/07 17:26 / ts
Nitrogen, Ammonia as N	0.64	mg/L		0.05		A4500-NH3 G	04/17/07 11:06 / jal
Nitrogen, Nitrate+Nitrite as N	75	mg/L	D	2		E353.2	04/16/07 15:10 / ljl
Potassium	12.2	mg/L		0.5		E200.7	04/18/07 17:23 / ts
Sodium	346	mg/L		0.5		E200.7	04/18/07 17:23 / ts
Sulfate	3290	mg/L	D	2		E200.7	04/18/07 17:26 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.64	s.u.		0.01		A4500-H B	04/14/07 08:45 / jaj
Solids, Total Dissolved TDS @ 180 C	7190	mg/L		10		A2540 C	04/14/07 12:31 / jaj
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	04/17/07 19:22 / sml
Beryllium	ND	mg/L		0.01		E200.8	04/17/07 19:22 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/17/07 19:22 / sml
Cobalt	ND	mg/L		0.01		E200.8	04/17/07 19:22 / sml
Lead	ND	mg/L		0.05		E200.8	04/17/07 19:22 / sml
Manganese	2.13	mg/L		0.01		E200.8	04/17/07 19:22 / sml
Molybdenum	ND	mg/L		0.1		E200.8	04/17/07 19:22 / sml
Nickel	ND	mg/L		0.05		E200.8	04/17/07 19:22 / sml
Uranium	0.0825	mg/L		0.0003		E200.8	04/17/07 19:22 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/17/07 19:22 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	05/03/07 09:26 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	05/01/07 15:52 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	1.4	pCi/L		1.0		E900.1	05/31/07 15:34 / res
Gross Alpha minus Rn & U Precision (±)	0.7	pCi/L				E900.1	05/31/07 15:34 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/16/07 12:00 / plj
Radium 226	0.6	pCi/L		0.2		E903.0	04/30/07 10:18 / trs
Radium 226 precision (±)	0.4	pCi/L				E903.0	04/30/07 10:18 / trs
Radium 228	ND	pCi/L		1.0		RA-05	04/25/07 12:00 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	04/24/07 15:00 / dmf

Report: RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.





LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-009  
 Client Sample ID: 632

Report Date: 06/05/07  
 Collection Date: 04/09/07 14:50  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	-0.881	%				Calculation	04/19/07 11:45 / bws
Anions	112	meq/L				Calculation	04/19/07 11:45 / bws
Cations	110	meq/L				Calculation	04/19/07 11:45 / bws
Solids, Total Dissolved Calculated	6580	mg/L				Calculation	04/19/07 11:45 / bws
TDS Balance (0.80 - 1.20)	1.09	dec. %				Calculation	04/19/07 11:45 / bws
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/18/07 00:41 / jlr
Bromoform	ND	ug/L		0.50		E624	04/18/07 00:41 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/18/07 00:41 / jlr
Chloroform	2.59	ug/L		0.50		E624	04/18/07 00:41 / jlr
Trihalomethanes, Total	2.59	ug/L		0.50		E624	04/18/07 00:41 / jlr
Surr: 1,2-Dichlorobenzene-d4	100	%REC			80-120	E624	04/18/07 00:41 / jlr
Surr: Dibromofluoromethane	110	%REC			80-120	E624	04/18/07 00:41 / jlr
Surr: p-Bromofluorobenzene	97.0	%REC			80-120	E624	04/18/07 00:41 / jlr
Surr: Toluene-d8	98.0	%REC			80-120	E624	04/18/07 00:41 / jlr

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



**UNC Mining and Milling ChurchRock Operations**  
**GroundWater Monitoring Summary: Alluvium Monitor Wells**

Well ID:	632	632	632	632	
Collection Date:	4/9/2007	1/8/2007	10/2/2006	7/17/2006	
Receive Date:	4/11/2007	1/12/2007	10/6/2006	7/21/2006	
Report Date:	6/5/2007	2/22/2007	11/8/2006	8/21/2006	
Analyte	Units	C07040656-009	C07010481-008	C06100367-008	C06070992-008
Bicarbonate as HCO3	mg/L	1930	1890	1920	1880
Calcium	mg/L	608	629	616	644
Chloride	mg/L	240	236	188	241
Magnesium	mg/L	782	813	784	829
Nitrogen, Ammonia as N	mg/L	0.64	0.75	0.73	0.58
Nitrogen, Nitrate+Nitrite as N	mg/L	75	69.5	64.9	67.5
Potassium	mg/L	12.2	11.2	10.3	10.5
Sodium	mg/L	346	368	357	418
Sulfate	mg/L	3290	3420	3230	3590
pH	s. u.	6.64	6.66	6.66	6.63
Solids, Total Dissolved TDS @ 180 C	mg/L	7190	7430	7120	7070
Aluminum	mg/L	ND(0.1)	ND(0.1)	0.2	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	2.13	1.98	2.00	1.98
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0825	0.0798	0.0767	0.0830
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	1.4	1.0	ND(1.0)	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.7	0.5		
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	0.6	0.8	1.0	0.9
Radium 226 precision (±)	pCi/L	0.4	0.3	0.4	0.3
Radium 228	pCi/L	ND(1.0)	ND(1.0)	1.6	4.3
Radium 228 precision (±)	pCi/L			0.7	0.9
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	-0.881	0.460	1.15	0.764
Anions	meq/L	112	114	109	117
Cations	meq/L	110	115	111	119
Solids, Total Dissolved Calculated	mg/L	6580	6730	6420	6980
TDS Balance (0.80 - 1.20)	dec. %	1.09	1.10	1.11	1.01
Trihalomethanes, Total	ug/L	2.59	3.02	2.89	NA
Chloroform	ug/L	2.59	3.02	2.89	2.9

**\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.**



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-006  
 Client Sample ID: 801

Report Date: 02/22/07  
 Collection Date: 01/08/07 13:56  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	1430	mg/L		1		A2320 B	01/15/07 09:47 / jaj
Calcium	557	mg/L	D	0.6		E200.7	01/15/07 18:09 / ts
Chloride	191	mg/L		1		E200.7	01/15/07 17:56 / ts
Magnesium	681	mg/L	D	0.5		E200.7	01/15/07 18:09 / ts
Nitrogen, Ammonia as N	2.7	mg/L	D	0.1		A4500-NH3 G	01/15/07 12:05 / jal
Nitrogen, Nitrate+Nitrite as N	1.4	mg/L		0.1		E353.2	01/16/07 14:13 / jal
Potassium	12.8	mg/L		0.5		E200.7	01/15/07 17:56 / ts
Sodium	307	mg/L		0.5		E200.7	01/15/07 17:56 / ts
Sulfate	3220	mg/L	D	8		E200.7	01/15/07 18:09 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.81	s.u.		0.01		A4500-H B	01/15/07 10:25 / ljl
Solids, Total Dissolved TDS @ 180 C	6420	mg/L		10		A2540 C	01/15/07 15:37 / lm
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	01/13/07 00:24 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/13/07 00:24 / bws
Cadmium	ND	mg/L		0.005		E200.8	01/13/07 00:24 / bws
Cobalt	ND	mg/L		0.01		E200.8	01/13/07 00:24 / bws
Lead	ND	mg/L		0.05		E200.8	01/13/07 00:24 / bws
Manganese	3.69	mg/L		0.01		E200.8	01/13/07 00:24 / bws
Molybdenum	ND	mg/L		0.1		E200.8	01/13/07 00:24 / bws
Nickel	ND	mg/L		0.05		E200.8	01/13/07 00:24 / bws
Uranium	0.0395	mg/L		0.0003		E200.8	01/13/07 00:24 / bws
Vanadium	ND	mg/L		0.1		E200.8	01/13/07 00:24 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	01/16/07 13:12 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	01/16/07 09:14 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	01/24/07 23:42 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/19/07 11:00 / plj
Radium 226	0.5	pCi/L		0.2		E903.0	01/29/07 10:22 / trs
Radium 226 precision (±)	0.2	pCi/L				E903.0	01/29/07 10:22 / trs
Radium 228	1.6	pCi/L		1.0		RA-05	01/22/07 15:21 / plj
Radium 228 precision (±)	0.8	pCi/L				RA-05	01/22/07 15:21 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/22/07 15:00 / dmf

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-006  
 Client Sample ID: 801

Report Date: 02/22/07  
 Collection Date: 01/08/07 13:56  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	1.04	%				Calculation	02/20/07 15:20 / ks
Anions	96.0	meq/L				Calculation	02/20/07 15:20 / ks
Cations	98.0	meq/L				Calculation	02/20/07 15:20 / ks
Solids, Total Dissolved Calculated	5700	mg/L				Calculation	02/20/07 15:20 / ks
TDS Balance (0.80 - 1.20)	1.13	dec. %				Calculation	02/20/07 15:20 / ks
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/15/07 22:58 / jlr
Bromoform	ND	ug/L		0.50		E624	01/15/07 22:58 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	01/15/07 22:58 / jlr
Chloroform	2.33	ug/L		0.50		E624	01/15/07 22:58 / jlr
Trihalomethanes, Total	2.33	ug/L		0.50		E624	01/15/07 22:58 / jlr
Surr: 1,2-Dichlorobenzene-d4	92.0	%REC			80-120	E624	01/15/07 22:58 / jlr
Surr: Dibromofluoromethane	100	%REC			80-120	E624	01/15/07 22:58 / jlr
Surr: p-Bromofluorobenzene	98.0	%REC			80-120	E624	01/15/07 22:58 / jlr
Surr: Toluene-d8	92.0	%REC			80-120	E624	01/15/07 22:58 / jlr

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-006  
 Client Sample ID: 801

Report Date: 06/05/07  
 Collection Date: 04/09/07 13:23  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	1430	mg/L		1		A2320 B	04/14/07 11:33 / jaj
Calcium	539	mg/L	D	1		E200.7	04/18/07 16:39 / ts
Chloride	199	mg/L		1		E200.7	04/18/07 16:36 / ts
Magnesium	663	mg/L	D	1		E200.7	04/18/07 16:39 / ts
Nitrogen, Ammonia as N	3.10	mg/L		0.05		A4500-NH <sub>3</sub> G	04/17/07 10:54 / jal
Nitrogen, Nitrate+Nitrite as N	1.0	mg/L		0.1		E353.2	04/16/07 15:00 / ljl
Potassium	14.0	mg/L		0.5		E200.7	04/18/07 16:36 / ts
Sodium	304	mg/L		0.5		E200.7	04/18/07 16:36 / ts
Sulfate	3170	mg/L	D	2		E200.7	04/18/07 16:39 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.70	s.u.		0.01		A4500-H B	04/14/07 08:42 / jaj
Solids, Total Dissolved TDS @ 180 C	5950	mg/L		10		A2540 C	04/14/07 12:31 / jaj
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	04/17/07 18:59 / sml
Beryllium	ND	mg/L		0.01		E200.8	04/17/07 18:59 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/17/07 18:59 / sml
Cobalt	ND	mg/L		0.01		E200.8	04/17/07 18:59 / sml
Lead	ND	mg/L		0.05		E200.8	04/17/07 18:59 / sml
Manganese	3.63	mg/L		0.01		E200.8	04/17/07 18:59 / sml
Molybdenum	ND	mg/L		0.1		E200.8	04/17/07 18:59 / sml
Nickel	ND	mg/L		0.05		E200.8	04/17/07 18:59 / sml
Uranium	0.0404	mg/L		0.0003		E200.8	04/17/07 18:59 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/17/07 18:59 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	05/03/07 09:19 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	05/01/07 15:45 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	1.2	pCi/L		1.0		E900.1	04/27/07 14:41 / res
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	04/27/07 14:41 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/16/07 12:00 / plj
Radium 226	ND	pCi/L		0.2		E903.0	04/30/07 10:18 / trs
Radium 228	ND	pCi/L		1.0		RA-05	04/25/07 10:08 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	04/24/07 15:00 / dmf
<b>DATA QUALITY</b>							
A/C Balance (± 5)	0.207	%				Calculation	04/19/07 11:44 / bws
Anions	95.1	meq/L				Calculation	04/19/07 11:44 / bws
Cations	95.5	meq/L				Calculation	04/19/07 11:44 / bws
Solids, Total Dissolved Calculated	5620	mg/L				Calculation	04/19/07 11:44 / bws
TDS Balance (0.80 - 1.20)	1.06	dec. %				Calculation	04/19/07 11:44 / bws

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-006  
 Client Sample ID: 801

Report Date: 06/05/07  
 Collection Date: 04/09/07 13:23  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/17/07 22:33 / jlr
Bromoform	ND	ug/L		0.50		E624	04/17/07 22:33 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/17/07 22:33 / jlr
Chloroform	2.06	ug/L		0.50		E624	04/17/07 22:33 / jlr
Trihalomethanes, Total	2.06	ug/L		0.50		E624	04/17/07 22:33 / jlr
Surr: 1,2-Dichlorobenzene-d4	102	%REC			80-120	E624	04/17/07 22:33 / jlr
Surr: Dibromofluoromethane	113	%REC			80-120	E624	04/17/07 22:33 / jlr
Surr: p-Bromofluorobenzene	97.0	%REC			80-120	E624	04/17/07 22:33 / jlr
Surr: Toluene-d8	99.0	%REC			80-120	E624	04/17/07 22:33 / jlr

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



**UNC Mining and Milling ChurchRock Operations**  
**GroundWater Monitoring Summary: Alluvium Monitor Wells**

Well ID:	801	801	801	801	
Collection Date:	4/9/2007	1/8/2007	10/2/2006	7/17/2006	
Receive Date:	4/11/2007	1/10/2007	10/6/2006	7/21/2006	
Report Date:	6/5/2007	2/21/2007	11/8/2006	8/21/2006	
Analyte	Units	C07040656-006	C07010481-006	C06100367-006	C06070992-006
Bicarbonate as HCO3	mg/L	1430	1430	1810	1420
Calcium	mg/L	539	557	583	577
Chloride	mg/L	199	191	192	204
Magnesium	mg/L	663	681	692	687
Nitrogen, Ammonia as N	mg/L	3.10	2.7	3.15	2.86
Nitrogen, Nitrate+Nitrite as N	mg/L	1.0	1.4	1.0	0.3
Potassium	mg/L	14.0	12.8	12.4	12.5
Sodium	mg/L	304	307	343	352
Sulfate	mg/L	3170	3220	3270	3360
pH	s.u.	6.70	6.81	6.96	6.68
Solids, Total Dissolved TDS @ 180 C	mg/L	5950	6420	6180	6270
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	3.63	3.69	3.65	3.64
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0404	0.0395	0.0407	0.0420
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	1.2	ND(1.0)	ND(1.0)	1.1
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.5			0.8
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	ND(0.2)	0.5	0.5	0.6
Radium 226 precision (±)	pCi/L		0.2	0.3	0.3
Radium 228	pCi/L	ND(1.0)	1.6	2.5	ND(1.0)
Radium 228 precision (±)	pCi/L		0.8	0.7	
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	0.207	1.04	2.86	1.28
Anions	meq/L	95.1	96.0	92.8	98.9
Cations	meq/L	95.5	98.0	98.3	101
Solids, Total Dissolved Calculated	mg/L	5620	5700	5440	5910
TDS Balance (0.80 - 1.20)	dec. %	1.06	1.13	1.14	1.06
Trihalomethanes, Total	ug/L	2.06	2.33	2.17	NA
Chloroform	ug/L	2.06	2.33	2.17	2.8

**\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.**



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-005  
 Client Sample ID: 802

Report Date: 02/22/07  
 Collection Date: 01/08/07 13:29  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO3	2150	mg/L		1		A2320 B	01/15/07 09:44 / jaj
Calcium	621	mg/L	D	0.6		E200.7	01/15/07 17:52 / ts
Chloride	189	mg/L		1		E200.7	01/15/07 17:49 / ts
Magnesium	936	mg/L	D	0.5		E200.7	01/15/07 17:52 / ts
Nitrogen, Ammonia as N	1.68	mg/L		0.05		A4500-NH3 G	01/15/07 12:03 / jal
Nitrogen, Nitrate+Nitrite as N	102	mg/L	D	2		E353.2	01/16/07 14:10 / jal
Potassium	8.1	mg/L		0.5		E200.7	01/15/07 17:49 / ts
Sodium	327	mg/L		0.5		E200.7	01/15/07 17:49 / ts
Sulfate	3610	mg/L	D	8		E200.7	01/15/07 17:52 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.72	s.u.		0.01		A4500-H B	01/15/07 10:24 / ljl
Solids, Total Dissolved TDS @ 180 C	8250	mg/L		10		A2540 C	01/15/07 15:36 / lm
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	01/13/07 00:17 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/13/07 00:17 / bws
Cadmium	ND	mg/L		0.005		E200.8	01/13/07 00:17 / bws
Cobalt	ND	mg/L		0.01		E200.8	01/13/07 00:17 / bws
Lead	ND	mg/L		0.05		E200.8	01/13/07 00:17 / bws
Manganese	0.81	mg/L		0.01		E200.8	01/13/07 00:17 / bws
Molybdenum	ND	mg/L		0.1		E200.8	01/13/07 00:17 / bws
Nickel	ND	mg/L		0.05		E200.8	01/13/07 00:17 / bws
Uranium	0.146	mg/L		0.0003		E200.8	01/13/07 00:17 / bws
Vanadium	ND	mg/L		0.1		E200.8	01/13/07 00:17 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	01/16/07 13:10 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	01/16/07 09:12 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	01/24/07 22:41 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/19/07 11:00 / plj
Radium 226	0.3	pCi/L		0.2		E903.0	01/29/07 10:22 / trs
Radium 226 precision (±)	0.2	pCi/L				E903.0	01/29/07 10:22 / trs
Radium 228	ND	pCi/L		1.0		RA-05	01/22/07 15:21 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/22/07 15:00 / dmf

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.





LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-005  
 Client Sample ID: 802

Report Date: 02/22/07  
 Collection Date: 01/08/07 13:29  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	-0.137	%				Calculation	02/20/07 15:20 / ks
Anions	123	meq/L				Calculation	02/20/07 15:20 / ks
Cations	123	meq/L				Calculation	02/20/07 15:20 / ks
Solids, Total Dissolved Calculated	7200	mg/L				Calculation	02/20/07 15:20 / ks
TDS Balance (0.80 - 1.20)	1.15	dec. %				Calculation	02/20/07 15:20 / ks
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/15/07 18:33 / jlr
Bromoform	ND	ug/L		0.50		E624	01/15/07 18:33 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	01/15/07 18:33 / jlr
Chloroform	11.2	ug/L		0.50		E624	01/15/07 18:33 / jlr
Trihalomethanes, Total	11.2	ug/L		0.50		E624	01/15/07 18:33 / jlr
Surr: 1,2-Dichlorobenzene-d4	97.0	%REC			80-120	E624	01/15/07 18:33 / jlr
Surr: Dibromofluoromethane	102	%REC			80-120	E624	01/15/07 18:33 / jlr
Surr: p-Bromofluorobenzene	98.0	%REC			80-120	E624	01/15/07 18:33 / jlr
Surr: Toluene-d8	98.0	%REC			80-120	E624	01/15/07 18:33 / jlr

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-005  
 Client Sample ID: 802

Report Date: 06/05/07  
 Collection Date: 04/09/07 11:24  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO3	2180	mg/L		1		A2320 B	04/14/07 11:31 / jaj
Calcium	624	mg/L	D	1		E200.7	04/18/07 16:33 / ts
Chloride	197	mg/L		1		E200.7	04/18/07 16:29 / ts
Magnesium	946	mg/L	D	1		E200.7	04/18/07 16:33 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	04/17/07 10:51 / jal
Nitrogen, Nitrate+Nitrite as N	103	mg/L	D	2		E353.2	04/16/07 14:57 / ljl
Potassium	9.2	mg/L		0.5		E200.7	04/18/07 16:29 / ts
Sodium	326	mg/L		0.5		E200.7	04/18/07 16:29 / ts
Sulfate	3610	mg/L	D	2		E200.7	04/18/07 16:33 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.75	s.u.		0.01		A4500-H B	04/14/07 08:41 / jaj
Solids, Total Dissolved TDS @ 180 C	7690	mg/L		10		A2540 C	04/14/07 12:31 / jaj
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	04/17/07 18:52 / sml
Beryllium	ND	mg/L		0.01		E200.8	04/17/07 18:52 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/17/07 18:52 / sml
Cobalt	ND	mg/L		0.01		E200.8	04/17/07 18:52 / sml
Lead	ND	mg/L		0.05		E200.8	04/17/07 18:52 / sml
Manganese	0.87	mg/L		0.01		E200.8	04/17/07 18:52 / sml
Molybdenum	ND	mg/L		0.1		E200.8	04/17/07 18:52 / sml
Nickel	ND	mg/L		0.05		E200.8	04/17/07 18:52 / sml
Uranium	0.148	mg/L	D	0.0004		E200.8	04/17/07 18:52 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/17/07 18:52 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	05/03/07 09:17 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	05/01/07 15:43 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	04/27/07 14:41 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/16/07 12:00 / plj
Radium 226	ND	pCi/L		0.2		E903.0	04/30/07 10:18 / trs
Radium 228	ND	pCi/L		1.0		RA-05	04/25/07 10:08 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	04/24/07 15:00 / dmf
<b>DATA QUALITY</b>							
A/C Balance (± 5)	-0.137	%				Calculation	04/19/07 11:43 / bws
Anions	124	meq/L				Calculation	04/19/07 11:43 / bws
Cations	123	meq/L				Calculation	04/19/07 11:43 / bws
Solids, Total Dissolved Calculated	7260	mg/L				Calculation	04/19/07 11:43 / bws
TDS Balance (0.80 - 1.20)	1.06	dec. %				Calculation	04/19/07 11:43 / bws

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-005  
 Client Sample ID: 802

Report Date: 06/05/07  
 Collection Date: 04/09/07 11:24  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/17/07 17:39 / jlr
Bromoform	ND	ug/L		0.50		E624	04/17/07 17:39 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/17/07 17:39 / jlr
Chloroform	15.5	ug/L		0.50		E624	04/17/07 17:39 / jlr
Trihalomethanes, Total	15.5	ug/L		0.50		E624	04/17/07 17:39 / jlr
Surr: 1,2-Dichlorobenzene-d4	102	%REC			80-120	E624	04/17/07 17:39 / jlr
Surr: Dibromofluoromethane	123	%REC	S		80-120	E624	04/17/07 17:39 / jlr
Surr: p-Bromofluorobenzene	102	%REC			80-120	E624	04/17/07 17:39 / jlr
Surr: Toluene-d8	101	%REC			80-120	E624	04/17/07 17:39 / jlr

- S=Surrogate recovery outside QC advisory limits. Since the remainder of the QA is acceptable, the batch is approved.

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



**UNC Mining and Milling ChurchRock Operations**  
**GroundWater Monitoring Summary: Alluvium Monitor Wells**

Well ID:	802	802	802	802	
Collection Date:	4/9/2007	1/8/2007	10/2/2006	7/17/2006	
Receive Date:	4/11/2007	1/10/2007	10/6/2006	7/21/2006	
Report Date:	6/5/2007	2/21/2007	11/8/2006	8/21/2006	
Analyte	Units	C07040656-005	C07010481-005	C06100367-005	C06070992-005
Bicarbonate as HCO3	mg/L	2180	2150	2320	2250
Calcium	mg/L	624	621	657	648
Chloride	mg/L	197	189	160	215
Magnesium	mg/L	946	936	988	1080
Nitrogen, Ammonia as N	mg/L	ND(0.05)	1.68	0.13	0.06
Nitrogen, Nitrate+Nitrite as N	mg/L	103	102	108	100
Potassium	mg/L	9.2	8.1	7.4	7.8
Sodium	mg/L	326	327	354	388
Sulfate	mg/L	3610	3610	3750	4330
pH	s.u.	6.75	6.72	6.72	6.95
Solids, Total Dissolved TDS @ 180 C	mg/L	7690	8250	8050	8210
Aluminum	mg/L	ND(0.1)	ND(0.1)	0.2	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	0.87	0.81	0.82	0.84
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.148	0.146	0.146	0.167
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L				
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	ND(0.2)	0.3	0.4	0.3
Radium 226 precision (±)	pCi/L		0.2	0.3	0.2
Radium 228	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Radium 228 precision (±)	pCi/L				
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	-0.137	-0.137	0.593	-0.604
Anions	meq/L	124	123	128	140
Cations	meq/L	123	123	130	139
Solids, Total Dissolved Calculated	mg/L	7260	7200	7530	8240
TDS Balance (0.80 - 1.20)	dec. %	1.06	1.15	1.07	1.00
Trihalomethanes, Total	ug/L	15.5	11.2	9.60	NA
Chloroform	ug/L	15.5	11.2	9.60	11.6

**\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.**



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-003  
 Client Sample ID: 803

Report Date: 02/22/07  
 Collection Date: 01/08/07 11:00  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	1780	mg/L		1		A2320 B	01/15/07 09:38 / jaj
Calcium	646	mg/L	D	0.6		E200.7	01/15/07 17:39 / ts
Chloride	156	mg/L		1		E200.7	01/15/07 17:35 / ts
Magnesium	689	mg/L	D	0.5		E200.7	01/15/07 17:39 / ts
Nitrogen, Ammonia as N	1.66	mg/L		0.05		A4500-NH <sub>3</sub> G	01/15/07 11:59 / jal
Nitrogen, Nitrate+Nitrite as N	52	mg/L	D	2		E353.2	01/16/07 14:00 / jal
Potassium	11.8	mg/L		0.5		E200.7	01/15/07 17:35 / ts
Sodium	248	mg/L		0.5		E200.7	01/15/07 17:35 / ts
Sulfate	3000	mg/L	D	8		E200.7	01/15/07 17:39 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.96	s.u.		0.01		A4500-H B	01/13/07 13:59 / ljl
Solids, Total Dissolved TDS @ 180 C	6800	mg/L		10		A2540 C	01/15/07 15:35 / lm
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	01/13/07 00:02 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/13/07 00:02 / bws
Cadmium	ND	mg/L		0.005		E200.8	01/13/07 00:02 / bws
Cobalt	ND	mg/L		0.01		E200.8	01/13/07 00:02 / bws
Lead	ND	mg/L		0.05		E200.8	01/13/07 00:02 / bws
Manganese	1.94	mg/L		0.01		E200.8	01/13/07 00:02 / bws
Molybdenum	ND	mg/L		0.1		E200.8	01/13/07 00:02 / bws
Nickel	ND	mg/L		0.05		E200.8	01/13/07 00:02 / bws
Uranium	0.126	mg/L		0.0003		E200.8	01/13/07 00:02 / bws
Vanadium	ND	mg/L		0.1		E200.8	01/13/07 00:02 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	01/16/07 13:06 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	01/16/07 09:08 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	01/24/07 20:40 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/19/07 11:00 / plj
Radium 226	ND	pCi/L		0.2		E903.0	01/29/07 10:22 / trs
Radium 228	ND	pCi/L		1.0		RA-05	01/22/07 15:21 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/22/07 15:00 / dmf
<b>DATA QUALITY</b>							
A/C Balance (± 5)	0.195	%				Calculation	02/20/07 15:17 / ks
Anions	99.9	meq/L				Calculation	02/20/07 15:17 / ks
Cations	100	meq/L				Calculation	02/20/07 15:17 / ks
Solids, Total Dissolved Calculated	5880	mg/L				Calculation	02/20/07 15:17 / ks
TDS Balance (0.80 - 1.20)	1.16	dec. %				Calculation	02/20/07 15:17 / ks

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

D - RL increased due to sample matrix interference.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-003  
 Client Sample ID: 803

Report Date: 02/22/07  
 Collection Date: 01/08/07 11:00  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/15/07 17:17 / jlr
Bromoform	ND	ug/L		0.50		E624	01/15/07 17:17 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	01/15/07 17:17 / jlr
Chloroform	3.09	ug/L		0.50		E624	01/15/07 17:17 / jlr
Trihalomethanes, Total	3.09	ug/L		0.50		E624	01/15/07 17:17 / jlr
Surr: 1,2-Dichlorobenzene-d4	94.0	%REC			80-120	E624	01/15/07 17:17 / jlr
Surr: Dibromofluoromethane	104	%REC			80-120	E624	01/15/07 17:17 / jlr
Surr: p-Bromofluorobenzene	94.0	%REC			80-120	E624	01/15/07 17:17 / jlr
Surr: Toluene-d8	96.0	%REC			80-120	E624	01/15/07 17:17 / jlr

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-003  
 Client Sample ID: 803

Report Date: 06/05/07  
 Collection Date: 04/09/07 10:44  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO3	1830	mg/L		1		A2320 B	04/14/07 11:19 / jaj
Calcium	652	mg/L	D	1		E200.7	04/18/07 16:19 / ts
Chloride	167	mg/L		1		E200.7	04/18/07 16:16 / ts
Magnesium	720	mg/L	D	1		E200.7	04/18/07 16:19 / ts
Nitrogen, Ammonia as N	1.47	mg/L		0.05		A4500-NH3 G	04/17/07 10:42 / jaj
Nitrogen, Nitrate+Nitrite as N	52	mg/L	D	2		E353.2	04/16/07 14:55 / ljl
Potassium	13.3	mg/L		0.5		E200.7	04/18/07 16:16 / ts
Sodium	257	mg/L		0.5		E200.7	04/18/07 16:16 / ts
Sulfate	3110	mg/L	D	2		E200.7	04/18/07 16:19 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.67	s.u.		0.01		A4500-H B	04/14/07 08:38 / jaj
Solids, Total Dissolved TDS @ 180 C	6460	mg/L		10		A2540 C	04/14/07 12:30 / jaj
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	04/17/07 16:14 / sml
Beryllium	ND	mg/L		0.01		E200.8	04/17/07 16:14 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/17/07 16:14 / sml
Cobalt	ND	mg/L		0.01		E200.8	04/17/07 16:14 / sml
Lead	ND	mg/L		0.05		E200.8	04/17/07 16:14 / sml
Manganese	2.16	mg/L		0.01		E200.8	04/17/07 16:14 / sml
Molybdenum	ND	mg/L		0.1		E200.8	04/17/07 16:14 / sml
Nickel	ND	mg/L		0.05		E200.8	04/17/07 16:14 / sml
Uranium	0.124	mg/L		0.0003		E200.8	04/17/07 16:14 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/17/07 16:14 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	04/26/07 13:39 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	04/25/07 16:26 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	1.1	pCi/L		1.0		E900.1	04/27/07 14:41 / res
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	04/27/07 14:41 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/16/07 12:00 / plj
Radium 226	ND	pCi/L		0.2		E903.0	04/30/07 10:18 / trs
Radium 228	ND	pCi/L		1.0		RA-05	04/25/07 10:08 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	04/24/07 15:00 / dmf
<b>DATA QUALITY</b>							
A/C Balance (± 5)	0.196	%				Calculation	04/19/07 11:43 / bws
Anions	103	meq/L				Calculation	04/19/07 11:43 / bws
Cations	104	meq/L				Calculation	04/19/07 11:43 / bws
Solids, Total Dissolved Calculated	6070	mg/L				Calculation	04/19/07 11:43 / bws
TDS Balance (0.80 - 1.20)	1.06	dec. %				Calculation	04/19/07 11:43 / bws

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-003  
 Client Sample ID: 803

Report Date: 06/05/07  
 Collection Date: 04/09/07 10:44  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/17/07 15:34 / jlr
Bromoform	ND	ug/L		0.50		E624	04/17/07 15:34 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/17/07 15:34 / jlr
Chloroform	3.15	ug/L		0.50		E624	04/17/07 15:34 / jlr
Trihalomethanes, Total	3.15	ug/L		0.50		E624	04/17/07 15:34 / jlr
Surr: 1,2-Dichlorobenzene-d4	102	%REC			80-120	E624	04/17/07 15:34 / jlr
Surr: Dibromofluoromethane	116	%REC			80-120	E624	04/17/07 15:34 / jlr
Surr: p-Bromofluorobenzene	99.0	%REC			80-120	E624	04/17/07 15:34 / jlr
Surr: Toluene-d8	100	%REC			80-120	E624	04/17/07 15:34 / jlr

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.





**UNC Mining and Milling ChurchRock Operations**  
**GroundWater Monitoring Summary: Alluvium Monitor Wells**

Well ID:	803	803	803	803	
Collection Date:	4/9/2007	1/8/2007	10/2/2006	7/17/2006	
Receive Date:	4/11/2007	1/10/2007	10/6/2006	7/21/2006	
Report Date:	6/5/2007	2/21/2007	11/8/2006	8/21/2006	
Analyte	Units	C07040656-003	C07010481-003	C06100367-003	C06070992-003
Bicarbonate as HCO3	mg/L	1830	1780	1860	1810
Calcium	mg/L	652	646	662	655
Chloride	mg/L	167	156	134	174
Magnesium	mg/L	720	689	710	776
Nitrogen, Ammonia as N	mg/L	1.47	1.66	1.41	1.33
Nitrogen, Nitrate+Nitrite as N	mg/L	52	52	51.8	50.3
Potassium	mg/L	13.3	11.8	11.6	12.6
Sodium	mg/L	257	248	261	298
Sulfate	mg/L	3110	3000	3070	3520
pH	s.u.	6.67	6.96	6.66	6.83
Solids, Total Dissolved TDS @ 180 C	mg/L	6460	6800	6770	6490
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	2.16	1.94	2.08	2.05
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.124	0.126	0.125	0.139
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	1.1	ND(1.0)	ND(1.0)	1.0
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.5			0.8
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	0.5
Radium 226 precision (±)	pCi/L				0.2
Radium 228	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	2.0
Radium 228 precision (±)	pCi/L				0.8
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	0.196	0.195	0.774	-0.607
Anions	meq/L	103	99.9	102	111
Cations	meq/L	104	100	103	110
Solids, Total Dissolved Calculated	mg/L	6070	5880	5990	6570
TDS Balance (0.80 - 1.20)	dec. %	1.06	1.16	1.13	0.990
Trihalomethanes, Total	ug/L	3.15	3.09	2.51	NA
Chloroform	ug/L	3.15	3.09	2.51	2.8

**\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.**



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-004  
 Client Sample ID: 808

Report Date: 02/22/07  
 Collection Date: 01/08/07 11:30  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO3	1760	mg/L		1		A2320 B	01/15/07 09:41 / jaj
Calcium	614	mg/L	D	0.6		E200.7	01/15/07 17:46 / ts
Chloride	141	mg/L		1		E200.7	01/15/07 17:42 / ts
Magnesium	539	mg/L	D	0.5		E200.7	01/15/07 17:46 / ts
Nitrogen, Ammonia as N	0.12	mg/L		0.05		A4500-NH3 G	01/15/07 12:01 / jal
Nitrogen, Nitrate+Nitrite as N	124	mg/L	D	2		E353.2	01/16/07 14:03 / jal
Potassium	5.2	mg/L		0.5		E200.7	01/15/07 17:42 / ts
Sodium	258	mg/L		0.5		E200.7	01/15/07 17:42 / ts
Sulfate	2310	mg/L	D	8		E200.7	01/15/07 17:46 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.77	s.u.		0.01		A4500-H B	01/15/07 10:22 / ljl
Solids, Total Dissolved TDS @ 180 C	6060	mg/L		10		A2540 C	01/15/07 15:36 / lm
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	01/13/07 00:09 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/13/07 00:09 / bws
Cadmium	ND	mg/L		0.005		E200.8	01/13/07 00:09 / bws
Cobalt	ND	mg/L		0.01		E200.8	01/13/07 00:09 / bws
Lead	ND	mg/L		0.05		E200.8	01/13/07 00:09 / bws
Manganese	0.54	mg/L		0.01		E200.8	01/13/07 00:09 / bws
Molybdenum	ND	mg/L		0.1		E200.8	01/13/07 00:09 / bws
Nickel	ND	mg/L		0.05		E200.8	01/13/07 00:09 / bws
Uranium	0.0992	mg/L		0.0003		E200.8	01/13/07 00:09 / bws
Vanadium	ND	mg/L		0.1		E200.8	01/13/07 00:09 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	01/16/07 13:08 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	01/16/07 09:10 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	01/24/07 21:41 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/19/07 11:00 / plj
Radium 226	ND	pCi/L		0.2		E903.0	01/29/07 10:22 / trs
Radium 228	ND	pCi/L		1.0		RA-05	01/22/07 15:21 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/22/07 15:00 / dmf
<b>DATA QUALITY</b>							
A/C Balance (± 5)	-1.97	%				Calculation	02/20/07 15:19 / ks
Anions	89.9	meq/L				Calculation	02/20/07 15:19 / ks
Cations	86.4	meq/L				Calculation	02/20/07 15:19 / ks
Solids, Total Dissolved Calculated	5300	mg/L				Calculation	02/20/07 15:19 / ks
TDS Balance (0.80 - 1.20)	1.14	dec. %				Calculation	02/20/07 15:19 / ks

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-004  
 Client Sample ID: 808

Report Date: 02/22/07  
 Collection Date: 01/08/07 11:30  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/15/07 17:55 / jlr
Bromoform	ND	ug/L		0.50		E624	01/15/07 17:55 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	01/15/07 17:55 / jlr
Chloroform	6.24	ug/L		0.50		E624	01/15/07 17:55 / jlr
Trihalomethanes, Total	6.24	ug/L		0.50		E624	01/15/07 17:55 / jlr
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC			80-120	E624	01/15/07 17:55 / jlr
Surr: Dibromofluoromethane	102	%REC			80-120	E624	01/15/07 17:55 / jlr
Surr: p-Bromofluorobenzene	88.0	%REC			80-120	E624	01/15/07 17:55 / jlr
Surr: Toluene-d8	95.0	%REC			80-120	E624	01/15/07 17:55 / jlr

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-004  
 Client Sample ID: 808

Report Date: 06/05/07  
 Collection Date: 04/09/07 11:10  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO3	1780	mg/L		1		A2320 B	04/14/07 11:22 / jaj
Calcium	725	mg/L	D	1		E200.7	04/18/07 16:26 / ts
Chloride	182	mg/L		1		E200.7	04/18/07 16:23 / ts
Magnesium	645	mg/L	D	1		E200.7	04/18/07 16:26 / ts
Nitrogen, Ammonia as N	0.05	mg/L		0.05		A4500-NH3 G	04/17/07 10:50 / jal
Nitrogen, Nitrate+Nitrite as N	138	mg/L	D	3		E353.2	04/16/07 13:22 / ljl
Potassium	6.6	mg/L		0.5		E200.7	04/18/07 16:23 / ts
Sodium	274	mg/L		0.5		E200.7	04/18/07 16:23 / ts
Sulfate	2740	mg/L	D	2		E200.7	04/18/07 16:26 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.72	s.u.		0.01		A4500-H B	04/14/07 08:39 / jaj
Solids, Total Dissolved TDS @ 180 C	6220	mg/L		10		A2540 C	04/14/07 12:31 / jaj
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	04/17/07 18:44 / sml
Beryllium	ND	mg/L		0.01		E200.8	04/17/07 18:44 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/17/07 18:44 / sml
Cobalt	ND	mg/L		0.01		E200.8	04/17/07 18:44 / sml
Lead	ND	mg/L		0.05		E200.8	04/17/07 18:44 / sml
Manganese	0.65	mg/L		0.01		E200.8	04/17/07 18:44 / sml
Molybdenum	ND	mg/L		0.1		E200.8	04/17/07 18:44 / sml
Nickel	ND	mg/L		0.05		E200.8	04/17/07 18:44 / sml
Uranium	0.126	mg/L		0.0003		E200.8	04/17/07 18:44 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/17/07 18:44 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	05/03/07 09:15 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	05/01/07 15:41 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	04/27/07 14:41 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/16/07 12:00 / plj
Radium 226	ND	pCi/L		0.2		E903.0	04/30/07 10:18 / trs
Radium 228	ND	pCi/L		1.0		RA-05	04/25/07 10:08 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	04/24/07 15:00 / dmf
<b>DATA QUALITY</b>							
A/C Balance (± 5)	0.097	%				Calculation	04/19/07 11:43 / bws
Anions	101	meq/L				Calculation	04/19/07 11:43 / bws
Cations	101	meq/L				Calculation	04/19/07 11:43 / bws
Solids, Total Dissolved Calculated	6080	mg/L				Calculation	04/19/07 11:43 / bws
TDS Balance (0.80 - 1.20)	1.02	dec. %				Calculation	04/19/07 11:43 / bws

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-004  
 Client Sample ID: 808

Report Date: 06/05/07  
 Collection Date: 04/09/07 11:10  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/17/07 16:16 / jlr
Bromoform	ND	ug/L		0.50		E624	04/17/07 16:16 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/17/07 16:16 / jlr
Chloroform	7.08	ug/L		0.50		E624	04/17/07 16:16 / jlr
Trihalomethanes, Total	7.08	ug/L		0.50		E624	04/17/07 16:16 / jlr
Surr: 1,2-Dichlorobenzene-d4	100	%REC			80-120	E624	04/17/07 16:16 / jlr
Surr: Dibromofluoromethane	117	%REC			80-120	E624	04/17/07 16:16 / jlr
Surr: p-Bromofluorobenzene	100	%REC			80-120	E624	04/17/07 16:16 / jlr
Surr: Toluene-d8	101	%REC			80-120	E624	04/17/07 16:16 / jlr

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



UNC Mining and Milling ChurchRock Operations  
 GroundWater Monitoring Summary: Alluvium Monitor Wells

Well ID:	808	808	808	808	
Collection Date:	4/9/2007	1/8/2007	10/2/2006	7/17/2006	
Receive Date:	4/11/2007	1/12/2007	10/6/2006	7/21/2006	
Report Date:	6/5/2007	2/21/2007	11/8/2006	8/21/2006	
Analyte	Units	C07040656-004	C07010481-004	C06100367-004	C06070992-004
Bicarbonate as HCO <sub>3</sub>	mg/L	1780	1760	1780	1800
Calcium	mg/L	725	614	733	732
Chloride	mg/L	182	141	131	180
Magnesium	mg/L	645	539	639	693
Nitrogen, Ammonia as N	mg/L	0.05	0.12	0.11	ND(0.05)
Nitrogen, Nitrate+Nitrite as N	mg/L	138	124	129	126
Potassium	mg/L	6.6	5.2	5.4	5.9
Sodium	mg/L	274	258	271	324
Sulfate	mg/L	2740	2310	2710	3080
pH	s.u.	6.72	6.77	6.55	6.97
Solids, Total Dissolved TDS @ 180 C	mg/L	6220	6060	6450	6460
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	0.3
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	0.65	0.54	0.63	0.66
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.126	0.0992	0.120	0.130
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L				
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	0.3
Radium 226 precision (±)	pCi/L				0.2
Radium 228	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	2.1
Radium 228 precision (±)	pCi/L				0.8
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	0.097	-1.97	1.35	0.085
Anions	meq/L	101	89.9	98.4	108
Cations	meq/L	101	86.4	101	108
Solids, Total Dissolved Calculated	mg/L	6080	5300	5930	6480
TDS Balance (0.80 - 1.20)	dec. %	1.02	1.14	1.09	1.00
Trihalomethanes, Total	ug/L	7.08	6.24	6.08	NA
Chloroform	ug/L	7.08	6.24	6.08	6.8

\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-009  
 Client Sample ID: GW-1

Report Date: 02/22/07  
 Collection Date: 01/09/07 09:05  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	1550	mg/L		1		A2320 B	01/15/07 10:03 / jaj
Calcium	698	mg/L	D	0.6		E200.7	01/15/07 18:36 / ts
Chloride	223	mg/L		1		E200.7	01/15/07 18:32 / ts
Magnesium	604	mg/L	D	0.5		E200.7	01/15/07 18:36 / ts
Nitrogen, Ammonia as N	0.38	mg/L		0.05		A4500-NH <sub>3</sub> G	01/15/07 12:17 / jaj
Nitrogen, Nitrate+Nitrite as N	99	mg/L	D	2		E353.2	01/16/07 14:31 / jaj
Potassium	8.1	mg/L		0.5		E200.7	01/15/07 18:32 / ts
Sodium	333	mg/L		0.5		E200.7	01/15/07 18:32 / ts
Sulfate	2830	mg/L	D	8		E200.7	01/15/07 18:36 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.85	s.u.		0.01		A4500-H B	01/15/07 10:29 / ljl
Solids, Total Dissolved TDS @ 180 C	6680	mg/L		10		A2540 C	01/15/07 16:30 / lm
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	01/13/07 02:26 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/13/07 02:26 / bws
Cadmium	ND	mg/L		0.005		E200.8	01/13/07 02:26 / bws
Cobalt	ND	mg/L		0.01		E200.8	01/13/07 02:26 / bws
Lead	ND	mg/L		0.05		E200.8	01/13/07 02:26 / bws
Manganese	0.04	mg/L		0.01		E200.8	01/13/07 02:26 / bws
Molybdenum	ND	mg/L		0.1		E200.8	01/13/07 02:26 / bws
Nickel	ND	mg/L		0.05		E200.8	01/13/07 02:26 / bws
Uranium	0.0936	mg/L		0.0003		E200.8	01/13/07 02:26 / bws
Vanadium	ND	mg/L		0.1		E200.8	01/13/07 02:26 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	01/16/07 13:18 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	01/16/07 09:20 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	01/25/07 02:43 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/19/07 11:00 / plj
Radium 226	0.3	pCi/L		0.2		E903.0	01/29/07 11:31 / trs
Radium 226 precision (±)	0.2	pCi/L				E903.0	01/29/07 11:31 / trs
Radium 228	ND	pCi/L		1.0		RA-05	01/22/07 15:21 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/22/07 15:00 / dmf

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-009  
 Client Sample ID: GW-1

Report Date: 02/22/07  
 Collection Date: 01/09/07 09:05  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	0.786	%				Calculation	02/20/07 15:21 / ks
Anions	97.7	meq/L				Calculation	02/20/07 15:21 / ks
Cations	99.2	meq/L				Calculation	02/20/07 15:21 / ks
Solids, Total Dissolved Calculated	5920	mg/L				Calculation	02/20/07 15:21 / ks
TDS Balance (0.80 - 1.20)	1.13	dec. %				Calculation	02/20/07 15:21 / ks
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/16/07 00:52 / jlr
Bromoform	ND	ug/L		0.50		E624	01/16/07 00:52 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	01/16/07 00:52 / jlr
Chloroform	0.64	ug/L		0.50		E624	01/16/07 00:52 / jlr
Trihalomethanes, Total	0.64	ug/L		0.50		E624	01/16/07 00:52 / jlr
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC			80-120	E624	01/16/07 00:52 / jlr
Surr: Dibromofluoromethane	101	%REC			80-120	E624	01/16/07 00:52 / jlr
Surr: p-Bromofluorobenzene	99.0	%REC			80-120	E624	01/16/07 00:52 / jlr
Surr: Toluene-d8	97.0	%REC			80-120	E624	01/16/07 00:52 / jlr

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.





LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-008  
 Client Sample ID: GW-1

Report Date: 06/05/07  
 Collection Date: 04/09/07 14:22  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO3	1610	mg/L		1		A2320 B	04/14/07 11:38 / jaj
Calcium	704	mg/L	D	1		E200.7	04/18/07 17:20 / ts
Chloride	238	mg/L		1		E200.7	04/18/07 17:16 / ts
Magnesium	604	mg/L	D	1		E200.7	04/18/07 17:20 / ts
Nitrogen, Ammonia as N	0.38	mg/L		0.05		A4500-NH3 G	04/17/07 10:58 / jal
Nitrogen, Nitrate+Nitrite as N	111	mg/L	D	3		E353.2	04/16/07 13:35 / ljl
Potassium	8.5	mg/L		0.5		E200.7	04/18/07 17:16 / ts
Sodium	339	mg/L		0.5		E200.7	04/18/07 17:16 / ts
Sulfate	2850	mg/L	D	2		E200.7	04/18/07 17:20 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.95	s.u.		0.01		A4500-H B	04/14/07 08:44 / jaj
Solids, Total Dissolved TDS @ 180 C	6180	mg/L		10		A2540 C	04/14/07 12:31 / jaj
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	04/17/07 19:14 / sml
Beryllium	ND	mg/L		0.01		E200.8	04/17/07 19:14 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/17/07 19:14 / sml
Cobalt	ND	mg/L		0.01		E200.8	04/17/07 19:14 / sml
Lead	ND	mg/L		0.05		E200.8	04/17/07 19:14 / sml
Manganese	0.04	mg/L		0.01		E200.8	04/17/07 19:14 / sml
Molybdenum	ND	mg/L		0.1		E200.8	04/17/07 19:14 / sml
Nickel	ND	mg/L		0.05		E200.8	04/17/07 19:14 / sml
Uranium	0.0964	mg/L		0.0003		E200.8	04/17/07 19:14 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/17/07 19:14 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	05/03/07 09:23 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	05/01/07 15:50 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	04/27/07 14:41 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/16/07 12:00 / plj
Radium 226	ND	pCi/L		0.2		E903.0	04/30/07 10:18 / trs
Radium 228	ND	pCi/L		1.0		RA-05	04/25/07 10:08 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	04/24/07 15:00 / dmf
<b>DATA QUALITY</b>							
A/C Balance (± 5)	-0.280	%				Calculation	04/19/07 11:45 / bws
Anions	100	meq/L				Calculation	04/19/07 11:45 / bws
Cations	99.8	meq/L				Calculation	04/19/07 11:45 / bws
Solids, Total Dissolved Calculated	6050	mg/L				Calculation	04/19/07 11:45 / bws
TDS Balance (0.80 - 1.20)	1.02	dec. %				Calculation	04/19/07 11:45 / bws

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-008  
 Client Sample ID: GW-1

Report Date: 06/05/07  
 Collection Date: 04/09/07 14:22  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/17/07 23:59 / jlr
Bromoform	ND	ug/L		0.50		E624	04/17/07 23:59 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/17/07 23:59 / jlr
Chloroform	ND	ug/L		0.50		E624	04/17/07 23:59 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	04/17/07 23:59 / jlr
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC			80-120	E624	04/17/07 23:59 / jlr
Surr: Dibromofluoromethane	106	%REC			80-120	E624	04/17/07 23:59 / jlr
Surr: p-Bromofluorobenzene	95.0	%REC			80-120	E624	04/17/07 23:59 / jlr
Surr: Toluene-d8	99.0	%REC			80-120	E624	04/17/07 23:59 / jlr

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



**UNC Mining and Milling ChurchRock Operations**  
**GroundWater Monitoring Summary: Alluvium Monitor Wells**

Well ID:		GW-1	GW-1	GW-1	GW-1
Collection Date:		4/9/2007	1/9/2007	10/3/2006	7/18/2006
Receive Date:		4/11/2007	1/10/2007	10/6/2006	7/21/2006
Report Date:		6/5/2007	2/21/2007	11/8/2006	8/21/2006
Analyte	Units	C07040656-008	C07010481-009	C06100367-009	C06070992-009
Bicarbonate as HCO3	mg/L	1610	1550	1280	1580
Calcium	mg/L	704	698	665	736
Chloride	mg/L	238	223	192	244
Magnesium	mg/L	604	604	581	625
Nitrogen, Ammonia as N	mg/L	0.38	0.38	0.40	0.28
Nitrogen, Nitrate+Nitrite as N	mg/L	111	99	96	111
Potassium	mg/L	8.5	8.1	7.2	7.6
Sodium	mg/L	339	333	353	386
Sulfate	mg/L	2850	2830	2660	2990
pH	s.u.	6.95	6.85	6.91	7.05
Solids, Total Dissolved TDS @ 180 C	mg/L	6180	6680	6330	6310
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	0.04	0.04	0.04	0.04
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0964	0.0936	0.0914	0.0954
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L				
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	ND(0.2)	0.3	ND(0.2)	0.2
Radium 226 precision (±)	pCi/L		0.2		0.2
Radium 228	pCi/L	ND(1.0)	ND(1.0)	1.3	3.0
Radium 228 precision (±)	pCi/L			0.7	0.8
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	-0.280	0.786	4.27	1.12
Anions	meq/L	100	97.7	88.6	103
Cations	meq/L	99.8	99.2	96.6	105
Solids, Total Dissolved Calculated	mg/L	6050	5920	5510	6270
TDS Balance (0.80 - 1.20)	dec. %	1.02	1.13	1.15	1.01
Trihalomethanes, Total	ug/L	ND(0.50)	0.64	0.61	NA
Chloroform	ug/L	ND(0.50)	0.64	0.61	ND(1.0)

**\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.**



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-007  
 Client Sample ID: GW-2

Report Date: 02/22/07  
 Collection Date: 01/08/07 14:26  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	2330	mg/L		1		A2320 B	01/15/07 09:53 / jaj
Calcium	715	mg/L	D	0.6		E200.7	01/15/07 18:22 / ts
Chloride	204	mg/L		1		E200.7	01/15/07 18:19 / ts
Magnesium	785	mg/L	D	0.5		E200.7	01/15/07 18:22 / ts
Nitrogen, Ammonia as N	0.10	mg/L		0.05		A4500-NH3 G	01/15/07 12:07 / jal
Nitrogen, Nitrate+Nitrite as N	7.4	mg/L	D	0.3		E353.2	01/16/07 14:15 / jal
Potassium	13.6	mg/L		0.5		E200.7	01/15/07 18:19 / ts
Sodium	334	mg/L		0.5		E200.7	01/15/07 18:19 / ts
Sulfate	3430	mg/L	D	8		E200.7	01/15/07 18:22 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.64	s.u.		0.01		A4500-H B	01/15/07 10:27 / lji
Solids, Total Dissolved TDS @ 180 C	7500	mg/L		10		A2540 C	01/15/07 16:28 / lm
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	01/13/07 00:32 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/13/07 00:32 / bws
Cadmium	ND	mg/L		0.005		E200.8	01/13/07 00:32 / bws
Cobalt	ND	mg/L		0.01		E200.8	01/13/07 00:32 / bws
Lead	ND	mg/L		0.05		E200.8	01/13/07 00:32 / bws
Manganese	1.01	mg/L		0.01		E200.8	01/13/07 00:32 / bws
Molybdenum	ND	mg/L		0.1		E200.8	01/13/07 00:32 / bws
Nickel	ND	mg/L		0.05		E200.8	01/13/07 00:32 / bws
Uranium	0.115	mg/L		0.0003		E200.8	01/13/07 00:32 / bws
Vanadium	ND	mg/L		0.1		E200.8	01/13/07 00:32 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	01/16/07 13:14 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	01/16/07 09:16 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	01/25/07 00:42 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/19/07 11:00 / plj
Radium 226	ND	pCi/L		0.2		E903.0	01/29/07 11:31 / trs
Radium 228	ND	pCi/L		1.0		RA-05	01/22/07 15:21 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/22/07 15:00 / dmf
<b>DATA QUALITY</b>							
A/C Balance (± 5)	-0.278	%				Calculation	02/20/07 15:20 / ks
Anions	116	meq/L				Calculation	02/20/07 15:20 / ks
Cations	115	meq/L				Calculation	02/20/07 15:20 / ks
Solids, Total Dissolved Calculated	6680	mg/L				Calculation	02/20/07 15:20 / ks
TDS Balance (0.80 - 1.20)	1.12	dec. %				Calculation	02/20/07 15:20 / ks

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-007  
 Client Sample ID: GW-2

Report Date: 02/22/07  
 Collection Date: 01/08/07 14:26  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/15/07 23:36 / jlr
Bromoform	ND	ug/L		0.50		E624	01/15/07 23:36 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	01/15/07 23:36 / jlr
Chloroform	ND	ug/L		0.50		E624	01/15/07 23:36 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	01/15/07 23:36 / jlr
Surr: 1,2-Dichlorobenzene-d4	101	%REC			80-120	E624	01/15/07 23:36 / jlr
Surr: Dibromofluoromethane	104	%REC			80-120	E624	01/15/07 23:36 / jlr
Surr: p-Bromofluorobenzene	98.0	%REC			80-120	E624	01/15/07 23:36 / jlr
Surr: Toluene-d8	102	%REC			80-120	E624	01/15/07 23:36 / jlr

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-007  
 Client Sample ID: GW-2

Report Date: 06/05/07  
 Collection Date: 04/09/07 13:51  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO3	2320	mg/L		1		A2320 B	04/14/07 11:36 / jaj
Calcium	739	mg/L	D	1		E200.7	04/18/07 17:02 / ts
Chloride	217	mg/L		1		E200.7	04/18/07 16:43 / ts
Magnesium	869	mg/L	D	1		E200.7	04/18/07 17:02 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	04/17/07 10:56 / jal
Nitrogen, Nitrate+Nitrite as N	7.9	mg/L	D	0.2		E353.2	04/16/07 13:32 / lji
Potassium	15.6	mg/L		0.5		E200.7	04/18/07 16:43 / ts
Sodium	336	mg/L		0.5		E200.7	04/18/07 16:43 / ts
Sulfate	3680	mg/L	D	2		E200.7	04/18/07 17:02 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.67	s.u.		0.01		A4500-H B	04/14/07 08:42 / jaj
Solids, Total Dissolved TDS @ 180 C	7100	mg/L		10		A2540 C	04/14/07 12:31 / jaj
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	04/17/07 19:07 / sml
Beryllium	ND	mg/L		0.01		E200.8	04/17/07 19:07 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/17/07 19:07 / sml
Cobalt	ND	mg/L		0.01		E200.8	04/17/07 19:07 / sml
Lead	ND	mg/L		0.05		E200.8	04/17/07 19:07 / sml
Manganese	1.06	mg/L		0.01		E200.8	04/17/07 19:07 / sml
Molybdenum	ND	mg/L		0.1		E200.8	04/17/07 19:07 / sml
Nickel	ND	mg/L		0.05		E200.8	04/17/07 19:07 / sml
Uranium	0.118	mg/L		0.0003		E200.8	04/17/07 19:07 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/17/07 19:07 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	05/03/07 09:21 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	05/01/07 15:47 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	04/27/07 14:41 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/16/07 12:00 / plj
Radium 226	ND	pCi/L		0.2		E903.0	04/30/07 10:18 / trs
Radium 228	ND	pCi/L		1.0		RA-05	04/25/07 10:08 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	04/24/07 15:00 / dmf
<b>DATA QUALITY</b>							
A/C Balance (± 5)	0.865	%				Calculation	04/19/07 11:44 / bws
Anions	121	meq/L				Calculation	04/19/07 11:44 / bws
Cations	123	meq/L				Calculation	04/19/07 11:44 / bws
Solids, Total Dissolved Calculated	7050	mg/L				Calculation	04/19/07 11:44 / bws
TDS Balance (0.80 - 1.20)	1.01	dec. %				Calculation	04/19/07 11:44 / bws

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-007  
 Client Sample ID: GW-2

Report Date: 06/05/07  
 Collection Date: 04/09/07 13:51  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/17/07 23:17 / jlr
Bromoform	ND	ug/L		0.50		E624	04/17/07 23:17 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/17/07 23:17 / jlr
Chloroform	ND	ug/L		0.50		E624	04/17/07 23:17 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	04/17/07 23:17 / jlr
Surr: 1,2-Dichlorobenzene-d4	101	%REC			80-120	E624	04/17/07 23:17 / jlr
Surr: Dibromofluoromethane	114	%REC			80-120	E624	04/17/07 23:17 / jlr
Surr: p-Bromofluorobenzene	97.0	%REC			80-120	E624	04/17/07 23:17 / jlr
Surr: Toluene-d8	100	%REC			80-120	E624	04/17/07 23:17 / jlr

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



UNC Mining and Milling ChurchRock Operations

GroundWater Monitoring Summary: Alluvium Monitor Wells

Well ID:		GW-2	GW-2	GW-2	GW-2
Collection Date:		4/9/2007	1/8/2007	10/2/2006	7/17/2006
Receive Date:		4/11/2007	1/10/2007	10/6/2006	7/21/2006
Report Date:		6/5/2007	2/21/2007	11/8/2006	8/21/2006
Analyte	Units	C07040656-007	C07010481-007	C06100367-007	C06070992-007
Bicarbonate as HCO <sub>3</sub>	mg/L	2320	2330	2440	2360
Calcium	mg/L	739	715	754	792
Chloride	mg/L	217	204	166	230
Magnesium	mg/L	869	785	756	752
Nitrogen, Ammonia as N	mg/L	ND(0.05)	0.10	0.16	0.06
Nitrogen, Nitrate+Nitrite as N	mg/L	7.9	7.4	6.3	7.0
Potassium	mg/L	15.6	13.6	12.5	13.7
Sodium	mg/L	336	334	335	395
Sulfate	mg/L	3680	3430	3300	3480
pH	s.u.	6.67	6.64	6.69	6.58
Solids, Total Dissolved TDS @ 180 C	mg/L	7100	7500	7380	7000
Aluminum	mg/L	ND(0.1)	ND(0.1)	0.1	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	1.06	1.01	0.96	0.94
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.118	0.115	0.113	0.127
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L				
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	ND(0.2)	ND(0.2)	0.4	0.2
Radium 226 precision (±)	pCi/L			0.3	0.2
Radium 228	pCi/L	ND(1.0)	ND(1.0)	1.7	3.8
Radium 228 precision (±)	pCi/L			0.7	0.9
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	0.865	-0.278	0.408	0.454
Anions	meq/L	121	116	114	118
Cations	meq/L	123	115	115	119
Solids, Total Dissolved Calculated	mg/L	7050	6680	6560	6870
TDS Balance (0.80 - 1.20)	dec. %	1.01	1.12	1.13	1.02
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	NA
Chloroform	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(1.0)

\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.





LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-014  
 Client Sample ID: GW-3

Report Date: 02/22/07  
 Collection Date: 01/09/07 13:26  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	1550	mg/L		1		A2320 B	01/15/07 10:41 / jaj
Calcium	867	mg/L	D	0.6		E200.7	01/18/07 12:55 / ts
Chloride	164	mg/L		1		E200.7	01/18/07 12:52 / ts
Magnesium	291	mg/L	D	0.5		E200.7	01/18/07 12:55 / ts
Nitrogen, Ammonia as N	0.27	mg/L		0.05		A4500-NH <sub>3</sub> G	01/15/07 12:33 / jal
Nitrogen, Nitrate+Nitrite as N	90	mg/L	D	2		E353.2	01/16/07 16:26 / jal
Potassium	8.7	mg/L		0.5		E200.7	01/18/07 12:52 / ts
Sodium	248	mg/L		0.5		E200.7	01/18/07 12:52 / ts
Sulfate	2170	mg/L	D	8		E200.7	01/18/07 12:55 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.82	s.u.		0.01		A4500-H B	01/15/07 10:37 / lji
Solids, Total Dissolved TDS @ 180 C	5270	mg/L		10		A2540 C	01/15/07 16:33 / lm
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	01/13/07 03:57 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/15/07 12:25 / bas
Cadmium	ND	mg/L		0.005		E200.8	01/13/07 03:57 / bws
Cobalt	ND	mg/L		0.01		E200.8	01/15/07 12:25 / bas
Lead	ND	mg/L		0.05		E200.8	01/13/07 03:57 / bws
Manganese	1.76	mg/L		0.01		E200.8	01/15/07 12:25 / bas
Molybdenum	ND	mg/L		0.1		E200.8	01/13/07 03:57 / bws
Nickel	ND	mg/L		0.05		E200.8	01/13/07 03:57 / bws
Uranium	0.112	mg/L		0.0003		E200.8	01/15/07 12:25 / bas
Vanadium	ND	mg/L		0.1		E200.8	01/13/07 03:57 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	01/16/07 13:44 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	01/16/07 09:41 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	01/25/07 07:45 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/19/07 11:00 / plj
Radium 226	ND	pCi/L		0.2		E903.0	01/29/07 11:31 / trs
Radium 228	ND	pCi/L		1.0		RA-05	01/22/07 15:21 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/22/07 15:00 / dmf
<b>DATA QUALITY</b>							
A/C Balance (± 5)	-2.03	%				Calculation	02/20/07 15:23 / ks
Anions	81.6	meq/L				Calculation	02/20/07 15:23 / ks
Cations	78.4	meq/L				Calculation	02/20/07 15:23 / ks
Solids, Total Dissolved Calculated	4920	mg/L				Calculation	02/20/07 15:23 / ks
TDS Balance (0.80 - 1.20)	1.07	dec. %				Calculation	02/20/07 15:23 / ks

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-014  
 Client Sample ID: GW-3

Report Date: 02/22/07  
 Collection Date: 01/09/07 13:26  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/16/07 04:03 / jlr
Bromoform	ND	ug/L		0.50		E624	01/16/07 04:03 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	01/16/07 04:03 / jlr
Chloroform	ND	ug/L		0.50		E624	01/16/07 04:03 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	01/16/07 04:03 / jlr
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC			80-120	E624	01/16/07 04:03 / jlr
Surr: Dibromofluoromethane	100	%REC			80-120	E624	01/16/07 04:03 / jlr
Surr: p-Bromofluorobenzene	101	%REC			80-120	E624	01/16/07 04:03 / jlr
Surr: Toluene-d8	98.0	%REC			80-120	E624	01/16/07 04:03 / jlr

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-014  
 Client Sample ID: GW-3

Report Date: 06/05/07  
 Collection Date: 04/10/07 11:00  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO3	1540	mg/L		1		A2320 B	04/14/07 11:46 / jaj
Calcium	882	mg/L	D	1		E200.7	04/18/07 18:26 / ts
Chloride	156	mg/L		1		E200.7	04/18/07 18:23 / ts
Magnesium	292	mg/L	D	1		E200.7	04/18/07 18:26 / ts
Nitrogen, Ammonia as N	0.05	mg/L		0.05		A4500-NH3 G	04/17/07 11:22 / jaj
Nitrogen, Nitrate+Nitrite as N	97	mg/L	D	2		E353.2	04/16/07 13:57 / ljl
Potassium	10.2	mg/L		0.5		E200.7	04/18/07 18:23 / ts
Sodium	254	mg/L		0.5		E200.7	04/18/07 18:23 / ts
Sulfate	2050	mg/L	D	2		E200.7	04/18/07 18:26 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.85	s.u.		0.01		A4500-H B	04/14/07 08:51 / jaj
Solids, Total Dissolved TDS @ 180 C	5170	mg/L		10		A2540 C	04/16/07 12:45 / bas
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	04/17/07 20:52 / sml
Beryllium	ND	mg/L		0.01		E200.8	04/17/07 20:52 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/17/07 20:52 / sml
Cobalt	ND	mg/L		0.01		E200.8	04/17/07 20:52 / sml
Lead	ND	mg/L		0.05		E200.8	04/17/07 20:52 / sml
Manganese	1.62	mg/L		0.01		E200.8	04/17/07 20:52 / sml
Molybdenum	ND	mg/L		0.1		E200.8	04/17/07 20:52 / sml
Nickel	ND	mg/L		0.05		E200.8	04/17/07 20:52 / sml
Uranium	0.113	mg/L		0.0003		E200.8	04/17/07 20:52 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/17/07 20:52 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	05/03/07 09:52 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	05/01/07 16:15 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	04/27/07 16:20 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/16/07 12:00 / plj
Radium 226	ND	pCi/L		0.2		E903.0	04/30/07 11:24 / trs
Radium 228	ND	pCi/L		1.0		RA-05	04/25/07 12:00 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	04/24/07 15:00 / dmf
<b>DATA QUALITY</b>							
A/C Balance (± 5)	0.142	%				Calculation	04/19/07 11:47 / bws
Anions	79.3	meq/L				Calculation	04/19/07 11:47 / bws
Cations	79.5	meq/L				Calculation	04/19/07 11:47 / bws
Solids, Total Dissolved Calculated	4850	mg/L				Calculation	04/19/07 11:47 / bws
TDS Balance (0.80 - 1.20)	1.07	dec. %				Calculation	04/19/07 11:47 / bws

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-014  
 Client Sample ID: GW-3

Report Date: 06/05/07  
 Collection Date: 04/10/07 11:00  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/18/07 04:56 / jlr
Bromoform	ND	ug/L		0.50		E624	04/18/07 04:56 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/18/07 04:56 / jlr
Chloroform	ND	ug/L		0.50		E624	04/18/07 04:56 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	04/18/07 04:56 / jlr
Surr: 1,2-Dichlorobenzene-d4	101	%REC			80-120	E624	04/18/07 04:56 / jlr
Surr: Dibromofluoromethane	114	%REC			80-120	E624	04/18/07 04:56 / jlr
Surr: p-Bromofluorobenzene	98.0	%REC			80-120	E624	04/18/07 04:56 / jlr
Surr: Toluene-d8	100	%REC			80-120	E624	04/18/07 04:56 / jlr

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



**UNC Mining and Milling ChurchRock Operations**  
**GroundWater Monitoring Summary: Alluvium Monitor Wells**

Well ID:	GW-3	GW-3	GW-3	GW-3
Collection Date:	4/10/2007	1/9/2007	10/3/2006	7/18/2006
Receive Date:	4/11/2007	1/10/2007	10/6/2006	7/21/2006
Report Date:	6/5/2007	2/21/2007	11/8/2006	8/21/2006

Analyte	Units	C07040656-014	C07010481-014	C06100367-015	C06070992-014
Bicarbonate as HCO3	mg/L	1540	1550	1590	1580
Calcium	mg/L	882	867	865	978
Chloride	mg/L	156	164	149	167
Magnesium	mg/L	292	291	289	328
Nitrogen, Ammonia as N	mg/L	0.05	0.27	0.16	0.07
Nitrogen, Nitrate+Nitrite as N	mg/L	97	90	100	91
Potassium	mg/L	10.2	8.7	9.0	10.2
Sodium	mg/L	254	248	253	293
Sulfate	mg/L	2050	2170	1920	2360
pH	s.u.	6.85	6.82	6.78	6.88
Solids, Total Dissolved TDS @ 180 C	mg/L	5170	5270	5070	5290
Aluminum	mg/L	ND(0.1)	ND(0.1)	0.1	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	0.01
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	1.62	1.76	1.85	1.81
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.113	0.112	0.112	0.117
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L				
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	0.4
Radium 226 precision (±)	pCi/L				0.2
Radium 228	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	1.8
Radium 228 precision (±)	pCi/L				0.8
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	0.142	-2.03	4.74	1.51
Anions	meq/L	79.3	81.6	71.3	86.3
Cations	meq/L	79.5	78.4	78.4	88.9
Solids, Total Dissolved Calculated	mg/L	4850	4920	4540	5330
TDS Balance (0.80 - 1.20)	dec. %	1.07	1.07	1.12	0.990
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	NA
Chloroform	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(1.0)

**\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.**



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-002  
 Client Sample ID: EPA-23

Report Date: 02/22/07  
 Collection Date: 01/08/07 10:27  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	1140	mg/L		1		A2320 B	01/15/07 09:35 / jaj
Calcium	576	mg/L	D	0.6		E200.7	01/15/07 17:32 / ts
Chloride	80	mg/L		1		E200.7	01/15/07 17:29 / ts
Magnesium	355	mg/L	D	0.5		E200.7	01/15/07 17:32 / ts
Nitrogen, Ammonia as N	2.38	mg/L		0.05		A4500-NH3 G	01/15/07 11:53 / jal
Nitrogen, Nitrate+Nitrite as N	6.0	mg/L		0.1		E353.2	01/16/07 13:58 / jal
Potassium	9.6	mg/L		0.5		E200.7	01/15/07 17:29 / ts
Sodium	121	mg/L		0.5		E200.7	01/15/07 17:29 / ts
Sulfate	2050	mg/L	D	8		E200.7	01/15/07 17:32 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.91	s.u.		0.01		A4500-H B	01/13/07 13:57 / ljl
Solids, Total Dissolved TDS @ 180 C	4090	mg/L		10		A2540 C	01/15/07 15:35 / lm
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	01/12/07 23:54 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/12/07 23:54 / bws
Cadmium	ND	mg/L		0.005		E200.8	01/12/07 23:54 / bws
Cobalt	ND	mg/L		0.01		E200.8	01/12/07 23:54 / bws
Lead	ND	mg/L		0.05		E200.8	01/12/07 23:54 / bws
Manganese	4.80	mg/L		0.01		E200.8	01/12/07 23:54 / bws
Molybdenum	ND	mg/L		0.1		E200.8	01/12/07 23:54 / bws
Nickel	ND	mg/L		0.05		E200.8	01/12/07 23:54 / bws
Uranium	0.0229	mg/L		0.0003		E200.8	01/12/07 23:54 / bws
Vanadium	ND	mg/L		0.1		E200.8	01/12/07 23:54 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	01/16/07 13:04 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	01/16/07 09:06 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	01/24/07 19:40 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/19/07 11:00 / plj
Radium 226	ND	pCi/L		0.2		E903.0	01/29/07 10:22 / trs
Radium 228	ND	pCi/L		1.0		RA-05	01/22/07 15:21 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/22/07 15:00 / dmf
<b>DATA QUALITY</b>							
A/C Balance (± 5)	0.184	%				Calculation	02/20/07 15:15 / ks
Anions	64.0	meq/L				Calculation	02/20/07 15:15 / ks
Cations	64.2	meq/L				Calculation	02/20/07 15:15 / ks
Solids, Total Dissolved Calculated	3790	mg/L				Calculation	02/20/07 15:15 / ks
TDS Balance (0.80 - 1.20)	1.08	dec. %				Calculation	02/20/07 15:15 / ks

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

D - RL increased due to sample matrix interference.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-002  
 Client Sample ID: EPA-23

Report Date: 02/22/07  
 Collection Date: 01/08/07 10:27  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/15/07 16:39 / jlr
Bromoform	ND	ug/L		0.50		E624	01/15/07 16:39 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	01/15/07 16:39 / jlr
Chloroform	ND	ug/L		0.50		E624	01/15/07 16:39 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	01/15/07 16:39 / jlr
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC			80-120	E624	01/15/07 16:39 / jlr
Surr: Dibromofluoromethane	105	%REC			80-120	E624	01/15/07 16:39 / jlr
Surr: p-Bromofluorobenzene	91.0	%REC			80-120	E624	01/15/07 16:39 / jlr
Surr: Toluene-d8	93.0	%REC			80-120	E624	01/15/07 16:39 / jlr

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-002  
 Client Sample ID: EPA-23

Report Date: 06/05/07  
 Collection Date: 04/09/07 10:15  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO3	1120	mg/L		1		A2320 B	04/14/07 11:17 / jaj
Calcium	636	mg/L	D	1		E200.7	04/18/07 16:00 / ts
Chloride	86	mg/L		1		E200.7	04/18/07 15:56 / ts
Magnesium	380	mg/L	D	1		E200.7	04/18/07 16:00 / ts
Nitrogen, Ammonia as N	1.20	mg/L		0.05		A4500-NH3 G	04/17/07 10:40 / jal
Nitrogen, Nitrate+Nitrite as N	1.5	mg/L		0.1		E353.2	04/16/07 13:20 / ljl
Potassium	10.6	mg/L		0.5		E200.7	04/18/07 15:56 / ts
Sodium	125	mg/L		0.5		E200.7	04/18/07 15:56 / ts
Sulfate	2220	mg/L	D	2		E200.7	04/18/07 16:00 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.88	s.u.		0.01		A4500-H B	04/14/07 08:36 / jaj
Solids, Total Dissolved TDS @ 180 C	4320	mg/L		10		A2540 C	04/14/07 12:30 / jaj
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	04/17/07 16:06 / sml
Beryllium	ND	mg/L		0.01		E200.8	04/17/07 16:06 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/17/07 16:06 / sml
Cobalt	ND	mg/L		0.01		E200.8	04/17/07 16:06 / sml
Lead	ND	mg/L		0.05		E200.8	04/17/07 16:06 / sml
Manganese	5.25	mg/L		0.01		E200.8	04/17/07 16:06 / sml
Molybdenum	ND	mg/L		0.1		E200.8	04/17/07 16:06 / sml
Nickel	ND	mg/L		0.05		E200.8	04/17/07 16:06 / sml
Uranium	0.0339	mg/L		0.0003		E200.8	04/17/07 16:06 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/17/07 16:06 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	04/26/07 13:37 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	04/25/07 16:24 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	04/27/07 14:41 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/16/07 12:00 / plj
Radium 226	ND	pCi/L		0.2		E903.0	04/30/07 10:18 / trs
Radium 228	ND	pCi/L		1.0		RA-05	04/25/07 10:08 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	04/24/07 15:00 / dmf
<b>DATA QUALITY</b>							
A/C Balance (± 5)	1.73	%				Calculation	04/19/07 11:42 / bws
Anions	67.1	meq/L				Calculation	04/19/07 11:42 / bws
Cations	69.5	meq/L				Calculation	04/19/07 11:42 / bws
Solids, Total Dissolved Calculated	4030	mg/L				Calculation	04/19/07 11:42 / bws
TDS Balance (0.80 - 1.20)	1.07	dec. %				Calculation	04/19/07 11:42 / bws

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.





LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-002  
 Client Sample ID: EPA-23

Report Date: 06/05/07  
 Collection Date: 04/09/07 10:15  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/17/07 14:52 / jlr
Bromoform	ND	ug/L		0.50		E624	04/17/07 14:52 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/17/07 14:52 / jlr
Chloroform	ND	ug/L		0.50		E624	04/17/07 14:52 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	04/17/07 14:52 / jlr
Surr: 1,2-Dichlorobenzene-d4	101	%REC			80-120	E624	04/17/07 14:52 / jlr
Surr: Dibromofluoromethane	116	%REC			80-120	E624	04/17/07 14:52 / jlr
Surr: p-Bromofluorobenzene	101	%REC			80-120	E624	04/17/07 14:52 / jlr
Surr: Toluene-d8	101	%REC			80-120	E624	04/17/07 14:52 / jlr

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



**UNC Mining and Milling ChurchRock Operations**  
**GroundWater Monitoring Summary: Alluvium Monitor Wells**

Well ID:	EPA-23	EPA-23	EPA-23	EPA-23
Collection Date:	4/9/2007	1/8/2007	10/2/2006	7/17/2006
Receive Date:	4/11/2007	1/10/2007	10/6/2006	7/21/2006
Report Date:	6/5/2007	2/21/2007	11/8/2006	8/21/2006

Analyte	Units	C07040656-002	C07010481-002	C06100367-002	C06070992-002
Bicarbonate as HCO3	mg/L	1120	1140	1180	1130
Calcium	mg/L	636	576	638	639
Chloride	mg/L	86	80	79	88
Magnesium	mg/L	380	355	397	411
Nitrogen, Ammonia as N	mg/L	1.20	2.38	3.54	1.21
Nitrogen, Nitrate+Nitrite as N	mg/L	1.5	6.0	10.8	1.4
Potassium	mg/L	10.6	9.6	11.0	11.0
Sodium	mg/L	125	121	141	146
Sulfate	mg/L	2220	2050	2260	2560
pH	s.u.	6.88	6.91	6.89	6.77
Solids, Total Dissolved TDS @ 180 C	mg/L	4320	4090	4740	4370
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	5.25	4.80	5.14	5.40
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0339	0.0229	0.0265	0.0262
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L				
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	0.4
Radium 226 precision (±)	pCi/L				0.2
Radium 228	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Radium 228 precision (±)	pCi/L				
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	1.73	0.184	1.60	-0.858
Anions	meq/L	67.1	64.0	69.3	74.4
Cations	meq/L	69.5	64.2	71.6	73.1
Solids, Total Dissolved Calculated	mg/L	4030	3790	4150	4430
TDS Balance (0.80 - 1.20)	dec. %	1.07	1.08	1.14	0.990
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	NA
Chloroform	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(1.0)

**\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.**



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-015  
 Client Sample ID: EPA-25

Report Date: 02/22/07  
 Collection Date: 01/09/07 14:07  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	927	mg/L		1		A2320 B	01/15/07 10:47 / jaj
Calcium	622	mg/L	D	0.6		E200.7	01/18/07 13:11 / ts
Chloride	86	mg/L		1		E200.7	01/18/07 13:08 / ts
Magnesium	203	mg/L	D	0.5		E200.7	01/18/07 13:11 / ts
Nitrogen, Ammonia as N	0.07	mg/L		0.05		A4500-NH <sub>3</sub> G	01/15/07 12:35 / jal
Nitrogen, Nitrate+Nitrite as N	87	mg/L	D	2		E353.2	01/16/07 16:28 / jal
Potassium	6.7	mg/L		0.5		E200.7	01/18/07 13:08 / ts
Sodium	142	mg/L		0.5		E200.7	01/18/07 13:08 / ts
Sulfate	1510	mg/L		1		E200.7	01/18/07 13:08 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.95	s.u.		0.01		A4500-H B	01/15/07 10:38 / ljl
Solids, Total Dissolved TDS @ 180 C	4040	mg/L		10		A2540 C	01/15/07 16:35 / lm
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	01/13/07 04:04 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/15/07 13:25 / bas
Cadmium	ND	mg/L		0.005		E200.8	01/13/07 04:04 / bws
Cobalt	ND	mg/L		0.01		E200.8	01/15/07 13:25 / bas
Lead	ND	mg/L		0.05		E200.8	01/13/07 04:04 / bws
Manganese	2.04	mg/L		0.01		E200.8	01/15/07 13:25 / bas
Molybdenum	ND	mg/L		0.1		E200.8	01/13/07 04:04 / bws
Nickel	ND	mg/L		0.05		E200.8	01/13/07 04:04 / bws
Uranium	0.0884	mg/L		0.0003		E200.8	01/15/07 13:25 / bas
Vanadium	ND	mg/L		0.1		E200.8	01/13/07 04:04 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	01/16/07 13:46 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	01/16/07 09:43 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	01/25/07 08:45 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/19/07 11:00 / plj
Radium 226	ND	pCi/L		0.2		E903.0	01/29/07 11:31 / trs
Radium 228	ND	pCi/L		1.0		RA-05	01/22/07 15:21 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/22/07 15:00 / dmf
<b>DATA QUALITY</b>							
A/C Balance (± 5)	-0.952	%				Calculation	02/20/07 15:24 / ks
Anions	55.3	meq/L				Calculation	02/20/07 15:24 / ks
Cations	54.3	meq/L				Calculation	02/20/07 15:24 / ks
Solids, Total Dissolved Calculated	3430	mg/L				Calculation	02/20/07 15:24 / ks
TDS Balance (0.80 - 1.20)	1.18	dec. %				Calculation	02/20/07 15:24 / ks

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-015  
 Client Sample ID: EPA-25

Report Date: 02/22/07  
 Collection Date: 01/09/07 14:07  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/16/07 23:59 / jlr
Bromoform	ND	ug/L		0.50		E624	01/16/07 23:59 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	01/16/07 23:59 / jlr
Chloroform	ND	ug/L		0.50		E624	01/16/07 23:59 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	01/16/07 23:59 / jlr
Surr: 1,2-Dichlorobenzene-d4	94.0	%REC			80-120	E624	01/16/07 23:59 / jlr
Surr: Dibromofluoromethane	100	%REC			80-120	E624	01/16/07 23:59 / jlr
Surr: p-Bromofluorobenzene	98.0	%REC			80-120	E624	01/16/07 23:59 / jlr
Surr: Toluene-d8	96.0	%REC			80-120	E624	01/16/07 23:59 / jlr

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-015  
 Client Sample ID: EPA-25

Report Date: 06/05/07  
 Collection Date: 04/10/07 11:41  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	935	mg/L		1		A2320 B	04/19/07 13:55 / jaj
Calcium	733	mg/L	D	1		E200.7	04/18/07 18:33 / ts
Chloride	99	mg/L		1		E200.7	04/18/07 18:29 / ts
Magnesium	234	mg/L	D	1		E200.7	04/18/07 18:33 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH <sub>3</sub> G	04/17/07 11:24 / jal
Nitrogen, Nitrate+Nitrite as N	99	mg/L	D	2		E353.2	04/16/07 14:00 / ljl
Potassium	8.6	mg/L		0.5		E200.7	04/18/07 18:29 / ts
Sodium	154	mg/L		0.5		E200.7	04/18/07 18:29 / ts
Sulfate	1760	mg/L	D	2		E200.7	04/18/07 18:33 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	7.16	s.u.		0.01		A4500-H B	04/14/07 08:53 / jaj
Solids, Total Dissolved TDS @ 180 C	4110	mg/L		10		A2540 C	04/16/07 12:45 / bas
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	04/17/07 20:59 / sml
Beryllium	ND	mg/L		0.01		E200.8	04/17/07 20:59 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/17/07 20:59 / sml
Cobalt	ND	mg/L		0.01		E200.8	04/17/07 20:59 / sml
Lead	ND	mg/L		0.05		E200.8	04/17/07 20:59 / sml
Manganese	2.18	mg/L		0.01		E200.8	04/17/07 20:59 / sml
Molybdenum	ND	mg/L		0.1		E200.8	04/17/07 20:59 / sml
Nickel	ND	mg/L		0.05		E200.8	04/17/07 20:59 / sml
Uranium	0.109	mg/L		0.0003		E200.8	04/17/07 20:59 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/17/07 20:59 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	05/03/07 09:54 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	05/01/07 16:17 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	04/27/07 16:20 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/16/07 12:00 / plj
Radium 226	ND	pCi/L		0.2		E903.0	04/30/07 11:24 / trs
Radium 228	ND	pCi/L		1.0		RA-05	04/25/07 12:00 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	04/24/07 15:00 / dmf
<b>DATA QUALITY</b>							
A/C Balance (± 5)	0.949	%				Calculation	04/20/07 14:16 / bws
Anions	61.7	meq/L				Calculation	04/20/07 14:16 / bws
Cations	62.9	meq/L				Calculation	04/20/07 14:16 / bws
Solids, Total Dissolved Calculated	3890	mg/L				Calculation	04/20/07 14:16 / bws
TDS Balance (0.80 - 1.20)	1.06	dec. %				Calculation	04/20/07 14:16 / bws

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-015  
 Client Sample ID: EPA-25

Report Date: 06/05/07  
 Collection Date: 04/10/07 11:41  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/18/07 05:40 / jlr
Bromoform	ND	ug/L		0.50		E624	04/18/07 05:40 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/18/07 05:40 / jlr
Chloroform	ND	ug/L		0.50		E624	04/18/07 05:40 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	04/18/07 05:40 / jlr
Surr: 1,2-Dichlorobenzene-d4	101	%REC			80-120	E624	04/18/07 05:40 / jlr
Surr: Dibromofluoromethane	111	%REC			80-120	E624	04/18/07 05:40 / jlr
Surr: p-Bromofluorobenzene	98.0	%REC			80-120	E624	04/18/07 05:40 / jlr
Surr: Toluene-d8	100	%REC			80-120	E624	04/18/07 05:40 / jlr

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



UNC Mining and Milling ChurchRock Operations

GroundWater Monitoring Summary: Alluvium Monitor Wells

Well ID:	EPA-25	EPA-25	EPA-25	EPA-25	
Collection Date:	4/10/2007	1/9/2007	10/3/2006	7/18/2006	
Receive Date:	4/11/2007	1/10/2007	10/6/2006	7/21/2006	
Report Date:	6/5/2007	2/21/2007	11/8/2006	8/21/2006	
Analyte	Units	C07040656-015	C07010481-015	C06100367-016	C06070992-015
Bicarbonate as HCO3	mg/L	935	927	921	903
Calcium	mg/L	733	622	702	748
Chloride	mg/L	99	86	99	95
Magnesium	mg/L	234	203	224	241
Nitrogen, Ammonia as N	mg/L	ND(0.05)	0.07	0.18	0.14
Nitrogen, Nitrate+Nitrite as N	mg/L	99	87	82	89
Potassium	mg/L	8.6	6.7	7.8	8.3
Sodium	mg/L	154	142	184	179
Sulfate	mg/L	1760	1510	1720	1920
pH	s.u.	7.16	6.95	7.31	6.96
Solids, Total Dissolved TDS @ 180 C	mg/L	4110	4040	3880	4150
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	2.18	2.04	1.85	2.05
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.109	0.0884	0.104	0.103
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L				
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Radium 226 precision (±)	pCi/L				
Radium 228	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	2.3
Radium 228 precision (±)	pCi/L				0.8
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	0.949	-0.952	4.64	1.22
Anions	meq/L	61.7	55.3	56.3	63.8
Cations	meq/L	62.9	54.3	61.8	65.3
Solids, Total Dissolved Calculated	mg/L	3890	3430	3690	4040
TDS Balance (0.80 - 1.20)	dec. %	1.06	1.18	1.05	1.03
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	NA
Chloroform	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(1.0)

\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-013  
 Client Sample ID: EPA-28

Report Date: 02/22/07  
 Collection Date: 01/09/07 11:04  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO3	738	mg/L		1		A2320 B	01/15/07 10:38 / jaj
Calcium	544	mg/L	D	0.6		E200.7	01/15/07 19:19 / ts
Chloride	119	mg/L		1		E200.7	01/15/07 19:16 / ts
Magnesium	497	mg/L	D	0.5		E200.7	01/15/07 19:19 / ts
Nitrogen, Ammonia as N	0.07	mg/L		0.05		A4500-NH3 G	01/15/07 12:31 / jal
Nitrogen, Nitrate+Nitrite as N	35.2	mg/L	D	0.8		E353.2	01/16/07 16:23 / jal
Potassium	12.3	mg/L		0.5		E200.7	01/15/07 19:16 / ts
Sodium	208	mg/L		0.5		E200.7	01/15/07 19:16 / ts
Sulfate	2740	mg/L	D	8		E200.7	01/15/07 19:19 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	7.08	s.u.		0.01		A4500-H B	01/15/07 10:36 / ljl
Solids, Total Dissolved TDS @ 180 C	5190	mg/L		10		A2540 C	01/15/07 16:33 / lm
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	01/13/07 03:19 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/13/07 03:19 / bws
Cadmium	ND	mg/L		0.005		E200.8	01/13/07 03:19 / bws
Cobalt	ND	mg/L		0.01		E200.8	01/13/07 03:19 / bws
Lead	ND	mg/L		0.05		E200.8	01/13/07 03:19 / bws
Manganese	0.59	mg/L		0.01		E200.8	01/13/07 03:19 / bws
Molybdenum	ND	mg/L		0.1		E200.8	01/13/07 03:19 / bws
Nickel	ND	mg/L		0.05		E200.8	01/13/07 03:19 / bws
Uranium	0.0459	mg/L		0.0003		E200.8	01/13/07 03:19 / bws
Vanadium	ND	mg/L		0.1		E200.8	01/13/07 03:19 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	01/16/07 13:42 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	01/16/07 09:39 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	01/25/07 06:44 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/19/07 11:00 / plj
Radium 226	0.6	pCi/L		0.2		E903.0	01/29/07 11:31 / trs
Radium 226 precision (±)	0.3	pCi/L				E903.0	01/29/07 11:31 / trs
Radium 228	ND	pCi/L		1.0		RA-05	01/22/07 15:21 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/22/07 15:00 / dmf

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.





LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-013  
 Client Sample ID: EPA-28

Report Date: 02/22/07  
 Collection Date: 01/09/07 11:04  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	1.67	%				Calculation	02/20/07 15:22 / ks
Anions	74.9	meq/L				Calculation	02/20/07 15:22 / ks
Cations	77.4	meq/L				Calculation	02/20/07 15:22 / ks
Solids, Total Dissolved Calculated	4640	mg/L				Calculation	02/20/07 15:22 / ks
TDS Balance (0.80 - 1.20)	1.12	dec. %				Calculation	02/20/07 15:22 / ks
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/16/07 03:25 / jlr
Bromoform	ND	ug/L		0.50		E624	01/16/07 03:25 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	01/16/07 03:25 / jlr
Chloroform	ND	ug/L		0.50		E624	01/16/07 03:25 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	01/16/07 03:25 / jlr
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC			80-120	E624	01/16/07 03:25 / jlr
Surr: Dibromofluoromethane	98.0	%REC			80-120	E624	01/16/07 03:25 / jlr
Surr: p-Bromofluorobenzene	90.0	%REC			80-120	E624	01/16/07 03:25 / jlr
Surr: Toluene-d8	102	%REC			80-120	E624	01/16/07 03:25 / jlr

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-013  
 Client Sample ID: EPA-28

Report Date: 06/05/07  
 Collection Date: 04/10/07 10:13  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO3	744	mg/L		1		A2320 B	04/14/07 11:44 / jaj
Calcium	545	mg/L	D	1		E200.7	04/18/07 18:10 / ts
Chloride	119	mg/L		1		E200.7	04/18/07 18:06 / ts
Magnesium	504	mg/L	D	1		E200.7	04/18/07 18:10 / ts
Nitrogen, Ammonia as N	0.06	mg/L		0.05		A4500-NH3 G	04/17/07 11:14 / jal
Nitrogen, Nitrate+Nitrite as N	37.2	mg/L	D	0.8		E353.2	04/16/07 13:55 / ljl
Potassium	13.2	mg/L		0.5		E200.7	04/18/07 18:06 / ts
Sodium	197	mg/L		0.5		E200.7	04/18/07 18:06 / ts
Sulfate	2800	mg/L	D	2		E200.7	04/18/07 18:10 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	7.02	s.u.		0.01		A4500-H B	04/14/07 08:50 / jaj
Solids, Total Dissolved TDS @ 180 C	5160	mg/L		10		A2540 C	04/16/07 12:54 / bas
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	04/17/07 20:22 / sml
Beryllium	ND	mg/L		0.01		E200.8	04/17/07 20:22 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/17/07 20:22 / sml
Cobalt	ND	mg/L		0.01		E200.8	04/17/07 20:22 / sml
Lead	ND	mg/L		0.05		E200.8	04/17/07 20:22 / sml
Manganese	0.58	mg/L		0.01		E200.8	04/17/07 20:22 / sml
Molybdenum	ND	mg/L		0.1		E200.8	04/17/07 20:22 / sml
Nickel	ND	mg/L		0.05		E200.8	04/17/07 20:22 / sml
Uranium	0.0430	mg/L		0.0003		E200.8	04/17/07 20:22 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/17/07 20:22 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	05/03/07 09:34 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	05/01/07 16:00 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	04/27/07 16:20 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/16/07 12:00 / plj
Radium 226	ND	pCi/L		0.2		E903.0	04/30/07 11:24 / trs
Radium 228	ND	pCi/L		1.0		RA-05	04/25/07 12:00 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	04/24/07 15:00 / dmf
<b>DATA QUALITY</b>							
A/C Balance (± 5)	0.802	%				Calculation	04/19/07 11:46 / bws
Anions	76.4	meq/L				Calculation	04/19/07 11:46 / bws
Cations	77.6	meq/L				Calculation	04/19/07 11:46 / bws
Solids, Total Dissolved Calculated	4710	mg/L				Calculation	04/19/07 11:46 / bws
TDS Balance (0.80 - 1.20)	1.10	dec. %				Calculation	04/19/07 11:46 / bws

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-013  
 Client Sample ID: EPA-28

Report Date: 06/05/07  
 Collection Date: 04/10/07 10:13  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/18/07 04:13 / jlr
Bromoform	ND	ug/L		0.50		E624	04/18/07 04:13 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/18/07 04:13 / jlr
Chloroform	ND	ug/L		0.50		E624	04/18/07 04:13 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	04/18/07 04:13 / jlr
Surr: 1,2-Dichlorobenzene-d4	100	%REC			80-120	E624	04/18/07 04:13 / jlr
Surr: Dibromofluoromethane	110	%REC			80-120	E624	04/18/07 04:13 / jlr
Surr: p-Bromofluorobenzene	99.0	%REC			80-120	E624	04/18/07 04:13 / jlr
Surr: Toluene-d8	100	%REC			80-120	E624	04/18/07 04:13 / jlr

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



**UNC Mining and Milling ChurchRock Operations**  
**GroundWater Monitoring Summary: Alluvium Monitor Wells**

Well ID:	EPA-28	EPA-28	EPA-28	EPA-28
Collection Date:	4/10/2007	1/9/2007	10/3/2006	7/18/2006
Receive Date:	4/11/2007	1/10/2007	10/6/2006	7/21/2006
Report Date:	6/5/2007	2/21/2007	11/8/2006	8/21/2006

Analyte	Units	C07040656-013	C07010481-013	C06100367-013	C06070992-013
Bicarbonate as HCO3	mg/L	744	738	672	669
Calcium	mg/L	545	544	535	558
Chloride	mg/L	119	119	102	126
Magnesium	mg/L	504	497	484	522
Nitrogen, Ammonia as N	mg/L	0.06	0.07	0.09	ND(0.05)
Nitrogen, Nitrate+Nitrite as N	mg/L	37.2	35.2	35.9	36.1
Potassium	mg/L	13.2	12.3	11.8	12.6
Sodium	mg/L	197	208	199	226
Sulfate	mg/L	2800	2740	2670	3020
pH	s.u.	7.02	7.08	7.02	7.20
Solids, Total Dissolved TDS @ 180 C	mg/L	5160	5190	4990	4940
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	0.58	0.59	0.59	0.58
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0430	0.0459	0.0437	0.0435
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	1.3
Gross Alpha minus Rn & U Precision (±)	pCi/L				0.8
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	ND(0.2)	0.6	0.6	0.8
Radium 226 precision (±)	pCi/L		0.3	0.4	0.3
Radium 228	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	3.0
Radium 228 precision (±)	pCi/L				0.8
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	0.802	1.67	2.32	0.663
Anions	meq/L	76.4	74.9	72.1	79.9
Cations	meq/L	77.6	77.4	75.5	81.0
Solids, Total Dissolved Calculated	mg/L	4710	4640	4490	4950
TDS Balance (0.80 - 1.20)	dec. %	1.10	1.12	1.11	1.00
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	NA
Chloroform	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(1.0)

**\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.**



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-012  
 Client Sample ID: SBL-1

Report Date: 02/22/07  
 Collection Date: 01/09/07 10:34  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	427	mg/L		1		A2320 B	01/15/07 10:36 / jaj
Calcium	498	mg/L	D	0.6		E200.7	01/15/07 19:05 / ts
Chloride	80	mg/L		1		E200.7	01/15/07 19:02 / ts
Magnesium	1010	mg/L	D	0.5		E200.7	01/15/07 19:05 / ts
Nitrogen, Ammonia as N	0.19	mg/L		0.05		A4500-NH <sub>3</sub> G	01/15/07 12:23 / jal
Nitrogen, Nitrate+Nitrite as N	53	mg/L	D	2		E353.2	01/16/07 16:21 / jal
Potassium	12.8	mg/L		0.5		E200.7	01/15/07 19:02 / ts
Sodium	288	mg/L		0.5		E200.7	01/15/07 19:02 / ts
Sulfate	5160	mg/L	D	8		E200.7	01/15/07 19:05 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	7.00	s.u.		0.01		A4500-H B	01/15/07 10:34 / ljl
Solids, Total Dissolved TDS @ 180 C	8790	mg/L		10		A2540 C	01/15/07 16:31 / lm
<b>METALS - TOTAL</b>							
Aluminum	0.2	mg/L		0.1		E200.8	01/13/07 03:12 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/13/07 03:12 / bws
Cadmium	ND	mg/L		0.005		E200.8	01/13/07 03:12 / bws
Cobalt	0.03	mg/L		0.01		E200.8	01/13/07 03:12 / bws
Lead	ND	mg/L		0.05		E200.8	01/13/07 03:12 / bws
Manganese	2.42	mg/L		0.01		E200.8	01/13/07 03:12 / bws
Molybdenum	ND	mg/L		0.1		E200.8	01/13/07 03:12 / bws
Nickel	0.07	mg/L		0.05		E200.8	01/13/07 03:12 / bws
Uranium	0.0176	mg/L		0.0003		E200.8	01/13/07 03:12 / bws
Vanadium	ND	mg/L		0.1		E200.8	01/13/07 03:12 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	01/16/07 13:40 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	01/16/07 09:37 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	01/25/07 05:44 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/19/07 11:00 / plj
Radium 226	0.4	pCi/L		0.2		E903.0	01/29/07 11:31 / trs
Radium 226 precision (±)	0.2	pCi/L				E903.0	01/29/07 11:31 / trs
Radium 228	ND	pCi/L		1.0		RA-05	01/22/07 15:21 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/22/07 15:00 / dmf

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07010481-012  
 Client Sample ID: SBL-1

Report Date: 02/22/07  
 Collection Date: 01/09/07 10:34  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	0.160	%				Calculation	02/20/07 15:22 / ks
Anions	120	meq/L				Calculation	02/20/07 15:22 / ks
Cations	121	meq/L				Calculation	02/20/07 15:22 / ks
Solids, Total Dissolved Calculated	7500	mg/L				Calculation	02/20/07 15:22 / ks
TDS Balance (0.80 - 1.20)	1.17	dec. %				Calculation	02/20/07 15:22 / ks
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/16/07 02:46 / jlr
Bromoform	ND	ug/L		0.50		E624	01/16/07 02:46 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	01/16/07 02:46 / jlr
Chloroform	ND	ug/L		0.50		E624	01/16/07 02:46 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	01/16/07 02:46 / jlr
Surr: 1,2-Dichlorobenzene-d4	97.0	%REC			80-120	E624	01/16/07 02:46 / jlr
Surr: Dibromofluoromethane	101	%REC			80-120	E624	01/16/07 02:46 / jlr
Surr: p-Bromofluorobenzene	101	%REC			80-120	E624	01/16/07 02:46 / jlr
Surr: Toluene-d8	102	%REC			80-120	E624	01/16/07 02:46 / jlr

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-012  
 Client Sample ID: SBL-1

Report Date: 06/05/07  
 Collection Date: 04/10/07 09:44  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	439	mg/L		1		A2320 B	04/14/07 11:43 / jaj
Calcium	508	mg/L	D	1		E200.7	04/18/07 18:03 / ts
Chloride	87	mg/L		1		E200.7	04/18/07 18:00 / ts
Magnesium	1040	mg/L	D	1		E200.7	04/18/07 18:03 / ts
Nitrogen, Ammonia as N	0.08	mg/L		0.05		A4500-NH3 G	04/17/07 11:12 / jaj
Nitrogen, Nitrate+Nitrite as N	50	mg/L	D	2		E353.2	04/16/07 13:52 / ljj
Potassium	15.5	mg/L		0.5		E200.7	04/18/07 18:00 / ts
Sodium	293	mg/L		0.5		E200.7	04/18/07 18:00 / ts
Sulfate	5380	mg/L	D	2		E200.7	04/18/07 18:03 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.98	s.u.		0.01		A4500-H B	04/14/07 08:48 / jaj
Solids, Total Dissolved TDS @ 180 C	8830	mg/L		10		A2540 C	04/16/07 12:44 / bas
<b>METALS - TOTAL</b>							
Aluminum	0.1	mg/L		0.1		E200.8	04/17/07 19:45 / sml
Beryllium	ND	mg/L		0.01		E200.8	04/17/07 19:45 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/17/07 19:45 / sml
Cobalt	0.02	mg/L		0.01		E200.8	04/17/07 19:45 / sml
Lead	ND	mg/L		0.05		E200.8	04/17/07 19:45 / sml
Manganese	2.57	mg/L		0.01		E200.8	04/17/07 19:45 / sml
Molybdenum	ND	mg/L		0.1		E200.8	04/17/07 19:45 / sml
Nickel	0.07	mg/L		0.05		E200.8	04/17/07 19:45 / sml
Uranium	0.0176	mg/L		0.0003		E200.8	04/17/07 19:45 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/17/07 19:45 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	05/03/07 09:32 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	05/01/07 15:58 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	05/31/07 15:34 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/16/07 12:00 / plj
Radium 226	ND	pCi/L		0.2		E903.0	05/07/07 09:55 / trs
Radium 228	2.2	pCi/L		1.0		RA-05	05/01/07 10:43 / plj
Radium 228 precision (±)	0.9	pCi/L				RA-05	05/01/07 10:43 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	04/24/07 15:00 / dmf
<b>DATA QUALITY</b>							
A/C Balance (± 5)	-0.314	%				Calculation	04/19/07 11:46 / bws
Anions	125	meq/L				Calculation	04/19/07 11:46 / bws
Cations	124	meq/L				Calculation	04/19/07 11:46 / bws
Solids, Total Dissolved Calculated	7780	mg/L				Calculation	04/19/07 11:46 / bws
TDS Balance (0.80 - 1.20)	1.13	dec. %				Calculation	04/19/07 11:46 / bws

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Alluvium  
 Lab ID: C07040656-012  
 Client Sample ID: SBL-1

Report Date: 06/05/07  
 Collection Date: 04/10/07 09:44  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/18/07 03:30 / jlr
Bromoform	ND	ug/L		0.50		E624	04/18/07 03:30 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/18/07 03:30 / jlr
Chloroform	ND	ug/L		0.50		E624	04/18/07 03:30 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	04/18/07 03:30 / jlr
Surr: 1,2-Dichlorobenzene-d4	102	%REC			80-120	E624	04/18/07 03:30 / jlr
Surr: Dibromofluoromethane	114	%REC			80-120	E624	04/18/07 03:30 / jlr
Surr: p-Bromofluorobenzene	100	%REC			80-120	E624	04/18/07 03:30 / jlr
Surr: Toluene-d8	99.0	%REC			80-120	E624	04/18/07 03:30 / jlr

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.





**UNC Mining and Milling ChurchRock Operations**  
**GroundWater Monitoring Summary: Alluvium Monitor Wells**

Well ID:	SBL-1	SBL-1	SBL-1	SBL-1
Collection Date:	4/10/2007	1/9/2007	10/3/2006	7/18/2006
Receive Date:	4/11/2007	1/10/2007	10/6/2006	7/21/2006
Report Date:	6/5/2007	2/21/2007	11/8/2006	8/21/2006

Analyte	Units	C07040656-012	C07010481-012	C06100367-012	C06070992-012
Bicarbonate as HCO3	mg/L	439	427	388	378
Calcium	mg/L	508	498	520	552
Chloride	mg/L	87	80	78	90
Magnesium	mg/L	1040	1010	1020	1080
Nitrogen, Ammonia as N	mg/L	0.08	0.19	0.27	0.09
Nitrogen, Nitrate+Nitrite as N	mg/L	50	53	45.0	43
Potassium	mg/L	15.5	12.8	13.0	13.0
Sodium	mg/L	293	288	314	345
Sulfate	mg/L	5380	5160	5320	5830
pH	s.u.	6.98	7.00	7.18	7.13
Solids, Total Dissolved TDS @ 180 C	mg/L	8830	8790	8820	8400
Aluminum	mg/L	0.1	0.2	0.3	0.2
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.02	0.03	0.02	0.02
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	2.57	2.42	2.47	2.40
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.07	0.07	0.08	0.08
Uranium	mg/L	0.0176	0.0176	0.0216	0.0227
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L				
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	ND(0.2)	0.4	0.4	0.6
Radium 226 precision (±)	pCi/L		0.2	0.3	0.3
Radium 228	pCi/L	2.2	ND(1.0)	1.5	4.7
Radium 228 precision (±)	pCi/L	0.9		0.7	0.9
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	-0.314	0.160	0.803	-0.426
Anions	meq/L	125	120	123	133
Cations	meq/L	124	121	125	132
Solids, Total Dissolved Calculated	mg/L	7780	7500	7660	8290
TDS Balance (0.80 - 1.20)	dec. %	1.13	1.17	1.15	1.01
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	NA
Chloroform	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(1.0)

**\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.**

**QUARTERLY SAMPLING**  
**SEMI-ANNUAL GROUND WATER MONITORING REPORT**  
**JANUARY AND APRIL OF 2007**

**ZONE - 1**

515-A

\*604

\*614

TWQ-142

EPA-2

\*EPA-4

\*EPA-5

\*EPA-7

**LEVELS ONLY**

TWQ-143

EPA-8

505-A

502-A

501-A

504-A

412

**\*POINT OF COMPLIANCE WELLS**



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07010492-002  
 Client Sample ID: 515-A

Report Date: 02/20/07  
 Collection Date: 01/10/07 09:43  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO3	220	mg/L		1		A2320 B	01/15/07 11:10 / jaj
Calcium	448	mg/L	D	0.6		E200.7	01/18/07 13:38 / ts
Chloride	245	mg/L		1		E200.7	01/18/07 13:35 / ts
Magnesium	807	mg/L	D	0.5		E200.7	01/18/07 13:38 / ts
Nitrogen, Ammonia as N	5.2	mg/L	D	0.1		A4500-NH3 G	01/15/07 12:49 / jal
Nitrogen, Nitrate+Nitrite as N	58	mg/L	D	2		E353.2	01/16/07 15:23 / jal
Potassium	14.0	mg/L		0.5		E200.7	01/18/07 13:35 / ts
Sodium	388	mg/L		0.5		E200.7	01/18/07 13:35 / ts
Sulfate	4640	mg/L	D	8		E200.7	01/18/07 13:38 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	5.86	s.u.		0.01		A4500-H B	01/15/07 13:41 / lm
Solids, Total Dissolved TDS @ 180 C	7850	mg/L		10		A2540 C	01/15/07 16:37 / lm
<b>METALS - TOTAL</b>							
Aluminum	0.4	mg/L		0.1		E200.8	01/13/07 04:34 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/15/07 13:47 / bas
Cadmium	ND	mg/L		0.005		E200.8	01/13/07 04:34 / bws
Cobalt	0.04	mg/L		0.01		E200.8	01/15/07 13:47 / bas
Lead	ND	mg/L		0.05		E200.8	01/13/07 04:34 / bws
Manganese	15.1	mg/L		0.01		E200.8	01/15/07 13:47 / bas
Molybdenum	ND	mg/L		0.1		E200.8	01/13/07 04:34 / bws
Nickel	0.20	mg/L		0.05		E200.8	01/13/07 04:34 / bas
Uranium	0.0006	mg/L		0.0003		E200.8	01/15/07 13:47 / bas
Vanadium	ND	mg/L		0.1		E200.8	01/13/07 04:34 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	01/16/07 13:52 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	01/16/07 09:51 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	1.4	pCi/L		1.0		E900.1	01/29/07 15:05 / res
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	01/29/07 15:05 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/15/07 12:00 / pij
Radium 226	2.0	pCi/L		0.2		E903.0	01/29/07 12:07 / trs
Radium 226 precision (±)	0.4	pCi/L				E903.0	01/29/07 12:07 / trs
Radium 228	ND	pCi/L		1.0		RA-05	01/23/07 11:20 / pij
Thorium 230	ND	pCi/L		0.2		E907.0	01/24/07 15:00 / dmf

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

D - RL increased due to sample matrix interference.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07010492-002  
 Client Sample ID: 515-A

Report Date: 02/20/07  
 Collection Date: 01/10/07 09:43  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	-1.69	%				Calculation	02/06/07 15:08 / tjp
Anions	111	meq/L				Calculation	02/06/07 15:08 / tjp
Cations	108	meq/L				Calculation	02/06/07 15:08 / tjp
Solids, Total Dissolved Calculated	6920	mg/L				Calculation	02/06/07 15:08 / tjp
TDS Balance (0.80 - 1.20)	1.13	dec. %				Calculation	02/06/07 15:08 / tjp
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/17/07 05:43 / jlr
Bromoform	ND	ug/L		0.50		E624	01/17/07 05:43 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	01/17/07 05:43 / jlr
Chloroform	105	ug/L	D	5.0		E624	01/17/07 05:05 / jlr
Trihalomethanes, Total	105	ug/L		0.50		E624	01/17/07 05:43 / jlr
Surr: 1,2-Dichlorobenzene-d4	97.0	%REC			80-120	E624	01/17/07 05:43 / jlr
Surr: Dibromofluoromethane	102	%REC			80-120	E624	01/17/07 05:43 / jlr
Surr: p-Bromofluorobenzene	90.0	%REC			80-120	E624	01/17/07 05:43 / jlr
Surr: Toluene-d8	96.0	%REC			80-120	E624	01/17/07 05:43 / jlr

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

D - RL increased due to sample matrix interference.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07040670-002  
 Client Sample ID: 515-A

Report Date: 05/09/07  
 Collection Date: 04/11/07 10:25  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO3	ND	mg/L		1		A2320 B	04/16/07 13:09 / jaj
Calcium	475	mg/L	D	1		E200.7	04/19/07 16:16 / ts
Chloride	246	mg/L		1		E200.7	04/19/07 16:13 / ts
Magnesium	874	mg/L	D	1		E200.7	04/19/07 16:16 / ts
Nitrogen, Ammonia as N	5.87	mg/L		0.05		A4500-NH3 G	04/17/07 11:41 / jal
Nitrogen, Nitrate+Nitrite as N	63	mg/L	D	2		E353.2	04/16/07 14:17 / ljl
Potassium	16.0	mg/L		0.5		E200.7	04/19/07 16:13 / ts
Sodium	424	mg/L		0.5		E200.7	04/19/07 16:13 / ts
Sulfate	4800	mg/L	D	2		E200.7	04/19/07 16:16 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.12	s.u.		0.01		A4500-H B	04/16/07 10:22 / bas
Solids, Total Dissolved TDS @ 180 C	7770	mg/L		10		A2540 C	04/16/07 12:52 / bas
<b>METALS - TOTAL</b>							
Aluminum	0.8	mg/L		0.1		E200.7	04/19/07 16:13 / ts
Beryllium	ND	mg/L		0.01		E200.8	04/18/07 02:45 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/17/07 00:16 / sml
Cobalt	0.06	mg/L		0.01		E200.8	04/17/07 00:16 / sml
Lead	ND	mg/L		0.05		E200.8	04/17/07 00:16 / sml
Manganese	15.5	mg/L		0.01		E200.8	04/18/07 02:45 / sml
Molybdenum	ND	mg/L		0.1		E200.8	04/17/07 00:16 / sml
Nickel	0.24	mg/L		0.05		E200.8	04/17/07 00:16 / sml
Uranium	0.0009	mg/L		0.0003		E200.8	04/18/07 02:45 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/17/07 00:16 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	04/26/07 13:28 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	04/25/07 16:16 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	2.3	pCi/L		1.0		E900.1	04/27/07 16:20 / res
Gross Alpha minus Rn & U Precision (±)	0.6	pCi/L				E900.1	04/27/07 16:20 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/18/07 12:00 / plj
Radium 226	1.3	pCi/L		0.2		E903.0	04/30/07 15:52 / trs
Radium 226 precision (±)	0.4	pCi/L				E903.0	04/30/07 15:52 / trs
Radium 228	3.4	pCi/L		1.0		RA-05	04/24/07 16:24 / plj
Radium 228 precision (±)	0.8	pCi/L				RA-05	04/24/07 16:24 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	04/23/07 15:00 / dmf

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07040670-002  
 Client Sample ID: 515-A

Report Date: 05/09/07  
 Collection Date: 04/11/07 10:25  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	2.06	%				Calculation	04/20/07 14:23 / bws
Anions	111	meq/L				Calculation	04/20/07 14:23 / bws
Cations	116	meq/L				Calculation	04/20/07 14:23 / bws
Solids, Total Dissolved Calculated	7140	mg/L				Calculation	04/20/07 14:23 / bws
TDS Balance (0.80 - 1.20)	1.09	dec. %				Calculation	04/20/07 14:23 / bws
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/20/07 20:53 / dkh
Bromoform	ND	ug/L		0.50		E624	04/20/07 20:53 / dkh
Chlorodibromomethane	ND	ug/L		0.50		E624	04/20/07 20:53 / dkh
Chloroform	134	ug/L	D	10		E624	04/20/07 16:34 / dkh
Trihalomethanes, Total	134	ug/L		0.50		E624	04/20/07 20:53 / dkh
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC			80-120	E624	04/20/07 20:53 / dkh
Surr: Dibromofluoromethane	97.0	%REC			80-120	E624	04/20/07 20:53 / dkh
Surr: p-Bromofluorobenzene	102	%REC			80-120	E624	04/20/07 20:53 / dkh
Surr: Toluene-d8	97.0	%REC			80-120	E624	04/20/07 20:53 / dkh

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



**UNC Mining and Milling ChurchRock Operations**  
**GroundWater Monitoring Summary: Zone 1 Monitor Wells**

Well ID:	515-A	515-A	515-A	515-A	
Collection Date:	4/11/2007	1/10/2007	10/4/2006	7/19/2006	
Receive Date:	4/13/2007	1/12/2007	10/6/2006	7/21/2006	
Report Date:	5/9/2007	2/20/2007	11/8/2006	8/18/2006	
Analyte	Units	C07040670-002	C07010492-002	C06100374-002	C06070999-002
Bicarbonate as HCO3	mg/L	ND(1)	220	202	215
Calcium	mg/L	475	448	461	494
Chloride	mg/L	246	245	238	253
Magnesium	mg/L	874	807	813	825
Nitrogen, Ammonia as N	mg/L	5.87	5.2	5.84	4.61
Nitrogen, Nitrate+Nitrite as N	mg/L	63	58	61	62
Potassium	mg/L	16.0	14.0	14.4	14.1
Sodium	mg/L	424	388	423	436
Sulfate	mg/L	4800	4640	4280	4540
pH	s.u.	6.12	5.86	5.86	5.97
Solids, Total Dissolved TDS @ 180 C	mg/L	7770	7850	7710	7460
Aluminum	mg/L	0.8	0.4	0.9	0.7
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.06	0.04	0.05	0.05
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	15.5	15.1	16.1	14.7
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.24	0.20	0.24	0.22
Uranium	mg/L	0.0009	0.0006	0.0021	0.0007
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	2.3	1.4	1.2	1.7
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.6	0.5	0.5	0.7
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	1.3	2.0	1.3	1.6
Radium 226 precision (±)	pCi/L	0.4	0.4	0.5	0.5
Radium 228	pCi/L	3.4	ND(1.0)	4.0	1.8
Radium 228 precision (±)	pCi/L	0.8		1.0	0.7
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)		2.06	-1.69	3.26	1.72
Anions		111	111	103	109
Cations		116	108	110	113
Solids, Total Dissolved Calculated		7140	6920	6610	6960
TDS Balance (0.80 - 1.20)		1.09	1.13	1.17	1.07
Trihalomethanes, Total	ug/L	134	105	176	NA
Chloroform	ug/L	134	105	176	173

**\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.**



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07010492-003  
 Client Sample ID: 604

Report Date: 02/20/07  
 Collection Date: 01/10/07 10:20  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	20	mg/L		1		A2320 B	01/15/07 11:14 / jaj
Calcium	417	mg/L	D	0.6		E200.7	01/18/07 13:54 / ts
Chloride	58	mg/L		1		E200.7	01/18/07 13:51 / ts
Magnesium	779	mg/L	D	0.5		E200.7	01/18/07 13:54 / ts
Nitrogen, Ammonia as N	0.32	mg/L		0.05		A4500-NH <sub>3</sub> G	01/15/07 12:51 / jal
Nitrogen, Nitrate+Nitrite as N	68	mg/L	D	2		E353.2	01/16/07 15:31 / jal
Potassium	11.6	mg/L		0.5		E200.7	01/18/07 13:51 / ts
Sodium	256	mg/L		0.5		E200.7	01/18/07 13:51 / ts
Sulfate	4460	mg/L	D	8		E200.7	01/18/07 13:54 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	4.99	s.u.		0.01		A4500-H B	01/15/07 13:43 / lm
Solids, Total Dissolved TDS @ 180 C	7270	mg/L		10		A2540 C	01/15/07 16:37 / lm
<b>METALS - TOTAL</b>							
Aluminum	5.8	mg/L		0.1		E200.8	01/13/07 04:42 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/15/07 13:55 / bas
Cadmium	ND	mg/L		0.005		E200.8	01/13/07 04:42 / bws
Cobalt	0.23	mg/L		0.01		E200.8	01/15/07 13:55 / bas
Lead	ND	mg/L		0.05		E200.8	01/13/07 04:42 / bws
Manganese	10.4	mg/L		0.01		E200.8	01/15/07 13:55 / bas
Molybdenum	ND	mg/L		0.1		E200.8	01/13/07 04:42 / bws
Nickel	0.28	mg/L		0.05		E200.8	01/13/07 04:42 / bws
Uranium	0.0011	mg/L		0.0003		E200.8	01/15/07 13:55 / bas
Vanadium	ND	mg/L		0.1		E200.8	01/13/07 04:42 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	01/16/07 13:54 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	01/16/07 09:53 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	1.9	pCi/L		1.0		E900.1	01/29/07 15:05 / res
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	01/29/07 15:05 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/15/07 12:00 / plj
Radium 226	2.7	pCi/L		0.2		E903.0	01/29/07 12:07 / trs
Radium 226 precision (±)	0.5	pCi/L				E903.0	01/29/07 12:07 / trs
Radium 228	4.2	pCi/L		1.0		RA-05	01/23/07 12:54 / plj
Radium 228 precision (±)	0.8	pCi/L				RA-05	01/23/07 12:54 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/24/07 15:00 / dmf

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.





LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07010492-003  
 Client Sample ID: 604

Report Date: 02/20/07  
 Collection Date: 01/10/07 10:20  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	-0.952	%				Calculation	02/06/07 15:09 / tjp
Anions	99.6	meq/L				Calculation	02/06/07 15:09 / tjp
Cations	97.7	meq/L				Calculation	02/06/07 15:09 / tjp
Solids, Total Dissolved Calculated	6310	mg/L				Calculation	02/06/07 15:09 / tjp
TDS Balance (0.80 - 1.20)	1.15	dec. %				Calculation	02/06/07 15:09 / tjp
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/17/07 01:15 / jlr
Bromoform	ND	ug/L		0.50		E624	01/17/07 01:15 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	01/17/07 01:15 / jlr
Chloroform	5.24	ug/L		0.50		E624	01/17/07 01:15 / jlr
Trihalomethanes, Total	5.24	ug/L		0.50		E624	01/17/07 01:15 / jlr
Surr: 1,2-Dichlorobenzene-d4	94.0	%REC			80-120	E624	01/17/07 01:15 / jlr
Surr: Dibromofluoromethane	96.0	%REC			80-120	E624	01/17/07 01:15 / jlr
Surr: p-Bromofluorobenzene	97.0	%REC			80-120	E624	01/17/07 01:15 / jlr
Surr: Toluene-d8	100	%REC			80-120	E624	01/17/07 01:15 / jlr

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07040670-003  
 Client Sample ID: 604

Report Date: 05/09/07  
 Collection Date: 04/11/07 10:51  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	12	mg/L		1		A2320 B	04/16/07 13:18 / jaj
Calcium	447	mg/L	D	1		E200.7	04/19/07 16:23 / ts
Chloride	62	mg/L		1		E200.7	04/19/07 16:19 / ts
Magnesium	833	mg/L	D	1		E200.7	04/19/07 16:23 / ts
Nitrogen, Ammonia as N	0.10	mg/L		0.05		A4500-NH <sub>3</sub> G	04/17/07 11:44 / jal
Nitrogen, Nitrate+Nitrite as N	76	mg/L	D	2		E353.2	04/16/07 14:30 / ljl
Potassium	13.4	mg/L		0.5		E200.7	04/19/07 16:19 / ts
Sodium	271	mg/L		0.5		E200.7	04/19/07 16:19 / ts
Sulfate	4600	mg/L	D	2		E200.7	04/19/07 16:23 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	5.00	s.u.		0.01		A4500-H B	04/16/07 10:23 / bas
Solids, Total Dissolved TDS @ 180 C	7240	mg/L		10		A2540 C	04/16/07 12:52 / bas
<b>METALS - TOTAL</b>							
Aluminum	6.3	mg/L		0.1		E200.8	04/19/07 02:36 / sml
Beryllium	ND	mg/L		0.01		E200.8	04/18/07 03:23 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/17/07 00:24 / sml
Cobalt	0.26	mg/L		0.01		E200.8	04/17/07 00:24 / sml
Lead	ND	mg/L		0.05		E200.8	04/17/07 00:24 / sml
Manganese	10.2	mg/L		0.01		E200.8	04/18/07 03:23 / sml
Molybdenum	ND	mg/L		0.1		E200.8	04/17/07 00:24 / sml
Nickel	0.30	mg/L		0.05		E200.8	04/17/07 00:24 / sml
Uranium	0.0010	mg/L		0.0003		E200.8	04/18/07 03:23 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/17/07 00:24 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	04/26/07 13:30 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	04/25/07 16:18 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	4.2	pCi/L		1.0		E900.1	04/27/07 16:20 / res
Gross Alpha minus Rn & U Precision (±)	0.8	pCi/L				E900.1	04/27/07 16:20 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/18/07 12:00 / plj
Radium 226	1.7	pCi/L		0.2		E903.0	04/30/07 15:52 / trs
Radium 226 precision (±)	0.4	pCi/L				E903.0	04/30/07 15:52 / trs
Radium 228	6.0	pCi/L		1.0		RA-05	04/24/07 16:24 / plj
Radium 228 precision (±)	0.9	pCi/L				RA-05	04/24/07 16:24 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	04/23/07 15:00 / dmf

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07040670-003  
 Client Sample ID: 604

Report Date: 05/09/07  
 Collection Date: 04/11/07 10:51  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	0.594	%				Calculation	04/20/07 14:23 / bws
Anions	103	meq/L				Calculation	04/20/07 14:23 / bws
Cations	104	meq/L				Calculation	04/20/07 14:23 / bws
Solids, Total Dissolved Calculated	6590	mg/L				Calculation	04/20/07 14:23 / bws
TDS Balance (0.80 - 1.20)	1.10	dec. %				Calculation	04/20/07 14:23 / bws
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/21/07 05:57 / dkh
Bromoform	ND	ug/L		0.50		E624	04/21/07 05:57 / dkh
Chlorodibromomethane	ND	ug/L		0.50		E624	04/21/07 05:57 / dkh
Chloroform	5.92	ug/L		0.50		E624	04/21/07 05:57 / dkh
Trihalomethanes, Total	5.92	ug/L		0.50		E624	04/21/07 05:57 / dkh
Surr: 1,2-Dichlorobenzene-d4	99.0	%REC			80-120	E624	04/21/07 05:57 / dkh
Surr: Dibromofluoromethane	96.0	%REC			80-120	E624	04/21/07 05:57 / dkh
Surr: p-Bromofluorobenzene	102	%REC			80-120	E624	04/21/07 05:57 / dkh
Surr: Toluene-d8	98.0	%REC			80-120	E624	04/21/07 05:57 / dkh

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



**UNC Mining and Milling ChurchRock Operations**  
**GroundWater Monitoring Summary: Zone 1 Monitor Wells**

Well ID:	604	604	604	604	
Collection Date:	4/11/2007	1/10/2007	10/4/2006	7/19/2006	
Receive Date:	4/13/2007	1/12/2007	10/6/2006	7/21/2006	
Report Date:	5/9/2007	2/20/2007	11/8/2006	8/18/2006	
Analyte	Units	C07040670-003	C07010492-003	C06100374-003	C06070999-003
Bicarbonate as HCO3	mg/L	12	20	4	10
Calcium	mg/L	447	417	437	469
Chloride	mg/L	62	58	57	60
Magnesium	mg/L	833	779	792	810
Nitrogen, Ammonia as N	mg/L	0.10	0.32	0.54	0.41
Nitrogen, Nitrate+Nitrite as N	mg/L	76	68	74	69
Potassium	mg/L	13.4	11.6	12.1	12.6
Sodium	mg/L	271	256	277	292
Sulfate	mg/L	4600	4460	4230	4400
pH	s.u.	5.00	4.99	5.06	4.91
Solids, Total Dissolved TDS @ 180 C	mg/L	7240	7270	7170	7170
Aluminum	mg/L	6.3	5.8	8.1	8.0
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.26	0.23	0.26	0.25
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	10.2	10.4	10.8	10.3
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.30	0.28	0.32	0.29
Uranium	mg/L	0.0010	0.0011	0.0019	0.0013
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	4.2	1.9	2.2	1.7
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.8	0.5	0.6	0.7
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	1.7	2.7	1.5	1.4
Radium 226 precision (±)	pCi/L	0.4	0.5	0.5	0.5
Radium 228	pCi/L	6.0	4.2	7.3	4.7
Radium 228 precision (±)	pCi/L	0.9	0.8	1.0	0.8
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)		0.594	-0.952	3.13	3.09
Anions		103	99.6	94.9	98.5
Cations		104	97.7	101	105
Solids, Total Dissolved Calculated		6590	6310	6150	6380
TDS Balance (0.80 - 1.20)		1.10	1.15	1.17	1.12
Trihalomethanes, Total	ug/L	5.92	5.24	3.03	NA
Chloroform	ug/L	5.92	5.24	3.03	2.5

**\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.**



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07010492-001  
 Client Sample ID: 614

Report Date: 02/20/07  
 Collection Date: 01/10/07 08:58  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	1340	mg/L		1		A2320 B	01/15/07 11:06 / jaj
Calcium	559	mg/L	D	0.6		E200.7	01/18/07 13:25 / ts
Chloride	366	mg/L		1		E200.7	01/18/07 13:21 / ts
Magnesium	589	mg/L	D	0.5		E200.7	01/18/07 13:25 / ts
Nitrogen, Ammonia as N	50	mg/L	D	1		A4500-NH <sub>3</sub> G	01/15/07 12:47 / jal
Nitrogen, Nitrate+Nitrite as N	71	mg/L	D	2		E353.2	01/16/07 15:21 / jal
Potassium	11.2	mg/L		0.5		E200.7	01/18/07 13:21 / ts
Sodium	432	mg/L		0.5		E200.7	01/18/07 13:21 / ts
Sulfate	3040	mg/L	D	8		E200.7	01/18/07 13:25 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.89	s.u.		0.01		A4500-H B	01/15/07 13:40 / lm
Solids, Total Dissolved TDS @ 180 C	6510	mg/L		10		A2540 C	01/15/07 16:37 / lm
<b>METALS - TOTAL</b>							
Aluminum	0.1	mg/L		0.1		E200.8	01/13/07 04:27 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/15/07 13:40 / bas
Cadmium	ND	mg/L		0.005		E200.8	01/13/07 04:27 / bws
Cobalt	ND	mg/L		0.01		E200.8	01/15/07 13:40 / bas
Lead	ND	mg/L		0.05		E200.8	01/13/07 04:27 / bws
Manganese	0.39	mg/L		0.01		E200.8	01/15/07 13:40 / bas
Molybdenum	ND	mg/L		0.1		E200.8	01/13/07 04:27 / bws
Nickel	ND	mg/L		0.05		E200.8	01/13/07 04:27 / bws
Uranium	0.0452	mg/L		0.0003		E200.8	01/15/07 13:40 / bas
Vanadium	ND	mg/L		0.1		E200.8	01/13/07 04:27 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	01/16/07 14:30 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	01/16/07 09:49 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1		E900.1	01/29/07 15:05 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/15/07 12:00 / plj
Radium 226	1.2	pCi/L		0.2		E903.0	01/29/07 12:07 / trs
Radium 226 precision (±)	0.3	pCi/L				E903.0	01/29/07 12:07 / trs
Radium 228	1.9	pCi/L		1.0		RA-05	01/23/07 11:20 / plj
Radium 228 precision (±)	0.8	pCi/L				RA-05	01/23/07 11:20 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/24/07 15:00 / dmf

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07010492-001  
 Client Sample ID: 614

Report Date: 02/20/07  
 Collection Date: 01/10/07 08:58  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	-0.747	%				Calculation	02/06/07 15:08 / tjp
Anions	101	meq/L				Calculation	02/06/07 15:08 / tjp
Cations	99.0	meq/L				Calculation	02/06/07 15:08 / tjp
Solids, Total Dissolved Calculated	5990	mg/L				Calculation	02/06/07 15:08 / tjp
TDS Balance (0.80 - 1.20)	1.09	dec. %				Calculation	02/06/07 15:08 / tjp
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/17/07 03:10 / jlr
Bromoform	ND	ug/L		0.50		E624	01/17/07 03:10 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	01/17/07 03:10 / jlr
Chloroform	114	ug/L	D	5.0		E624	01/17/07 02:32 / jlr
Trihalomethanes, Total	114	ug/L		0.50		E624	01/17/07 03:10 / jlr
Surr: 1,2-Dichlorobenzene-d4	93.0	%REC			80-120	E624	01/17/07 03:10 / jlr
Surr: Dibromofluoromethane	106	%REC			80-120	E624	01/17/07 03:10 / jlr
Surr: p-Bromofluorobenzene	89.0	%REC			80-120	E624	01/17/07 03:10 / jlr
Surr: Toluene-d8	97.0	%REC			80-120	E624	01/17/07 03:10 / jlr

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07040670-001  
 Client Sample ID: 614

Report Date: 05/09/07  
 Collection Date: 04/11/07 09:47  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO3	1340	mg/L		1		A2320 B	04/16/07 13:06 / jaj
Calcium	580	mg/L	D	1		E200.7	04/19/07 15:53 / ts
Chloride	348	mg/L		1		E200.7	04/19/07 15:50 / ts
Magnesium	615	mg/L	D	1		E200.7	04/19/07 15:53 / ts
Nitrogen, Ammonia as N	57	mg/L	D	1		A4500-NH3 G	04/17/07 11:40 / jal
Nitrogen, Nitrate+Nitrite as N	80	mg/L	D	2		E353.2	04/16/07 14:15 / ljl
Potassium	11.1	mg/L		0.5		E200.7	04/19/07 15:50 / ts
Sodium	424	mg/L		0.5		E200.7	04/19/07 15:50 / ts
Sulfate	3060	mg/L	D	2		E200.7	04/19/07 15:53 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.19	s.u.		0.01		A4500-H B	04/16/07 10:21 / bas
Solids, Total Dissolved TDS @ 180 C	6480	mg/L		10		A2540 C	04/16/07 12:47 / bas
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.7	04/19/07 15:50 / ts
Beryllium	ND	mg/L		0.01		E200.8	04/18/07 02:37 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/18/07 02:37 / sml
Cobalt	ND	mg/L		0.01		E200.8	04/17/07 00:09 / sml
Lead	ND	mg/L		0.05		E200.8	04/18/07 02:37 / sml
Manganese	0.38	mg/L		0.01		E200.8	04/17/07 00:09 / sml
Molybdenum	ND	mg/L		0.1		E200.8	04/18/07 02:37 / sml
Nickel	ND	mg/L		0.05		E200.8	04/17/07 00:09 / sml
Uranium	0.0461	mg/L		0.0003		E200.8	04/18/07 02:37 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/17/07 00:09 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	04/26/07 13:26 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	04/25/07 16:14 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	1.5	pCi/L		1.0		E900.1	04/27/07 16:20 / res
Gross Alpha minus Rn & U Precision (±)	0.6	pCi/L				E900.1	04/27/07 16:20 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/18/07 12:00 / plj
Radium 226	0.7	pCi/L		0.2		E903.0	04/30/07 15:52 / trs
Radium 226 precision (±)	0.3	pCi/L				E903.0	04/30/07 15:52 / trs
Radium 228	2.4	pCi/L		1.0		RA-05	04/24/07 16:24 / plj
Radium 228 precision (±)	0.8	pCi/L				RA-05	04/24/07 16:24 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	04/23/07 15:00 / dmf

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07040670-001  
 Client Sample ID: 614

Report Date: 05/09/07  
 Collection Date: 04/11/07 09:47  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	0.539	%				Calculation	04/20/07 14:22 / bws
Anions	101	meq/L				Calculation	04/20/07 14:22 / bws
Cations	102	meq/L				Calculation	04/20/07 14:22 / bws
Solids, Total Dissolved Calculated	6080	mg/L				Calculation	04/20/07 14:22 / bws
TDS Balance (0.80 - 1.20)	1.07	dec. %				Calculation	04/20/07 14:22 / bws
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/20/07 20:16 / dkh
Bromoform	ND	ug/L		0.50		E624	04/20/07 20:16 / dkh
Chlorodibromomethane	ND	ug/L		0.50		E624	04/20/07 20:16 / dkh
Chloroform	113	ug/L	D	5.0		E624	04/20/07 19:01 / dkh
Trihalomethanes, Total	113	ug/L		0.50		E624	04/20/07 20:16 / dkh
Surr: 1,2-Dichlorobenzene-d4	100	%REC			80-120	E624	04/20/07 20:16 / dkh
Surr: Dibromofluoromethane	94.0	%REC			80-120	E624	04/20/07 20:16 / dkh
Surr: p-Bromofluorobenzene	100	%REC			80-120	E624	04/20/07 20:16 / dkh
Surr: Toluene-d8	98.0	%REC			80-120	E624	04/20/07 20:16 / dkh

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.





**UNC Mining and Milling ChurchRock Operations**  
**GroundWater Monitoring Summary: Zone 1 Monitor Wells**

Well ID:	614	614	614	614	
Collection Date:	4/11/2007	1/10/2007	10/4/2006	7/19/2006	
Receive Date:	4/13/2007	1/12/2007	10/6/2006	7/21/2006	
Report Date:	5/9/2007	2/20/2007	11/8/2006	8/18/2006	
Analyte	Units	C07040670-001	C07010492-001	C06100374-001	C06070999-001
Bicarbonate as HCO3	mg/L	1340	1340	1240	1350
Calcium	mg/L	580	559	577	618
Chloride	mg/L	348	366	332	350
Magnesium	mg/L	615	589	592	610
Nitrogen, Ammonia as N	mg/L	57	50	55	46
Nitrogen, Nitrate+Nitrite as N	mg/L	80	71	73	69
Potassium	mg/L	11.1	11.2	10.5	10.3
Sodium	mg/L	424	432	439	467
Sulfate	mg/L	3060	3040	2850	3040
pH	s.u.	6.19	6.89	6.86	6.83
Solids, Total Dissolved TDS @ 180 C	mg/L	6480	6510	6360	6240
Aluminum	mg/L	ND(0.1)	0.1	0.1	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	0.38	0.39	0.36	0.34
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0461	0.0452	0.0462	0.0507
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	1.5	ND(1)	ND(1.0)	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.6			
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	0.7	1.2	0.5	0.5
Radium 226 precision (±)	pCi/L	0.3	0.3	0.4	0.3
Radium 228	pCi/L	2.4	1.9	3.4	1.8
Radium 228 precision (±)	pCi/L	0.8	0.8	1.0	0.7
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)		0.539	-0.747	3.38	2.37
Anions		101	101	94.3	100
Cations		102	99.0	101	105
Solids, Total Dissolved Calculated		6080	5990	5750	6080
TDS Balance (0.80 - 1.20)		1.07	1.09	1.11	1.03
Trihalomethanes, Total	ug/L	113	114	125	NA
Chloroform	ug/L	113	114	125	62.8

**\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.**



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07010803-001  
 Client Sample ID: TWQ-142

Report Date: 02/20/07  
 Collection Date: 01/15/07 09:50  
 Date Received: 01/22/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	251	mg/L		1		A2320 B	01/23/07 08:51 / jaj
Calcium	31.0	mg/L		0.5		E200.7	01/23/07 15:21 / ts
Chloride	19	mg/L		1		E200.7	01/23/07 15:21 / ts
Magnesium	15.4	mg/L		0.5		E200.7	01/23/07 15:21 / ts
Nitrogen, Ammonia as N	0.14	mg/L		0.05		A4500-NH <sub>3</sub> G	01/25/07 14:06 / ljl
Nitrogen, Nitrate+Nitrite as N	0.1	mg/L		0.1		E353.2	01/24/07 11:57 / ljl
Potassium	3.9	mg/L		0.5		E200.7	01/23/07 15:21 / ts
Sodium	315	mg/L		0.5		E200.7	01/23/07 15:21 / ts
Sulfate	599	mg/L		1		E200.7	01/23/07 15:21 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	7.92	s.u.		0.01		A4500-H B	01/23/07 08:15 / lm
Solids, Total Dissolved TDS @ 180 C	1070	mg/L		10		A2540 C	01/23/07 08:57 / lm
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	01/23/07 18:40 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/23/07 18:40 / bws
Cadmium	ND	mg/L		0.005		E200.8	01/23/07 18:40 / bws
Cobalt	ND	mg/L		0.01		E200.8	01/23/07 18:40 / bws
Lead	ND	mg/L		0.05		E200.8	01/23/07 18:40 / bws
Manganese	0.03	mg/L		0.01		E200.8	01/23/07 18:40 / bws
Molybdenum	ND	mg/L		0.1		E200.8	01/23/07 18:40 / bws
Nickel	ND	mg/L		0.05		E200.8	01/23/07 18:40 / bws
Uranium	ND	mg/L		0.0003		E200.8	01/23/07 18:40 / bws
Vanadium	ND	mg/L		0.1		E200.8	01/23/07 18:40 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	02/09/07 13:31 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	02/10/07 15:30 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	02/02/07 16:00 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/24/07 12:00 / plj
Radium 226	ND	pCi/L		0.2		E903.0	02/05/07 11:19 / trs
Radium 228	ND	pCi/L		1.0		RA-05	01/30/07 15:09 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/26/07 15:00 / dmf
<b>DATA QUALITY</b>							
A/C Balance (± 5)	-1.47	%				Calculation	01/25/07 13:38 / cp
Anions	17.1	meq/L				Calculation	01/25/07 13:38 / cp
Cations	16.6	meq/L				Calculation	01/25/07 13:38 / cp
Solids, Total Dissolved Calculated	1120	mg/L				Calculation	01/25/07 13:38 / cp
TDS Balance (0.80 - 1.20)	0.960	dec. %				Calculation	01/25/07 13:38 / cp

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07010803-001  
 Client Sample ID: TWQ-142

Report Date: 02/20/07  
 Collection Date: 01/15/07 09:50  
 Date Received: 01/22/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/23/07 18:27 / dkh
Bromoform	ND	ug/L		0.50		E624	01/23/07 18:27 / dkh
Chlorodibromomethane	ND	ug/L		0.50		E624	01/23/07 18:27 / dkh
Chloroform	ND	ug/L		0.50		E624	01/23/07 18:27 / dkh
Trihalomethanes, Total	ND	ug/L		0.50		E624	01/23/07 18:27 / dkh
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC			80-120	E624	01/23/07 18:27 / dkh
Surr: Dibromofluoromethane	106	%REC			80-120	E624	01/23/07 18:27 / dkh
Surr: p-Bromofluorobenzene	104	%REC			80-120	E624	01/23/07 18:27 / dkh
Surr: Toluene-d8	102	%REC			80-120	E624	01/23/07 18:27 / dkh

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07040990-004  
 Client Sample ID: TWQ-142

Report Date: 06/07/07  
 Collection Date: 04/16/07 13:02  
 Date Received: 04/20/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	257	mg/L		1		A2320 B	04/23/07 09:24 / jaj
Calcium	32.4	mg/L		0.5		E200.7	04/26/07 14:00 / ts
Chloride	21	mg/L		1		E200.7	04/26/07 14:00 / ts
Magnesium	17.0	mg/L		0.5		E200.7	04/26/07 14:00 / ts
Nitrogen, Ammonia as N	0.23	mg/L		0.05		A4500-NH3 G	04/24/07 14:44 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/23/07 14:39 / jal
Potassium	4.1	mg/L		0.5		E200.7	04/26/07 14:00 / ts
Sodium	325	mg/L		0.5		E200.7	04/26/07 14:00 / ts
Sulfate	644	mg/L		1		E200.7	04/26/07 14:00 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	7.79	s.u.		0.01		A4500-H B	04/23/07 10:22 / bas
Solids, Total Dissolved TDS @ 180 C	1070	mg/L		10		A2540 C	04/23/07 15:55 / bas
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	04/26/07 23:07 / aln
Beryllium	ND	mg/L		0.01		E200.8	04/26/07 23:07 / aln
Cadmium	ND	mg/L		0.005		E200.8	04/26/07 04:22 / sml
Cobalt	ND	mg/L		0.01		E200.8	04/26/07 23:07 / aln
Lead	ND	mg/L		0.05		E200.8	04/26/07 04:22 / sml
Manganese	ND	mg/L		0.01		E200.8	04/26/07 23:07 / aln
Molybdenum	ND	mg/L		0.1		E200.8	04/26/07 04:22 / sml
Nickel	ND	mg/L		0.05		E200.8	04/26/07 04:22 / sml
Uranium	ND	mg/L		0.0003		E200.8	04/26/07 04:22 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/26/07 23:07 / aln
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	05/05/07 12:47 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	05/11/07 08:39 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	05/09/07 15:19 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/25/07 12:30 / plj
Radium 226	ND	pCi/L		0.2		E903.0	05/07/07 14:49 / trs
Radium 228	ND	pCi/L		1.0		RA-05	05/02/07 13:41 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	04/26/07 15:00 / dmf

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07040990-004  
 Client Sample ID: TWQ-142

Report Date: 06/07/07  
 Collection Date: 04/16/07 13:02  
 Date Received: 04/20/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	-2.61	%				Calculation	04/27/07 12:41 / bws
Anions	18.2	meq/L				Calculation	04/27/07 12:41 / bws
Cations	17.3	meq/L				Calculation	04/27/07 12:41 / bws
Solids, Total Dissolved Calculated	1180	mg/L				Calculation	04/27/07 12:41 / bws
TDS Balance (0.80 - 1.20)	0.910	dec. %				Calculation	04/27/07 12:41 / bws
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/24/07 07:48 / jlr
Bromoform	ND	ug/L		0.50		E624	04/24/07 07:48 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/24/07 07:48 / jlr
Chloroform	ND	ug/L		0.50		E624	04/24/07 07:48 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	04/24/07 07:48 / jlr
Surr: 1,2-Dichlorobenzene-d4	102	%REC			80-120	E624	04/24/07 07:48 / jlr
Surr: Dibromofluoromethane	114	%REC			80-120	E624	04/24/07 07:48 / jlr
Surr: p-Bromofluorobenzene	98.0	%REC			80-120	E624	04/24/07 07:48 / jlr
Surr: Toluene-d8	102	%REC			80-120	E624	04/24/07 07:48 / jlr

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



**UNC Mining and Milling ChurchRock Operations**  
**GroundWater Monitoring Summary: Zone 1 Monitor Wells**

Well ID:	TWQ-142	TWQ-142	TWQ-142	TWQ-142	
Collection Date:	4/16/2007	1/15/2007	10/9/2006	7/24/2006	
Receive Date:	4/20/2007	1/22/2007	10/13/2006	7/28/2006	
Report Date:	6/7/2007	2/20/2007	11/10/2006	8/30/2006	
Analyte	Units	C07040990-004	C07010803-001	C06100700-001	C06071321-001
Bicarbonate as HCO3	mg/L	257	251	249	249
Calcium	mg/L	32.4	31.0	29.1	27.4
Chloride	mg/L	21	19	18	19
Magnesium	mg/L	17.0	15.4	13.9	12.6
Nitrogen, Ammonia as N	mg/L	0.23	0.14	0.20	0.08
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	0.1	ND(0.1)	ND(0.1)
Potassium	mg/L	4.1	3.9	3.5	3.5
Sodium	mg/L	325	315	322	343
Sulfate	mg/L	644	599	578	583
pH	s.u.	7.79	7.92	7.79	7.45
Solids, Total Dissolved TDS @ 180 C	mg/L	1070	1070	986	998
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	ND(0.01)	0.03	0.05	0.04
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	ND(0.0003)	ND(0.0003)	ND(0.0003)	ND(0.0003)
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	0.001	0.001
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	0.002	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L				
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Radium 226 precision (±)	pCi/L				
Radium 228	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	2.8
Radium 228 precision (±)	pCi/L				0.8
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	-2.61	-1.47	0.254	1.91
Anions	meq/L	18.2	17.1	16.6	16.8
Cations	meq/L	17.3	16.6	16.7	17.4
Solids, Total Dissolved Calculated	mg/L	1180	1120	1100	1120
TDS Balance (0.80 - 1.20)	dec. %	0.910	0.960	0.900	0.890
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	NA
Chloroform	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(1.0)

**\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.**



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07010803-002  
 Client Sample ID: EPA-2

Report Date: 02/20/07  
 Collection Date: 01/16/07 14:26  
 Date Received: 01/22/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO3	310	mg/L		1		A2320 B	01/23/07 08:54 / jaj
Calcium	352	mg/L	D	0.6		E200.7	01/23/07 15:38 / ts
Chloride	22	mg/L		1		E200.7	01/23/07 15:34 / ts
Magnesium	161	mg/L	D	0.5		E200.7	01/23/07 15:38 / ts
Nitrogen, Ammonia as N	0.29	mg/L		0.05		A4500-NH3 G	01/25/07 14:14 / ljl
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	01/24/07 11:59 / ljl
Potassium	6.5	mg/L		0.5		E200.7	01/23/07 15:34 / ts
Sodium	186	mg/L		0.5		E200.7	01/23/07 15:34 / ts
Sulfate	1520	mg/L		1		E200.7	01/23/07 15:34 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	7.32	s.u.		0.01		A4500-H B	01/23/07 08:15 / lm
Solids, Total Dissolved TDS @ 180 C	2580	mg/L		10		A2540 C	01/23/07 08:58 / lm
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	01/23/07 18:47 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/23/07 18:47 / bws
Cadmium	ND	mg/L		0.005		E200.8	01/23/07 18:47 / bws
Cobalt	ND	mg/L		0.01		E200.8	01/23/07 18:47 / bws
Lead	ND	mg/L		0.05		E200.8	01/23/07 18:47 / bws
Manganese	1.18	mg/L		0.01		E200.8	01/23/07 18:47 / bws
Molybdenum	ND	mg/L		0.1		E200.8	01/23/07 18:47 / bws
Nickel	ND	mg/L		0.05		E200.8	01/23/07 18:47 / bws
Uranium	0.0012	mg/L		0.0003		E200.8	01/23/07 18:47 / bws
Vanadium	ND	mg/L		0.1		E200.8	01/23/07 18:47 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	02/09/07 13:33 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	02/10/07 15:32 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	1.8	pCi/L		1.0		E900.1	02/02/07 16:00 / res
Gross Alpha minus Rn & U Precision (±)	0.8	pCi/L				E900.1	02/02/07 16:00 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/24/07 12:00 / plj
Radium 226	1.4	pCi/L		0.2		E903.0	02/05/07 14:34 / trs
Radium 226 precision (±)	0.4	pCi/L				E903.0	02/05/07 14:34 / trs
Radium 228	2.9	pCi/L		1.0		RA-05	01/30/07 15:09 / plj
Radium 228 precision (±)	1.1	pCi/L				RA-05	01/30/07 15:09 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/26/07 15:00 / dmf

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.

D - RL increased due to sample matrix interference.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07010803-002  
 Client Sample ID: EPA-2

Report Date: 02/20/07  
 Collection Date: 01/16/07 14:26  
 Date Received: 01/22/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	2.93	%				Calculation	01/25/07 13:38 / cp
Anions	37.3	meq/L				Calculation	01/25/07 13:38 / cp
Cations	39.5	meq/L				Calculation	01/25/07 13:38 / cp
Solids, Total Dissolved Calculated	2420	mg/L				Calculation	01/25/07 13:38 / cp
TDS Balance (0.80 - 1.20)	1.07	dec. %				Calculation	01/25/07 13:38 / cp
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/23/07 19:05 / dkh
Bromoform	ND	ug/L		0.50		E624	01/23/07 19:05 / dkh
Chlorodibromomethane	ND	ug/L		0.50		E624	01/23/07 19:05 / dkh
Chloroform	ND	ug/L		0.50		E624	01/23/07 19:05 / dkh
Trihalomethanes, Total	ND	ug/L		0.50		E624	01/23/07 19:05 / dkh
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC			80-120	E624	01/23/07 19:05 / dkh
Surr: Dibromofluoromethane	110	%REC			80-120	E624	01/23/07 19:05 / dkh
Surr: p-Bromofluorobenzene	104	%REC			80-120	E624	01/23/07 19:05 / dkh
Surr: Toluene-d8	103	%REC			80-120	E624	01/23/07 19:05 / dkh

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.





LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07040990-005  
 Client Sample ID: EPA-2

Report Date: 06/07/07  
 Collection Date: 04/16/07 14:29  
 Date Received: 04/20/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	342	mg/L		1		A2320 B	04/23/07 09:26 / jaj
Calcium	343	mg/L	D	1		E200.7	04/26/07 14:46 / ts
Chloride	22	mg/L		1		E200.7	04/26/07 14:42 / ts
Magnesium	157	mg/L	D	1		E200.7	04/26/07 14:46 / ts
Nitrogen, Ammonia as N	0.41	mg/L		0.05		A4500-NH3 G	04/25/07 10:34 / ljl
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/23/07 14:46 / jal
Potassium	6.4	mg/L		0.5		E200.7	04/26/07 14:42 / ts
Sodium	182	mg/L		0.5		E200.7	04/26/07 14:42 / ts
Sulfate	1420	mg/L		1		E200.7	04/26/07 14:42 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	7.25	s.u.		0.01		A4500-H B	04/23/07 10:24 / bas
Solids, Total Dissolved TDS @ 180 C	2590	mg/L		10		A2540 C	04/23/07 15:56 / bas
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	04/26/07 23:14 / aln
Beryllium	ND	mg/L		0.01		E200.8	04/26/07 23:14 / aln
Cadmium	ND	mg/L		0.005		E200.8	04/26/07 04:30 / sml
Cobalt	ND	mg/L		0.01		E200.8	04/26/07 23:14 / aln
Lead	ND	mg/L		0.05		E200.8	04/26/07 04:30 / sml
Manganese	1.28	mg/L		0.01		E200.8	04/26/07 23:14 / aln
Molybdenum	ND	mg/L		0.1		E200.8	04/26/07 04:30 / sml
Nickel	ND	mg/L		0.05		E200.8	04/26/07 04:30 / sml
Uranium	0.0013	mg/L	D	0.0004		E200.8	04/26/07 04:30 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/26/07 23:14 / aln
<b>METALS - SPECIATED</b>							
Arsenic-III	0.002	mg/L		0.001		A3114 B	05/08/07 14:29 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	05/11/07 08:42 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	1.8	pCi/L		1.0		E900.1	05/09/07 15:19 / res
Gross Alpha minus Rn & U Precision (±)	0.4	pCi/L				E900.1	05/09/07 15:19 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/25/07 12:30 / plj
Radium 226	1.2	pCi/L		0.2		E903.0	05/07/07 14:49 / trs
Radium 226 precision (±)	0.4	pCi/L				E903.0	05/07/07 14:49 / trs
Radium 228	2.2	pCi/L		1.0		RA-05	05/02/07 13:41 / plj
Radium 228 precision (±)	0.9	pCi/L				RA-05	05/02/07 13:41 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	04/26/07 15:00 / dmf

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07040990-005  
 Client Sample ID: EPA-2

Report Date: 06/07/07  
 Collection Date: 04/16/07 14:29  
 Date Received: 04/20/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	3.41	%				Calculation	04/27/07 12:42 / bws
Anions	35.7	meq/L				Calculation	04/27/07 12:42 / bws
Cations	38.2	meq/L				Calculation	04/27/07 12:42 / bws
Solids, Total Dissolved Calculated	2320	mg/L				Calculation	04/27/07 12:42 / bws
TDS Balance (0.80 - 1.20)	1.12	dec. %				Calculation	04/27/07 12:42 / bws
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/24/07 08:30 / jlr
Bromoform	ND	ug/L		0.50		E624	04/24/07 08:30 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/24/07 08:30 / jlr
Chloroform	ND	ug/L		0.50		E624	04/24/07 08:30 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	04/24/07 08:30 / jlr
Surr: 1,2-Dichlorobenzene-d4	108	%REC			80-120	E624	04/24/07 08:30 / jlr
Surr: Dibromofluoromethane	111	%REC			80-120	E624	04/24/07 08:30 / jlr
Surr: p-Bromofluorobenzene	100	%REC			80-120	E624	04/24/07 08:30 / jlr
Surr: Toluene-d8	103	%REC			80-120	E624	04/24/07 08:30 / jlr

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



UNC Mining and Milling ChurchRock Operations  
 GroundWater Monitoring Summary: Zone 1 Monitor Wells

Well ID:	EPA-2	EPA-2	EPA-2	EPA-2	
Collection Date:	4/16/2007	1/16/2007	10/10/2006	7/25/2006	
Receive Date:	4/20/2007	1/22/2007	10/13/2006	7/28/2006	
Report Date:	6/7/2007	2/20/2007	11/10/2006	8/30/2006	
Analyte	Units	C07040990-005	C07010803-002	C06100700-002	C06071321-002
Bicarbonate as HCO <sub>3</sub>	mg/L	342	310	335	321
Calcium	mg/L	343	352	352	346
Chloride	mg/L	22	22	20	21
Magnesium	mg/L	157	161	158	154
Nitrogen, Ammonia as N	mg/L	0.41	0.29	0.49	0.68
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Potassium	mg/L	6.4	6.5	6.3	6.2
Sodium	mg/L	182	186	195	204
Sulfate	mg/L	1420	1520	1490	1550
pH	s. u.	7.25	7.32	7.26	7.24
Solids, Total Dissolved TDS @ 180 C	mg/L	2590	2580	2490	2540
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	1.28	1.18	1.23	1.24
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0013	0.0012	0.0011	0.0011
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.002	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	1.8	1.8	1.7	1.2
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.4	0.8	0.8	0.8
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	1.2	1.4	1.4	1.3
Radium 226 precision (±)	pCi/L	0.4	0.4	0.5	0.5
Radium 228	pCi/L	2.2	2.9	1.2	6.6
Radium 228 precision (±)	pCi/L	0.9	1.1	0.8	0.9
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	3.41	2.93	3.30	1.60
Anions	meq/L	35.7	37.3	37.2	38.2
Cations	meq/L	38.2	39.5	39.7	39.4
Solids, Total Dissolved Calculated	mg/L	2320	2420	2410	2470
TDS Balance (0.80 - 1.20)	dec. %	1.12	1.07	1.03	1.03
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	NA
Chloroform	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(1.0)

\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07010982-001  
 Client Sample ID: EPA-4

Report Date: 02/21/07  
 Collection Date: 01/23/07 09:38  
 Date Received: 01/25/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	165	mg/L		1		A2320 B	01/26/07 09:11 / jaj
Calcium	534	mg/L	D	0.6		E200.7	01/30/07 16:17 / ts
Chloride	40	mg/L		1		E200.7	01/30/07 16:14 / ts
Magnesium	376	mg/L	D	0.5		E200.7	01/30/07 16:17 / ts
Nitrogen, Ammonia as N	0.77	mg/L		0.05		A4500-NH3 G	01/29/07 11:45 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	01/30/07 14:21 / ljl
Potassium	9.3	mg/L		0.5		E200.7	01/30/07 16:14 / ts
Sodium	187	mg/L		0.5		E200.7	01/30/07 16:14 / ts
Sulfate	2840	mg/L	D	8		E200.7	01/30/07 16:17 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.93	s.u.		0.01		A4500-H B	01/25/07 18:28 / lm
Solids, Total Dissolved TDS @ 180 C	4620	mg/L		10		A2540 C	01/25/07 17:07 / lm
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	01/26/07 13:09 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/26/07 20:15 / bws
Cadmium	ND	mg/L		0.005		E200.8	01/26/07 13:09 / bws
Cobalt	ND	mg/L		0.01		E200.8	01/26/07 13:09 / bws
Lead	ND	mg/L		0.05		E200.8	01/26/07 11:47 / bws
Manganese	3.54	mg/L		0.01		E200.8	01/26/07 13:09 / bws
Molybdenum	ND	mg/L		0.1		E200.8	01/26/07 13:09 / bws
Nickel	ND	mg/L		0.05		E200.8	01/26/07 13:09 / bws
Uranium	0.0004	mg/L		0.0003		E200.8	01/26/07 11:47 / bws
Vanadium	ND	mg/L		0.1		E200.8	01/26/07 13:09 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	02/14/07 13:34 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	02/10/07 16:17 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	3.1	pCi/L		1.0		E900.1	02/02/07 16:00 / res
Gross Alpha minus Rn & U Precision (±)	0.9	pCi/L				E900.1	02/02/07 16:00 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/30/07 12:00 / plj
Radium 226	1.0	pCi/L		0.2		E903.0	02/12/07 12:38 / trs
Radium 226 precision (±)	0.3	pCi/L				E903.0	02/12/07 12:38 / trs
Radium 228	ND	pCi/L		1.0		RA-05	02/06/07 17:17 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/26/07 15:00 / dmf

Report: RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07010982-001  
 Client Sample ID: EPA-4

Report Date: 02/21/07  
 Collection Date: 01/23/07 09:38  
 Date Received: 01/25/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	3.04	%				Calculation	02/20/07 17:07 / ks
Anions	62.9	meq/L				Calculation	02/20/07 17:07 / ks
Cations	66.8	meq/L				Calculation	02/20/07 17:07 / ks
Solids, Total Dissolved Calculated	4090	mg/L				Calculation	02/20/07 17:07 / ks
TDS Balance (0.80 - 1.20)	1.13	dec. %				Calculation	02/20/07 17:07 / ks
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/26/07 18:29 / jlr
Bromoform	ND	ug/L		0.50		E624	01/26/07 18:29 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	01/26/07 18:29 / jlr
Chloroform	ND	ug/L		0.50		E624	01/26/07 18:29 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	01/26/07 18:29 / jlr
Surr: 1,2-Dichlorobenzene-d4	99.0	%REC			80-120	E624	01/26/07 18:29 / jlr
Surr: Dibromofluoromethane	94.0	%REC			80-120	E624	01/26/07 18:29 / jlr
Surr: p-Bromofluorobenzene	100	%REC			80-120	E624	01/26/07 18:29 / jlr
Surr: Toluene-d8	95.0	%REC			80-120	E624	01/26/07 18:29 / jlr

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



### LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07040990-001  
 Client Sample ID: EPA-4

Report Date: 06/07/07  
 Collection Date: 04/16/07 09:26  
 Date Received: 04/20/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	185	mg/L		1		A2320 B	04/23/07 09:17 / jaj
Calcium	542	mg/L	D	1		E200.7	04/26/07 13:36 / ts
Chloride	40	mg/L		1		E200.7	04/26/07 13:33 / ts
Magnesium	392	mg/L	D	1		E200.7	04/26/07 13:36 / ts
Nitrogen, Ammonia as N	0.82	mg/L		0.05		A4500-NH3 G	04/24/07 14:22 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/23/07 14:31 / jal
Potassium	8.7	mg/L		0.5		E200.7	04/26/07 13:33 / ts
Sodium	167	mg/L		0.5		E200.7	04/26/07 13:33 / ts
Sulfate	3060	mg/L	D	2		E200.7	04/26/07 13:36 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.82	s.u.		0.01		A4500-H B	04/23/07 10:17 / bas
Solids, Total Dissolved TDS @ 180 C	4560	mg/L		10		A2540 C	04/23/07 15:55 / bas
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.7	04/26/07 13:33 / ts
Beryllium	ND	mg/L		0.01		E200.8	04/26/07 03:07 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/26/07 03:07 / sml
Cobalt	ND	mg/L		0.01		E200.8	04/26/07 03:07 / sml
Lead	ND	mg/L		0.05		E200.8	04/26/07 03:07 / sml
Manganese	3.30	mg/L		0.01		E200.8	04/26/07 03:07 / sml
Molybdenum	ND	mg/L		0.1		E200.8	04/26/07 03:07 / sml
Nickel	ND	mg/L		0.05		E200.8	04/26/07 03:07 / sml
Uranium	0.0004	mg/L	D	0.0004		E200.8	04/26/07 03:07 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/26/07 03:07 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	05/05/07 12:40 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	05/11/07 08:33 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	1.1	pCi/L		1.0		E900.1	05/09/07 15:19 / res
Gross Alpha minus Rn & U Precision (±)	0.4	pCi/L				E900.1	05/09/07 15:19 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/25/07 12:30 / plj
Radium 226	1.0	pCi/L		0.2		E903.0	05/07/07 13:25 / trs
Radium 226 precision (±)	0.5	pCi/L				E903.0	05/07/07 13:25 / trs
Radium 228	ND	pCi/L		1.0		RA-05	05/02/07 12:06 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	04/26/07 15:00 / dmf

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07040990-001  
 Client Sample ID: EPA-4

Report Date: 06/07/07  
 Collection Date: 04/16/07 09:26  
 Date Received: 04/20/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	-0.596	%				Calculation	04/27/07 12:38 / bws
Anions	67.9	meq/L				Calculation	04/27/07 12:38 / bws
Cations	67.1	meq/L				Calculation	04/27/07 12:38 / bws
Solids, Total Dissolved Calculated	4320	mg/L				Calculation	04/27/07 12:38 / bws
TDS Balance (0.80 - 1.20)	1.06	dec. %				Calculation	04/27/07 12:38 / bws
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/24/07 05:03 / jlr
Bromoform	ND	ug/L		0.50		E624	04/24/07 05:03 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/24/07 05:03 / jlr
Chloroform	ND	ug/L		0.50		E624	04/24/07 05:03 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	04/24/07 05:03 / jlr
Surr: 1,2-Dichlorobenzene-d4	103	%REC			80-120	E624	04/24/07 05:03 / jlr
Surr: Dibromofluoromethane	112	%REC			80-120	E624	04/24/07 05:03 / jlr
Surr: p-Bromofluorobenzene	99.0	%REC			80-120	E624	04/24/07 05:03 / jlr
Surr: Toluene-d8	102	%REC			80-120	E624	04/24/07 05:03 / jlr

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



**UNC Mining and Milling ChurchRock Operations  
 GroundWater Monitoring Summary: Zone 1 Monitor Wells**

Well ID:	EPA-4	EPA-4	EPA-4	EPA-4	
Collection Date:	4/16/2007	1/23/2007	10/10/2006	7/25/2006	
Receive Date:	4/20/2007	1/25/2007	10/13/2006	7/28/2006	
Report Date:	6/7/2007	2/21/2007	11/10/2006	8/30/2006	
Analyte	Units	C07040990-001	C07010982-001	C06100700-004	C06071321-006
Bicarbonate as HCO3	mg/L	185	165	173	254
Calcium	mg/L	542	534	542	570
Chloride	mg/L	40	40	34	38
Magnesium	mg/L	392	376	374	388
Nitrogen, Ammonia as N	mg/L	0.82	0.77	0.78	0.81
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	0.2
Potassium	mg/L	8.7	9.3	8.5	9.2
Sodium	mg/L	167	187	186	196
Sulfate	mg/L	3060	2840	2830	3000
pH	s.u.	6.82	6.93	6.89	7.37
Solids, Total Dissolved TDS @ 180 C	mg/L	4560	4620	4330	4420
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	3.30	3.54	3.53	2.94
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0004	0.0004	0.0004	0.0005
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	1.1	3.1	1.4	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.4	0.9	0.8	
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	1.0	1.0	1.1	0.8
Radium 226 precision (±)	pCi/L	0.5	0.3	0.4	0.5
Radium 228	pCi/L	ND(1.0)	ND(1.0)	1.8	3.3
Radium 228 precision (±)	pCi/L			0.8	0.8
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	-0.596	3.04	3.26	1.58
Anions	meq/L	67.9	62.9	62.7	67.7
Cations	meq/L	67.1	66.8	66.9	69.9
Solids, Total Dissolved Calculated	mg/L	4320	4090	4080	4350
TDS Balance (0.80 - 1.20)	dec. %	1.06	1.13	1.06	1.02
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	NA
Chloroform	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(1.0)

**\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.**





LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07010982-002  
 Client Sample ID: EPA-5

Report Date: 02/21/07  
 Collection Date: 01/23/07 10:21  
 Date Received: 01/25/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	71	mg/L		1		A2320 B	01/26/07 09:15 / jaj
Calcium	468	mg/L	D	0.6		E200.7	01/30/07 16:24 / ts
Chloride	60	mg/L		1		E200.7	01/30/07 16:20 / ts
Magnesium	533	mg/L	D	0.5		E200.7	01/30/07 16:24 / ts
Nitrogen, Ammonia as N	8.6	mg/L	D	0.2		A4500-NH <sub>3</sub> G	01/29/07 11:47 / jal
Nitrogen, Nitrate+Nitrite as N	18.4	mg/L	D	0.2		E353.2	01/30/07 14:23 / ljl
Potassium	10	mg/L		0.5		E200.7	01/30/07 16:20 / ts
Sodium	127	mg/L		0.5		E200.7	01/30/07 16:20 / ts
Sulfate	3100	mg/L	D	8		E200.7	01/30/07 16:24 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.33	s.u.		0.01		A4500-H B	01/25/07 18:30 / lm
Solids, Total Dissolved TDS @ 180 C	4910	mg/L		10		A2540 C	01/25/07 17:08 / lm
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	01/26/07 13:01 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/30/07 18:46 / bws
Cadmium	ND	mg/L		0.005		E200.8	01/26/07 13:01 / bws
Cobalt	0.06	mg/L		0.01		E200.8	01/26/07 13:01 / bws
Lead	ND	mg/L		0.05		E200.8	01/26/07 13:01 / bws
Manganese	1.19	mg/L		0.01		E200.8	01/26/07 13:01 / bws
Molybdenum	ND	mg/L		0.1		E200.8	01/26/07 13:01 / bws
Nickel	0.05	mg/L		0.05		E200.8	01/26/07 13:01 / bws
Uranium	0.0013	mg/L	D	0.0004		E200.8	01/26/07 13:01 / bws
Vanadium	ND	mg/L		0.1		E200.8	01/26/07 13:01 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	02/14/07 13:36 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	02/10/07 16:19 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	4.1	pCi/L		1.0		E900.1	02/02/07 16:00 / res
Gross Alpha minus Rn & U Precision (±)	1.0	pCi/L				E900.1	02/02/07 16:00 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/30/07 12:00 / plj
Radium 226	1.2	pCi/L		0.2		E903.0	02/12/07 12:38 / trs
Radium 226 precision (±)	0.4	pCi/L				E903.0	02/12/07 12:38 / trs
Radium 228	ND	pCi/L		1.0		RA-05	02/06/07 17:17 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/26/07 15:00 / dmf

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07010982-002  
 Client Sample ID: EPA-5

Report Date: 02/21/07  
 Collection Date: 01/23/07 10:21  
 Date Received: 01/25/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	3.44	%				Calculation	02/20/07 17:23 / ks
Anions	68.8	meq/L				Calculation	02/20/07 17:23 / ks
Cations	73.7	meq/L				Calculation	02/20/07 17:23 / ks
Solids, Total Dissolved Calculated	4430	mg/L				Calculation	02/20/07 17:23 / ks
TDS Balance (0.80 - 1.20)	1.11	dec. %				Calculation	02/20/07 17:23 / ks
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/26/07 19:07 / jlr
Bromoform	ND	ug/L		0.50		E624	01/26/07 19:07 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	01/26/07 19:07 / jlr
Chloroform	ND	ug/L		0.50		E624	01/26/07 19:07 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	01/26/07 19:07 / jlr
Surr: 1,2-Dichlorobenzene-d4	100	%REC			80-120	E624	01/26/07 19:07 / jlr
Surr: Dibromofluoromethane	86.0	%REC			80-120	E624	01/26/07 19:07 / jlr
Surr: p-Bromofluorobenzene	100	%REC			80-120	E624	01/26/07 19:07 / jlr
Surr: Toluene-d8	100	%REC			80-120	E624	01/26/07 19:07 / jlr

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07040990-002  
 Client Sample ID: EPA-5

Report Date: 06/07/07  
 Collection Date: 04/16/07 10:34  
 Date Received: 04/20/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	73	mg/L		1		A2320 B	04/23/07 09:19 / jaj
Calcium	465	mg/L	D	1		E200.7	04/26/07 13:50 / ts
Chloride	63	mg/L		1		E200.7	04/26/07 13:46 / ts
Magnesium	537	mg/L	D	1		E200.7	04/26/07 13:50 / ts
Nitrogen, Ammonia as N	7.9	mg/L	D	0.2		A4500-NH3 G	04/24/07 14:15 / jal
Nitrogen, Nitrate+Nitrite as N	16.2	mg/L	D	0.2		E353.2	04/23/07 14:34 / jal
Potassium	9.7	mg/L		0.5		E200.7	04/26/07 13:46 / ts
Sodium	115	mg/L		0.5		E200.7	04/26/07 13:46 / ts
Sulfate	3280	mg/L	D	2		E200.7	04/26/07 13:50 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.30	s.u.		0.01		A4500-H B	04/23/07 10:18 / bas
Solids, Total Dissolved TDS @ 180 C	4940	mg/L		10		A2540 C	04/23/07 15:55 / bas
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	04/26/07 22:07 / aln
Beryllium	ND	mg/L		0.01		E200.8	04/26/07 22:07 / aln
Cadmium	ND	mg/L		0.005		E200.8	04/26/07 04:07 / sml
Cobalt	0.06	mg/L		0.01		E200.8	04/26/07 22:07 / aln
Lead	ND	mg/L		0.05		E200.8	04/26/07 04:07 / sml
Manganese	1.20	mg/L		0.01		E200.8	04/26/07 22:07 / aln
Molybdenum	ND	mg/L		0.1		E200.8	04/26/07 04:07 / sml
Nickel	0.05	mg/L		0.05		E200.8	04/26/07 04:07 / sml
Uranium	0.0014	mg/L		0.0003		E200.8	04/26/07 04:07 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/26/07 22:07 / aln
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	05/05/07 12:42 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	05/11/07 08:35 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	1.7	pCi/L		1.0		E900.1	05/09/07 15:19 / res
Gross Alpha minus Rn & U Precision (±)	0.4	pCi/L				E900.1	05/09/07 15:19 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/25/07 12:30 / plj
Radium 226	0.8	pCi/L		0.2		E903.0	05/07/07 14:49 / trs
Radium 226 precision (±)	0.3	pCi/L				E903.0	05/07/07 14:49 / trs
Radium 228	ND	pCi/L		1.0		RA-05	05/02/07 13:40 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	04/26/07 15:00 / dmf

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

D - RL increased due to sample matrix interference.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07040990-002  
 Client Sample ID: EPA-5

Report Date: 06/07/07  
 Collection Date: 04/16/07 10:34  
 Date Received: 04/20/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	0.511	%				Calculation	04/27/07 12:39 / bws
Anions	72.5	meq/L				Calculation	04/27/07 12:39 / bws
Cations	73.3	meq/L				Calculation	04/27/07 12:39 / bws
Solids, Total Dissolved Calculated	4590	mg/L				Calculation	04/27/07 12:39 / bws
TDS Balance (0.80 - 1.20)	1.08	dec. %				Calculation	04/27/07 12:39 / bws
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/24/07 06:25 / jlr
Bromoform	ND	ug/L		0.50		E624	04/24/07 06:25 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/24/07 06:25 / jlr
Chloroform	ND	ug/L		0.50		E624	04/24/07 06:25 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	04/24/07 06:25 / jlr
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	E624	04/24/07 06:25 / jlr
Surr: Dibromofluoromethane	115	%REC			80-120	E624	04/24/07 06:25 / jlr
Surr: p-Bromofluorobenzene	96.0	%REC			80-120	E624	04/24/07 06:25 / jlr
Surr: Toluene-d8	100	%REC			80-120	E624	04/24/07 06:25 / jlr

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



UNC Mining and Milling ChurchRock Operations  
 Groundwater Monitoring Summary: Zone 1 Monitor Wells

Well ID:	EPA-5	EPA-5	EPA-5	EPA-5	
Collection Date:	4/16/2007	1/23/2007	10/10/2006	10/10/2006	
Receive Date:	4/20/2007	1/25/2007	10/13/2006	10/13/2006	
Report Date:	6/7/2007	2/21/2007	11/10/2006	11/10/2006	
Analyte	Units	C07040990-002	C07010982-002	C06100700-005	C06071321-005
Bicarbonate as HCO <sub>3</sub>	mg/L	73	71	70	72
Calcium	mg/L	465	468	471	490
Chloride	mg/L	63	60	55	62
Magnesium	mg/L	537	533	525	541
Nitrogen, Ammonia as N	mg/L	7.9	8.6	8.4	8.1
Nitrogen, Nitrate+Nitrite as N	mg/L	16.2	18.4	20.4	20.5
Potassium	mg/L	9.7	10	9.8	10.1
Sodium	mg/L	115	127	129	134
Sulfate	mg/L	3280	3100	3080	3290
pH	s.u.	6.30	6.33	6.43	6.40
Solids, Total Dissolved TDS @ 180 C	mg/L	4940	4910	4960	4710
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.06	0.06	0.06	0.06
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	1.20	1.19	1.16	1.03
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.05	0.05	0.06	ND(0.05)
Uranium	mg/L	0.0014	0.0013	0.0012	0.0016
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	0.001	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	1.7	4.1	2.2	2.0
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.4	1.0	0.9	0.9
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	0.8	1.2	1.2	1.2
Radium 226 precision (±)	pCi/L	0.3	0.4	0.4	0.5
Radium 228	pCi/L	ND(1.0)	ND(1.0)	2.2	4.0
Radium 228 precision (±)	pCi/L			0.8	0.8
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	0.511	3.44	3.56	1.94
Anions	meq/L	72.5	68.8	68.2	72.9
Cations	meq/L	73.3	73.7	73.3	75.7
Solids, Total Dissolved Calculated	mg/L	4590	4430	4400	4660
TDS Balance (0.80 - 1.20)	dec. %	1.08	1.11	1.13	1.01
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	NA
Chloroform	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(1.0)

\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07010982-003  
 Client Sample ID: EPA-7

Report Date: 02/21/07  
 Collection Date: 01/23/07 10:54  
 Date Received: 01/25/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	561	mg/L		1		A2320 B	01/26/07 09:27 / jaj
Calcium	490	mg/L	D	0.6		E200.7	01/30/07 16:30 / ts
Chloride	200	mg/L		1		E200.7	01/30/07 16:27 / ts
Magnesium	916	mg/L	D	0.5		E200.7	01/30/07 16:30 / ts
Nitrogen, Ammonia as N	0.25	mg/L		0.05		A4500-NH <sub>3</sub> G	01/29/07 11:55 / jal
Nitrogen, Nitrate+Nitrite as N	138	mg/L	D	2		E353.2	01/30/07 14:26 / ljl
Potassium	9.2	mg/L		0.5		E200.7	01/30/07 16:27 / ts
Sodium	344	mg/L		0.5		E200.7	01/30/07 16:27 / ts
Sulfate	4180	mg/L	D	8		E200.7	01/30/07 16:30 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.46	s.u.		0.01		A4500-H B	01/25/07 18:31 / Im
Solids, Total Dissolved TDS @ 180 C	7460	mg/L		10		A2540 C	01/25/07 17:08 / Im
<b>METALS - TOTAL</b>							
Aluminum	0.3	mg/L		0.1		E200.8	01/26/07 12:09 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/30/07 18:53 / bws
Cadmium	ND	mg/L		0.005		E200.8	01/26/07 12:09 / bws
Cobalt	0.02	mg/L		0.01		E200.8	01/26/07 12:09 / bws
Lead	ND	mg/L		0.05		E200.8	01/26/07 12:09 / bws
Manganese	2.53	mg/L		0.01		E200.8	01/26/07 12:09 / bws
Molybdenum	ND	mg/L		0.1		E200.8	01/26/07 12:09 / bws
Nickel	ND	mg/L		0.05		E200.8	01/26/07 12:09 / bws
Uranium	0.0015	mg/L	D	0.0004		E200.8	01/26/07 12:09 / bws
Vanadium	ND	mg/L		0.1		E200.8	01/26/07 12:09 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	02/14/07 13:39 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	02/10/07 16:21 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	2.1	pCi/L		1.0		E900.1	02/02/07 16:00 / res
Gross Alpha minus Rn & U Precision (±)	0.8	pCi/L				E900.1	02/02/07 16:00 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/30/07 12:00 / plj
Radium 226	0.6	pCi/L		0.2		E903.0	02/12/07 12:38 / trs
Radium 226 precision (±)	0.3	pCi/L				E903.0	02/12/07 12:38 / trs
Radium 228	ND	pCi/L		1.0		RA-05	02/06/07 17:17 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/26/07 15:00 / dmf

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07010982-003  
 Client Sample ID: EPA-7

Report Date: 02/21/07  
 Collection Date: 01/23/07 10:54  
 Date Received: 01/25/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	1.54	%				Calculation	02/20/07 17:12 / ks
Anions	112	meq/L				Calculation	02/20/07 17:12 / ks
Cations	115	meq/L				Calculation	02/20/07 17:12 / ks
Solids, Total Dissolved Calculated	7030	mg/L				Calculation	02/20/07 17:12 / ks
TDS Balance (0.80 - 1.20)	1.06	dec. %				Calculation	02/20/07 17:12 / ks
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/26/07 21:42 / jlr
Bromoform	ND	ug/L		0.50		E624	01/26/07 21:42 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	01/26/07 21:42 / jlr
Chloroform	ND	ug/L		0.50		E624	01/26/07 21:42 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	01/26/07 21:42 / jlr
Surr: 1,2-Dichlorobenzene-d4	103	%REC			80-120	E624	01/26/07 21:42 / jlr
Surr: Dibromofluoromethane	96.0	%REC			80-120	E624	01/26/07 21:42 / jlr
Surr: p-Bromofluorobenzene	103	%REC			80-120	E624	01/26/07 21:42 / jlr
Surr: Toluene-d8	97.0	%REC			80-120	E624	01/26/07 21:42 / jlr

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07040990-003  
 Client Sample ID: EPA-7

Report Date: 06/07/07  
 Collection Date: 04/16/07 11:02  
 Date Received: 04/20/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	583	mg/L		1		A2320 B	04/23/07 09:22 / jaj
Calcium	502	mg/L	D	1		E200.7	04/26/07 13:56 / ts
Chloride	212	mg/L		1		E200.7	04/26/07 13:53 / ts
Magnesium	961	mg/L	D	1		E200.7	04/26/07 13:56 / ts
Nitrogen, Ammonia as N	0.22	mg/L		0.05		A4500-NH <sub>3</sub> G	04/24/07 14:16 / jal
Nitrogen, Nitrate+Nitrite as N	125	mg/L	D	2		E353.2	04/23/07 14:36 / jal
Potassium	9.2	mg/L		0.5		E200.7	04/26/07 13:53 / ts
Sodium	317	mg/L		0.5		E200.7	04/26/07 13:53 / ts
Sulfate	4580	mg/L	D	2		E200.7	04/26/07 13:56 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.60	s.u.		0.01		A4500-H B	04/23/07 10:20 / bas
Solids, Total Dissolved TDS @ 180 C	7860	mg/L		10		A2540 C	04/23/07 15:55 / bas
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	04/26/07 23:01 / aln
Beryllium	ND	mg/L		0.01		E200.8	04/26/07 23:01 / aln
Cadmium	ND	mg/L		0.005		E200.8	04/26/07 04:15 / sml
Cobalt	0.02	mg/L		0.01		E200.8	04/26/07 23:01 / aln
Lead	ND	mg/L		0.05		E200.8	04/26/07 04:15 / sml
Manganese	2.53	mg/L		0.01		E200.8	04/26/07 23:01 / aln
Molybdenum	ND	mg/L		0.1		E200.8	04/26/07 04:15 / sml
Nickel	ND	mg/L		0.05		E200.8	04/26/07 04:15 / sml
Uranium	0.0022	mg/L	D	0.0004		E200.8	04/26/07 04:15 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/26/07 23:01 / aln
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	05/05/07 12:44 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	05/11/07 08:37 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	05/09/07 15:19 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/25/07 12:30 / plj
Radium 226	ND	pCi/L		0.2		E903.0	05/07/07 14:49 / trs
Radium 228	ND	pCi/L		1.0		RA-05	05/02/07 13:40 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	04/26/07 15:00 / dmf

Report: RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.





LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 1  
 Lab ID: C07040990-003  
 Client Sample ID: EPA-7

Report Date: 06/07/07  
 Collection Date: 04/16/07 11:02  
 Date Received: 04/20/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	-0.599	%				Calculation	04/27/07 12:39 / bws
Anions	120	meq/L				Calculation	04/27/07 12:39 / bws
Cations	118	meq/L				Calculation	04/27/07 12:39 / bws
Solids, Total Dissolved Calculated	7420	mg/L				Calculation	04/27/07 12:39 / bws
TDS Balance (0.80 - 1.20)	1.06	dec. %				Calculation	04/27/07 12:39 / bws
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/24/07 07:07 / jlr
Bromoform	ND	ug/L		0.50		E624	04/24/07 07:07 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/24/07 07:07 / jlr
Chloroform	ND	ug/L		0.50		E624	04/24/07 07:07 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	04/24/07 07:07 / jlr
Surr: 1,2-Dichlorobenzene-d4	101	%REC			80-120	E624	04/24/07 07:07 / jlr
Surr: Dibromofluoromethane	112	%REC			80-120	E624	04/24/07 07:07 / jlr
Surr: p-Bromofluorobenzene	99.0	%REC			80-120	E624	04/24/07 07:07 / jlr
Surr: Toluene-d8	103	%REC			80-120	E624	04/24/07 07:07 / jlr

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



**UNC Mining and Milling ChurchRock Operations**  
**GroundWater Monitoring Summary: Zone 1 Monitor Wells**

Well ID:	EPA-7	EPA-7	EPA-7	EPA-7	
Collection Date:	4/16/2007	1/23/2007	10/10/2006	7/25/2006	
Receive Date:	4/20/2007	1/25/2007	10/13/2006	7/28/2006	
Report Date:	6/7/2007	2/21/2007	11/10/2006	8/30/2006	
Analyte	Units:	C07040990-003	C07010982-003	C06100700-006	C06071321-004
Bicarbonate as HCO3	mg/L	583	561	588	564
Calcium	mg/L	502	490	505	513
Chloride	mg/L	212	200	188	213
Magnesium	mg/L	961	916	917	914
Nitrogen, Ammonia as N	mg/L	0.22	0.25	0.39	0.37
Nitrogen, Nitrate+Nitrite as N	mg/L	125	138	134	138
Potassium	mg/L	9.2	9.2	8.4	8.5
Sodium	mg/L	317	344	345	361
Sulfate	mg/L	4580	4180	4090	4340
pH	s.u.	6.60	6.46	6.44	6.62
Solids, Total Dissolved TDS @ 180 C	mg/L	7860	7460	7550	7480
Aluminum	mg/L	ND(0.1)	0.3	0.2	0.3
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.02	0.02	0.02	0.02
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	2.53	2.53	2.40	2.96
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0022	0.0015	0.0016	0.0014
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	ND(1.0)	2.1	1.7	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L		0.8	0.8	
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	ND(0.2)	0.6	1.2	1.0
Radium 226 precision (±)	pCi/L		0.3	0.5	0.5
Radium 228	pCi/L	ND(1.0)	ND(1.0)	1.4	3.7
Radium 228 precision (±)	pCi/L			0.8	0.8
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	-0.599	1.54	2.83	0.677
Anions	meq/L	120	112	110	115
Cations	meq/L	118	115	116	117
Solids, Total Dissolved Calculated	mg/L	7420	7030	6940	7240
TDS Balance (0.80 - 1.20)	dec. %	1.06	1.06	1.09	1.03
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	NA
Chloroform	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(1.0)

**\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.**

QUARTERLY SAMPLING  
SEMI-ANNUAL GROUND WATER MONITORING REPORT  
JANUARY AND APRIL OF 2007

ZONE - 3

504-B

\*517(Not sampled during the 1st-Qr. 2007)

EPA-14

420

\*711

\*613

\*708

NBL-1

EPA-13

717

719

LEVELS ONLY

EPA-9

702

710

712

713

714

701

706

707

402

446

424

\*POINT OF COMPLIANCE WELLS



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07010804-001  
 Client Sample ID: 504-B

Report Date: 02/23/07  
 Collection Date: 01/15/07 10:32  
 Date Received: 01/22/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	ND	mg/L		1		A2320 B	01/23/07 09:00 / jaj
Calcium	474	mg/L	D	0.6		E200.7	01/23/07 16:08 / ts
Chloride	29	mg/L		1		E200.7	01/23/07 16:04 / ts
Magnesium	649	mg/L	D	0.5		E200.7	01/23/07 16:08 / ts
Nitrogen, Ammonia as N	0.54	mg/L		0.05		A4500-NH3 G	01/25/07 14:20 / ljl
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	01/24/07 12:07 / ljl
Potassium	12.5	mg/L		0.5		E200.7	01/23/07 16:04 / ts
Sodium	149	mg/L		0.5		E200.7	01/23/07 16:04 / ts
Sulfate	4070	mg/L	D	8		E200.7	01/23/07 16:08 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	5.38	s.u.	H	0.01		A4500-H B	01/23/07 08:15 / lm
Solids, Total Dissolved TDS @ 180 C	6140	mg/L	H	10		A2540 C	01/23/07 08:58 / lm
<b>METALS - TOTAL</b>							
Aluminum	0.8	mg/L		0.1		E200.8	01/23/07 19:48 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/24/07 22:01 / bws
Cadmium	ND	mg/L		0.005		E200.8	01/23/07 19:48 / bws
Cobalt	0.22	mg/L		0.01		E200.8	01/23/07 19:48 / bws
Lead	ND	mg/L		0.05		E200.8	01/23/07 19:48 / bws
Manganese	6.67	mg/L		0.01		E200.8	01/23/07 19:48 / bws
Molybdenum	2.0	mg/L		0.1		E200.8	01/23/07 19:48 / bws
Nickel	0.25	mg/L		0.05		E200.8	01/23/07 19:48 / bws
Uranium	0.0254	mg/L		0.0003		E200.8	01/24/07 22:01 / bws
Vanadium	ND	mg/L		0.1		E200.8	01/23/07 19:48 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	0.02	mg/L		0.001		A3114 B	02/09/07 13:39 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	02/10/07 15:39 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	16.4	pCi/L		1.0		E900.1	01/29/07 15:05 / res
Gross Alpha minus Rn & U Precision (±)	1.3	pCi/L				E900.1	01/29/07 15:05 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/24/07 12:00 / plj
Radium 226	12.2	pCi/L		0.2		E903.0	02/06/07 11:20 / trs
Radium 226 precision (±)	1.4	pCi/L				E903.0	02/06/07 11:20 / trs
Radium 228	16.4	pCi/L		1.0		RA-05	02/01/07 14:03 / plj
Radium 228 precision (±)	1.7	pCi/L				RA-05	02/01/07 14:03 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/26/07 15:00 / dmf

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.  
 H - Analysis performed past recommended holding time.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07010804-001  
 Client Sample ID: 504-B

Report Date: 02/23/07  
 Collection Date: 01/15/07 10:32  
 Date Received: 01/22/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	1.10	%				Calculation	01/29/07 12:38 / cp
Anions	85.5	meq/L				Calculation	01/29/07 12:38 / cp
Cations	87.4	meq/L				Calculation	01/29/07 12:38 / cp
Solids, Total Dissolved Calculated	5400	mg/L				Calculation	01/29/07 12:38 / cp
TDS Balance (0.80 - 1.20)	1.14	dec. %				Calculation	01/29/07 12:38 / cp
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/23/07 21:05 / dkh
Bromoform	ND	ug/L		0.50		E624	01/23/07 21:05 / dkh
Chlorodibromomethane	ND	ug/L		0.50		E624	01/23/07 21:05 / dkh
Chloroform	ND	ug/L		0.50		E624	01/23/07 21:05 / dkh
Trihalomethanes, Total	ND	ug/L		0.50		E624	01/23/07 21:05 / dkh
Surr: 1,2-Dichlorobenzene-d4	97.0	%REC			80-120	E624	01/23/07 21:05 / dkh
Surr: Dibromofluoromethane	110	%REC			80-120	E624	01/23/07 21:05 / dkh
Surr: p-Bromofluorobenzene	103	%REC			80-120	E624	01/23/07 21:05 / dkh
Surr: Toluene-d8	103	%REC			80-120	E624	01/23/07 21:05 / dkh

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone ~~4~~ 3  
 Lab ID: C07040990-007  
 Client Sample ID: 504-B

Report Date: 06/07/07  
 Collection Date: 04/17/07 11:01  
 Date Received: 04/20/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	ND	mg/L		1		A2320 B	04/23/07 09:28 / jaj
Calcium	499	mg/L	D	1		E200.7	05/02/07 14:10 / ts
Chloride	32	mg/L		1		E200.7	05/02/07 14:07 / ts
Magnesium	700	mg/L	D	1		E200.7	05/02/07 14:10 / ts
Nitrogen, Ammonia as N	0.56	mg/L		0.05		A4500-NH3 G	04/25/07 10:44 / ljl
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/23/07 14:51 / jal
Potassium	12.6	mg/L		0.5		E200.7	05/02/07 14:07 / ts
Sodium	149	mg/L		0.5		E200.7	05/02/07 14:07 / ts
Sulfate	4480	mg/L	D	2		E200.7	05/02/07 14:10 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	4.47	s.u.		0.01		A4500-H B	04/23/07 10:27 / bas
Solids, Total Dissolved TDS @ 180 C	6020	mg/L		10		A2540 C	04/23/07 15:56 / bas
<b>METALS - TOTAL</b>							
Aluminum	2.1	mg/L		0.1		E200.8	04/26/07 23:27 / aln
Beryllium	ND	mg/L		0.01		E200.8	04/26/07 23:27 / aln
Cadmium	ND	mg/L		0.005		E200.8	04/26/07 04:45 / sml
Cobalt	0.26	mg/L		0.01		E200.8	04/26/07 23:27 / aln
Lead	ND	mg/L		0.05		E200.8	04/26/07 04:45 / sml
Manganese	7.42	mg/L		0.01		E200.8	04/26/07 23:27 / aln
Molybdenum	0.2	mg/L		0.1		E200.8	04/26/07 04:45 / sml
Nickel	0.29	mg/L		0.05		E200.8	04/26/07 04:45 / sml
Uranium	0.0254	mg/L	D	0.0004		E200.8	04/26/07 04:45 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/26/07 23:27 / aln
<b>METALS - SPECIATED</b>							
Arsenic-III	0.01	mg/L		0.001		A3114 B	05/08/07 14:33 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	05/11/07 08:49 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	10.9	pCi/L		1.0		E900.1	05/09/07 15:19 / res
Gross Alpha minus Rn & U Precision (±)	1.0	pCi/L				E900.1	05/09/07 15:19 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/25/07 12:30 / plj
Radium 226	10.6	pCi/L		0.2		E903.0	05/07/07 14:49 / trs
Radium 226 precision (±)	1.0	pCi/L				E903.0	05/07/07 14:49 / trs
Radium 228	19.6	pCi/L		1.0		RA-05	06/07/07 08:40 / plj
Radium 228 precision (±)	1.2	pCi/L				RA-05	06/07/07 08:40 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	04/26/07 15:00 / dmf

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

D - RL increased due to sample matrix interference.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 4 3  
 Lab ID: C07040990-007  
 Client Sample ID: 504-B

Report Date: 06/07/07  
 Collection Date: 04/17/07 11:01  
 Date Received: 04/20/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	-1.89	%				Calculation	05/03/07 14:23 / bws
Anions	94.3	meq/L				Calculation	05/03/07 14:23 / bws
Cations	90.8	meq/L				Calculation	05/03/07 14:23 / bws
Solids, Total Dissolved Calculated	5890	mg/L				Calculation	05/03/07 14:23 / bws
TDS Balance (0.80 - 1.20)	1.02	dec. %				Calculation	05/03/07 14:23 / bws
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/23/07 21:26 / jlr
Bromoform	ND	ug/L		0.50		E624	04/23/07 21:26 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/23/07 21:26 / jlr
Chloroform	ND	ug/L		0.50		E624	04/23/07 21:26 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	04/23/07 21:26 / jlr
Surr: 1,2-Dichlorobenzene-d4	106	%REC			80-120	E624	04/23/07 21:26 / jlr
Surr: Dibromofluoromethane	115	%REC			80-120	E624	04/23/07 21:26 / jlr
Surr: p-Bromofluorobenzene	98.0	%REC			80-120	E624	04/23/07 21:26 / jlr
Surr: Toluene-d8	98.0	%REC			80-120	E624	04/23/07 21:26 / jlr

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



UNC Mining and Milling ChurchRock Operations  
 GroundWater Monitoring Summary: Zone 3 Monitor Wells

Well ID:	504-B	504-B	504-B	504-B	
Collection Date:	4/17/2007	1/15/2007	10/9/2006	7/24/2006	
Receive Date:	4/20/2007	1/22/2007	10/13/2006	7/28/2006	
Report Date:	6/7/2007	2/22/2007	11/10/2006	8/30/2006	
Analyte:	Units:	C07040990-007	C07010804-001	C06100704-002	C06071320-002
Bicarbonate as HCO3	mg/L	ND(1)	ND(1)	ND(1)	ND(1)
Calcium	mg/L	499	474	483	487
Chloride	mg/L	32	29	25	29
Magnesium	mg/L	700	649	662	668
Nitrogen, Ammonia as N	mg/L	0.56	0.54	1.13	1.16
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Potassium	mg/L	12.6	12.5	12.2	12.3
Sodium	mg/L	149	149	148	160
Sulfate	mg/L	4480	4070	3970	4140
pH	s.u.	4.47	5.38	5.14	3.99
Solids, Total Dissolved TDS @ 180 C	mg/L	6020	6140	5790	5870
Aluminum	mg/L	2.1	0.8	0.1	0.4
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.26	0.22	0.25	0.24
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	7.42	6.67	7.28	7.14
Molybdenum	mg/L	0.2	2.0	1.5	0.5
Nickel	mg/L	0.29	0.25	0.28	0.25
Uranium	mg/L	0.0254	0.0254	0.0234	0.0211
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.01	0.02	0.02	0.008
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	10.9	16.4	9.9	11.7
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.0	1.3	1.3	2.0
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	10.6	12.2	11.4	11.3
Radium 226 precision (±)	pCi/L	1.0	1.4	1.2	1.1
Radium 228	pCi/L	19.6	16.4	17.1	16.2
Radium 228 precision (±)	pCi/L	1.2	1.7	1.0	1.1
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	-1.89	1.10	3.30	1.91
Anions	meq/L	94.3	85.5	83.3	87.0
Cations	meq/L	90.8	87.4	89.0	90.3
Solids, Total Dissolved Calculated	mg/L	5890	5400	5310	5510
TDS Balance (0.80 - 1.20)	dec. %	1.02	1.14	1.09	1.07
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	NA
Chloroform	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(1.0)

\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.





LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07040987-008  
 Client Sample ID: 517

Report Date: 06/07/07  
 Collection Date: 04/18/07 09:20  
 Date Received: 04/20/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	ND	mg/L		1		A2320 B	04/23/07 09:07 / jaj
Calcium	478	mg/L	D	1		E200.7	04/26/07 12:03 / ts
Chloride	44	mg/L		1		E200.7	04/26/07 12:00 / ts
Magnesium	472	mg/L	D	1		E200.7	04/26/07 12:03 / ts
Nitrogen, Ammonia as N	9.7	mg/L	D	0.2		A4500-NH <sub>3</sub> G	04/24/07 13:43 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/23/07 14:19 / jal
Potassium	10.7	mg/L		0.5		E200.7	04/26/07 12:00 / ts
Sodium	136	mg/L		0.5		E200.7	04/26/07 12:00 / ts
Sulfate	3520	mg/L	D	2		E200.7	04/26/07 12:03 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	3.71	s.u.		0.01		A4500-H B	04/23/07 10:11 / bas
Solids, Total Dissolved TDS @ 180 C	5100	mg/L		10		A2540 C	04/23/07 15:54 / bas
<b>METALS - TOTAL</b>							
Aluminum	5.6	mg/L		0.1		E200.7	04/26/07 12:00 / ts
Beryllium	ND	mg/L		0.01		E200.8	04/26/07 02:52 / sml
Cadmium	0.009	mg/L		0.005		E200.8	04/26/07 02:52 / sml
Cobalt	0.77	mg/L		0.01		E200.8	04/26/07 02:52 / sml
Lead	ND	mg/L		0.05		E200.8	04/26/07 02:52 / sml
Manganese	8.03	mg/L		0.01		E200.8	04/26/07 02:52 / sml
Molybdenum	ND	mg/L		0.1		E200.8	04/26/07 02:52 / sml
Nickel	0.84	mg/L		0.05		E200.8	04/26/07 02:52 / sml
Uranium	0.0514	mg/L		0.0003		E200.8	04/26/07 02:52 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/26/07 02:52 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	05/05/07 12:36 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	05/11/07 08:29 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	11.1	pCi/L		1.0		E900.1	05/11/07 12:59 / res
Gross Alpha minus Rn & U Precision (±)	1.0	pCi/L				E900.1	05/11/07 12:59 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/25/07 12:30 / plj
Radium 226	7.3	pCi/L		0.2		E903.0	05/08/07 13:28 / trs
Radium 226 precision (±)	0.8	pCi/L				E903.0	05/08/07 13:28 / trs
Radium 228	18.0	pCi/L		1.0		RA-05	05/03/07 12:10 / plj
Radium 228 precision (±)	1.3	pCi/L				RA-05	05/03/07 12:10 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	05/01/07 15:00 / dmf

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07040987-008  
 Client Sample ID: 517

Report Date: 06/07/07  
 Collection Date: 04/18/07 09:20  
 Date Received: 04/20/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	-0.118	%				Calculation	04/27/07 12:36 / bws
Anions	74.5	meq/L				Calculation	04/27/07 12:36 / bws
Cations	74.3	meq/L				Calculation	04/27/07 12:36 / bws
Solids, Total Dissolved Calculated	4680	mg/L				Calculation	04/27/07 12:36 / bws
TDS Balance (0.80 - 1.20)	1.09	dec. %				Calculation	04/27/07 12:36 / bws
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/24/07 03:41 / jlr
Bromoform	ND	ug/L		0.50		E624	04/24/07 03:41 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/24/07 03:41 / jlr
Chloroform	6.56	ug/L		0.50		E624	04/24/07 03:41 / jlr
Trihalomethanes, Total	6.56	ug/L		0.50		E624	04/24/07 03:41 / jlr
Surr: 1,2-Dichlorobenzene-d4	106	%REC			80-120	E624	04/24/07 03:41 / jlr
Surr: Dibromofluoromethane	112	%REC			80-120	E624	04/24/07 03:41 / jlr
Surr: p-Bromofluorobenzene	97.0	%REC			80-120	E624	04/24/07 03:41 / jlr
Surr: Toluene-d8	103	%REC			80-120	E624	04/24/07 03:41 / jlr

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



UNC Mining and Milling ChurchRock Operations  
 GroundWater Monitoring Summary: Zone 3 Monitor Wells

Well ID:	517	517	517	517	
Collection Date:	4/18/2007	7/24/2006	4/10/2006	1/16/2006	
Receive Date:	4/20/2007	7/28/2006	4/14/2006	1/20/2006	
Report Date:	6/7/2007	8/30/2006	5/16/2006	2/27/2006	
Analyte	Units:	C07040987-008	C06071320-010	C06040639-007	C06010925-004
Bicarbonate as HCO3	mg/L	ND(1)	ND(1)	ND(1)	ND(1)
Calcium	mg/L	478	492	482	454
Chloride	mg/L	44	43	43	45
Magnesium	mg/L	472	446	446	431
Nitrogen, Ammonia as N	mg/L	9.7	10.2	10.4	11.3
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	0.1	0.2	0.3
Potassium	mg/L	10.7	10.2	10	9.9
Sodium	mg/L	136	141	152	142
Sulfate	mg/L	3520	3250	3240	3100
pH	s. u.	3.71	3.58	4.08	4.12
Solids, Total Dissolved TDS @ 180 C	mg/L	5100	4740	4910	4790
Aluminum	mg/L	5.6	4.1	4.8	4.4
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	0.009	0.006	0.007	0.007
Cobalt	mg/L	0.77	0.77	0.74	0.70
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	8.03	8.14	7.75	7.26
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.84	0.66	0.70	0.69
Uranium	mg/L	0.0514	0.0441	0.0466	0.0528
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	11.1	9.2	8.5	10.4
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.0	1.8	2.4	2.0
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	7.3	6.7	5.9	7.8
Radium 226 precision (±)	pCi/L	0.8	0.9	0.8	0.9
Radium 228	pCi/L	18.0	13.1	11.8	10.5
Radium 228 precision (±)	pCi/L	1.3	1.0	1.0	1.4
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	-0.118	2.48	2.62	2.22
Anions	meq/L	74.5	68.9	68.6	65.9
Cations	meq/L	74.3	72.4	72.3	68.8
Solids, Total Dissolved Calculated	mg/L	4680	4390	4390	4210
TDS Balance (0.80 - 1.20)	dec. %	1.09	1.08	1.12	1.14
Trihalomethanes, Total	ug/L	6.56	NA	NA	NA
Chloroform	ug/L	6.56	5.8	4.8	5.3

\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07010984-001  
 Client Sample ID: EPA-14

Report Date: 03/02/07  
 Collection Date: 01/23/07 12:05  
 Date Received: 01/25/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	ND	mg/L		1		A2320 B	01/26/07 09:29 / jaj
Calcium	501	mg/L	D	0.6		E200.7	01/30/07 16:47 / ts
Chloride	72	mg/L		1		E200.7	01/30/07 16:43 / ts
Magnesium	501	mg/L	D	0.5		E200.7	01/30/07 16:47 / ts
Nitrogen, Ammonia as N	62.5	mg/L	D	0.4		A4500-NH <sub>3</sub> G	01/29/07 12:30 / jal
Nitrogen, Nitrate+Nitrite as N	21.2	mg/L	D	0.2		E353.2	01/30/07 14:36 / ljl
Potassium	14.5	mg/L		0.5		E200.7	01/30/07 16:43 / ts
Sodium	180	mg/L		0.5		E200.7	01/30/07 16:43 / ts
Sulfate	3740	mg/L	D	8		E200.7	01/30/07 16:47 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	4.48	s.u.		0.01		A4500-H B	01/25/07 18:32 / lm
Solids, Total Dissolved TDS @ 180 C	5790	mg/L		10		A2540 C	01/25/07 17:08 / lm
<b>METALS - TOTAL</b>							
Aluminum	64.2	mg/L		0.1		E200.8	01/26/07 12:17 / bws
Beryllium	0.05	mg/L		0.01		E200.8	01/26/07 20:00 / bws
Cadmium	0.012	mg/L		0.005		E200.8	01/26/07 12:17 / bws
Cobalt	0.63	mg/L		0.01		E200.8	01/26/07 12:17 / bws
Lead	ND	mg/L		0.05		E200.8	01/26/07 12:17 / bws
Manganese	17.7	mg/L		0.01		E200.8	01/26/07 12:17 / bws
Molybdenum	ND	mg/L		0.1		E200.8	01/26/07 12:17 / bws
Nickel	0.56	mg/L		0.05		E200.8	01/26/07 12:17 / bws
Uranium	0.0161	mg/L		0.0003		E200.8	01/26/07 12:17 / bws
Vanadium	ND	mg/L		0.1		E200.8	01/26/07 12:17 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	02/14/07 13:41 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	02/10/07 16:23 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	18.2	pCi/L		1.0		E900.1	02/14/07 06:51 / res
Gross Alpha minus Rn & U Precision (±)	1.5	pCi/L				E900.1	02/14/07 06:51 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/30/07 12:00 / plj
Radium 226	16.5	pCi/L		0.2		E903.0	02/12/07 12:38 / trs
Radium 226 precision (±)	1.2	pCi/L				E903.0	02/12/07 12:38 / trs
Radium 228	23.2	pCi/L		1.0		RA-05	02/06/07 17:17 / plj
Radium 228 precision (±)	1.1	pCi/L				RA-05	02/06/07 17:17 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/26/07 15:00 / dmf

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07010984-001  
 Client Sample ID: EPA-14

Report Date: 03/02/07  
 Collection Date: 01/23/07 12:05  
 Date Received: 01/25/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	3.44	%				Calculation	03/01/07 15:11 / tjp
Anions	81.5	meq/L				Calculation	03/01/07 15:11 / tjp
Cations	87.3	meq/L				Calculation	03/01/07 15:11 / tjp
Solids, Total Dissolved Calculated	5130	mg/L				Calculation	03/01/07 15:11 / tjp
TDS Balance (0.80 - 1.20)	1.13	dec. %				Calculation	03/01/07 15:11 / tjp
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/26/07 19:46 / jlr
Bromoform	ND	ug/L		0.50		E624	01/26/07 19:46 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	01/26/07 19:46 / jlr
Chloroform	5.52	ug/L		0.50		E624	01/26/07 19:46 / jlr
Trihalomethanes, Total	5.52	ug/L		0.50		E624	01/26/07 19:46 / jlr
Surr: 1,2-Dichlorobenzene-d4	101	%REC			80-120	E624	01/26/07 19:46 / jlr
Surr: Dibromofluoromethane	84.0	%REC			80-120	E624	01/26/07 19:46 / jlr
Surr: p-Bromofluorobenzene	97.0	%REC			80-120	E624	01/26/07 19:46 / jlr
Surr: Toluene-d8	97.0	%REC			80-120	E624	01/26/07 19:46 / jlr

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07040669-002  
 Client Sample ID: EPA-14

Report Date: 05/22/07  
 Collection Date: 04/10/07 14:30  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO3	2	mg/L		1		A2320 B	04/16/07 13:13 / jaj
Calcium	500	mg/L	D	1		E200.7	04/19/07 17:36 / ts
Chloride	76	mg/L		1		E200.7	04/19/07 17:33 / ts
Magnesium	516	mg/L	D	1		E200.7	04/19/07 17:36 / ts
Nitrogen, Ammonia as N	67.0	mg/L	D	0.4		A4500-NH3 G	04/17/07 12:32 / jal
Nitrogen, Nitrate+Nitrite as N	27.0	mg/L	D	0.8		E353.2	04/16/07 14:12 / ljl
Potassium	14.3	mg/L		0.5		E200.7	04/19/07 17:33 / ts
Sodium	176	mg/L		0.5		E200.7	04/19/07 17:33 / ts
Sulfate	3950	mg/L	D	2		E200.7	04/19/07 17:36 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	4.38	s.u.		0.01		A4500-H B	04/16/07 10:17 / bas
Solids, Total Dissolved TDS @ 180 C	5960	mg/L		10		A2540 C	04/16/07 12:46 / bas
<b>METALS - TOTAL</b>							
Aluminum	66.3	mg/L		0.1		E200.8	04/20/07 00:53 / sml
Beryllium	0.05	mg/L		0.01		E200.8	04/18/07 03:45 / sml
Cadmium	0.012	mg/L		0.005		E200.8	04/16/07 23:53 / sml
Cobalt	0.76	mg/L		0.01		E200.8	04/16/07 23:53 / sml
Lead	ND	mg/L		0.05		E200.8	04/16/07 23:53 / sml
Manganese	16.9	mg/L		0.01		E200.8	04/18/07 03:45 / sml
Molybdenum	ND	mg/L		0.1		E200.8	04/16/07 23:53 / sml
Nickel	0.67	mg/L		0.05		E200.8	04/16/07 23:53 / sml
Uranium	0.0113	mg/L		0.0003		E200.8	04/18/07 03:45 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/16/07 23:53 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	04/26/07 13:21 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	04/25/07 16:09 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	35.2	pCi/L		1.0		E900.1	04/20/07 14:45 / res
Gross Alpha minus Rn & U Precision (±)	2.0	pCi/L				E900.1	04/20/07 14:45 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/18/07 12:00 / plj
Lead 210	ND	pCi/L		1.0		NERHL-65-4	05/10/07 11:00 / dpb
Radium 226	16.7	pCi/L		0.2		E903.0	04/30/07 11:24 / trs
Radium 226 precision (±)	1.8	pCi/L				E903.0	04/30/07 11:24 / trs
Radium 228	32.7	pCi/L		1.0		RA-05	04/25/07 12:00 / plj
Radium 228 precision (±)	2.1	pCi/L				RA-05	04/25/07 12:00 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	04/23/07 15:00 / dmf

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07040669-002  
 Client Sample ID: EPA-14

Report Date: 05/22/07  
 Collection Date: 04/10/07 14:30  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	1.37	%				Calculation	04/20/07 14:20 / bws
Anions	86.4	meq/L				Calculation	04/20/07 14:20 / bws
Cations	88.8	meq/L				Calculation	04/20/07 14:20 / bws
Solids, Total Dissolved Calculated	5380	mg/L				Calculation	04/20/07 14:20 / bws
TDS Balance (0.80 - 1.20)	1.11	dec. %				Calculation	04/20/07 14:20 / bws
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/21/07 04:38 / dkh
Bromoform	ND	ug/L		0.50		E624	04/21/07 04:38 / dkh
Chlorodibromomethane	ND	ug/L		0.50		E624	04/21/07 04:38 / dkh
Chloroform	4.44	ug/L		0.50		E624	04/21/07 04:38 / dkh
Trihalomethanes, Total	4.44	ug/L		0.50		E624	04/21/07 04:38 / dkh
Surr: 1,2-Dichlorobenzene-d4	100	%REC			80-120	E624	04/21/07 04:38 / dkh
Surr: Dibromofluoromethane	96.0	%REC			80-120	E624	04/21/07 04:38 / dkh
Surr: p-Bromofluorobenzene	103	%REC			80-120	E624	04/21/07 04:38 / dkh
Surr: Toluene-d8	98.0	%REC			80-120	E624	04/21/07 04:38 / dkh

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



UNC Mining and Milling ChurchRock Operations  
 GroundWater Monitoring Summary: Zone 3 Monitor Wells

Well ID:	EPA-14	EPA-14	EPA-14	EPA-14	
Collection Date:	4/10/2007	1/23/2007	10/10/2006	7/18/2006	
Receive Date:	4/13/2007	1/25/2007	10/13/2006	7/21/2006	
Report Date:	5/22/2007	3/1/2007	11/10/2006	9/1/2006	
Analyte	Units	C07040669-002	C07010984-001	C06100704-008	C06070995-001
Bicarbonate as HCO3	mg/L	2	ND(1)	ND(1)	12
Calcium	mg/L	500	501	496	506
Chloride	mg/L	76	72	70	74
Magnesium	mg/L	516	501	500	478
Nitrogen, Ammonia as N	mg/L	67.0	62.5	73	64.4
Nitrogen, Nitrate+Nitrite as N	mg/L	27.0	21.2	25.6	20.5
Potassium	mg/L	14.3	14.5	15.2	13.8
Sodium	mg/L	176	180	177	182
Sulfate	mg/L	3950	3740	3800	3820
pH	s.u.	4.38	4.48	4.56	4.71
Solids, Total Dissolved TDS @ 180 C	mg/L	5960	5790	5670	5320
Aluminum	mg/L	66.3	64.2	102	69.1
Beryllium	mg/L	0.05	0.05	0.06	0.05
Cadmium	mg/L	0.012	0.012	0.012	0.011
Cobalt	mg/L	0.76	0.63	0.66	0.61
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	16.9	17.7	18.2	16.6
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.67	0.56	0.58	0.55
Uranium	mg/L	0.0113	0.0161	0.0251	0.0298
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	0.002	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	35	18.2	25.5	33.6
Gross Alpha minus Rn & U Precision (±)	pCi/L	2	1.5	2.1	3.1
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	16.7	16.5	20.0	27.6
Radium 226 precision (±)	pCi/L	1.8	1.2	1.6	1.8
Radium 228	pCi/L	32.7	23.2	29.1	21.5
Radium 228 precision (±)	pCi/L	2.1	1.1	1.3	1.2
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)		1.37	3.44	-1.41	1.90
Anions		86.4	81.5	82.9	83.4
Cations		88.8	87.3	80.6	86.6
Solids, Total Dissolved Calculated		5380	5130	5060	5180
TDS Balance (0.80 - 1.20)		1.11	1.13	1.12	1.03
Trihalomethanes, Total	ug/L	4.44	5.52	0.93	NA
Chloroform	ug/L	4.44	5.52	0.93	ND(1.0)

\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.





LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07010804-004  
 Client Sample ID: 420

Report Date: 02/23/07  
 Collection Date: 01/16/07 11:00  
 Date Received: 01/22/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	518	mg/L		1		A2320 B	01/23/07 09:21 / jaj
Calcium	687	mg/L	D	0.6		E200.7	01/26/07 13:23 / ts
Chloride	70	mg/L		1		E200.7	01/26/07 13:19 / ts
Magnesium	153	mg/L	D	0.5		E200.7	01/26/07 13:23 / ts
Nitrogen, Ammonia as N	0.06	mg/L		0.05		A4500-NH <sub>3</sub> G	01/25/07 14:32 / ljl
Nitrogen, Nitrate+Nitrite as N	15.6	mg/L	D	0.2		E353.2	01/24/07 12:22 / ljl
Potassium	6.8	mg/L		0.5		E200.7	01/26/07 13:19 / ts
Sodium	145	mg/L		0.5		E200.7	01/26/07 13:19 / ts
Sulfate	1780	mg/L	D	8		E200.7	01/26/07 13:23 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.69	s.u.		0.01		A4500-H B	01/23/07 08:15 / lm
Solids, Total Dissolved TDS @ 180 C	3400	mg/L		10		A2540 C	01/23/07 09:00 / lm
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	01/23/07 20:10 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/24/07 22:31 / bws
Cadmium	ND	mg/L		0.005		E200.8	01/23/07 20:10 / bws
Cobalt	ND	mg/L		0.01		E200.8	01/23/07 20:10 / bws
Lead	ND	mg/L		0.05		E200.8	01/23/07 20:10 / bws
Manganese	1.93	mg/L		0.01		E200.8	01/23/07 20:10 / bws
Molybdenum	0.2	mg/L		0.1		E200.8	01/23/07 20:10 / bws
Nickel	ND	mg/L		0.05		E200.8	01/23/07 20:10 / bws
Uranium	0.150	mg/L		0.0003		E200.8	01/24/07 22:31 / bws
Vanadium	ND	mg/L		0.1		E200.8	01/23/07 20:10 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	0.006	mg/L		0.001		A3114 B	02/09/07 13:47 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	02/10/07 15:45 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	3.2	pCi/L		1.0		E900.1	01/29/07 15:05 / res
Gross Alpha minus Rn & U Precision (±)	0.6	pCi/L				E900.1	01/29/07 15:05 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/24/07 12:00 / plj
Radium 226	2.9	pCi/L		0.2		E903.0	02/06/07 11:20 / trs
Radium 226 precision (±)	0.7	pCi/L				E903.0	02/06/07 11:20 / trs
Radium 228	ND	pCi/L		1.0		RA-05	02/01/07 14:03 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/26/07 15:00 / dmf

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07010804-004  
 Client Sample ID: 420

Report Date: 02/23/07  
 Collection Date: 01/16/07 11:00  
 Date Received: 01/22/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	4.65	%				Calculation	01/31/07 16:13 / cp
Anions	48.7	meq/L				Calculation	01/31/07 16:13 / cp
Cations	53.5	meq/L				Calculation	01/31/07 16:13 / cp
Solids, Total Dissolved Calculated	3180	mg/L				Calculation	01/31/07 16:13 / cp
TDS Balance (0.80 - 1.20)	1.07	dec. %				Calculation	01/31/07 16:13 / cp
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/24/07 00:21 / dkh
Bromoform	ND	ug/L		0.50		E624	01/24/07 00:21 / dkh
Chlorodibromomethane	ND	ug/L		0.50		E624	01/24/07 00:21 / dkh
Chloroform	ND	ug/L		0.50		E624	01/24/07 00:21 / dkh
Trihalomethanes, Total	ND	ug/L		0.50		E624	01/24/07 00:21 / dkh
Surr: 1,2-Dichlorobenzene-d4	99.0	%REC			80-120	E624	01/24/07 00:21 / dkh
Surr: Dibromofluoromethane	114	%REC			80-120	E624	01/24/07 00:21 / dkh
Surr: p-Bromofluorobenzene	101	%REC			80-120	E624	01/24/07 00:21 / dkh
Surr: Toluene-d8	102	%REC			80-120	E624	01/24/07 00:21 / dkh

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



### LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07040987-006  
 Client Sample ID: 420

Report Date: 06/07/07  
 Collection Date: 04/17/07 13:06  
 Date Received: 04/20/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO3	237	mg/L		1		A2320 B	04/23/07 09:04 / jaj
Calcium	601	mg/L	D	1		E200.7	04/26/07 11:50 / ts
Chloride	75	mg/L		1		E200.7	04/26/07 11:46 / ts
Magnesium	161	mg/L	D	1		E200.7	04/26/07 11:50 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	04/24/07 13:38 / jal
Nitrogen, Nitrate+Nitrite as N	14.6	mg/L	D	0.2		E353.2	04/23/07 14:14 / jal
Potassium	6.8	mg/L		0.5		E200.7	04/26/07 11:46 / ts
Sodium	140	mg/L		0.5		E200.7	04/26/07 11:46 / ts
Sulfate	1900	mg/L	D	2		E200.7	04/26/07 11:50 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	7.06	s.u.		0.01		A4500-H B	04/23/07 10:02 / bas
Solids, Total Dissolved TDS @ 180 C	3540	mg/L		10		A2540 C	04/23/07 15:53 / bas
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.7	04/26/07 11:46 / ts
Beryllium	ND	mg/L		0.01		E200.8	04/26/07 02:37 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/26/07 02:37 / sml
Cobalt	ND	mg/L		0.01		E200.8	04/26/07 02:37 / sml
Lead	ND	mg/L		0.05		E200.8	04/26/07 02:37 / sml
Manganese	0.27	mg/L		0.01		E200.8	04/26/07 02:37 / sml
Molybdenum	0.1	mg/L		0.1		E200.8	04/26/07 02:37 / sml
Nickel	ND	mg/L		0.05		E200.8	04/26/07 02:37 / sml
Uranium	0.138	mg/L		0.0003		E200.8	04/26/07 02:37 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/26/07 02:37 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	0.003	mg/L		0.001		A3114 B	05/05/07 12:26 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	05/01/07 16:32 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	2.3	pCi/L		1.0		E900.1	05/11/07 12:59 / res
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	05/11/07 12:59 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/25/07 12:30 / plj
Radium 226	2.2	pCi/L		0.2		E903.0	05/08/07 13:28 / trs
Radium 226 precision (±)	0.5	pCi/L				E903.0	05/08/07 13:28 / trs
Radium 228	2.4	pCi/L		1.0		RA-05	05/03/07 10:35 / plj
Radium 228 precision (±)	1.0	pCi/L				RA-05	05/03/07 10:35 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	05/01/07 15:00 / dmf

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07040987-006  
 Client Sample ID: 420

Report Date: 06/07/07  
 Collection Date: 04/17/07 13:06  
 Date Received: 04/20/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	3.05	%				Calculation	04/27/07 12:35 / bws
Anions	46.6	meq/L				Calculation	04/27/07 12:35 / bws
Cations	49.5	meq/L				Calculation	04/27/07 12:35 / bws
Solids, Total Dissolved Calculated	3080	mg/L				Calculation	04/27/07 12:35 / bws
TDS Balance (0.80 - 1.20)	1.15	dec. %				Calculation	04/27/07 12:35 / bws
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/24/07 02:18 / jlr
Bromoform	ND	ug/L		0.50		E624	04/24/07 02:18 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/24/07 02:18 / jlr
Chloroform	ND	ug/L		0.50		E624	04/24/07 02:18 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	04/24/07 02:18 / jlr
Surr: 1,2-Dichlorobenzene-d4	102	%REC			80-120	E624	04/24/07 02:18 / jlr
Surr: Dibromofluoromethane	113	%REC			80-120	E624	04/24/07 02:18 / jlr
Surr: p-Bromofluorobenzene	98.0	%REC			80-120	E624	04/24/07 02:18 / jlr
Surr: Toluene-d8	102	%REC			80-120	E624	04/24/07 02:18 / jlr

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



UNC Mining and Milling ChurchRock Operations  
 GroundWater Monitoring Summary: Zone 3 Monitor Wells

Well ID:	420	420	420	420
Collection Date:	4/17/2007	1/16/2007	10/9/2006	7/24/2006
Receive Date:	4/20/2007	1/22/2007	10/13/2006	7/28/2006
Report Date:	6/7/2007	2/22/2007	11/10/2006	8/30/2006

Analyte	Units	C07040987-006	C07010804-004	C06100704-004	C06071320-004
Bicarbonate as HCO3	mg/L	237	518	550	476
Calcium	mg/L	601	687	676	673
Chloride	mg/L	75	70	63	67
Magnesium	mg/L	161	153	155	150
Nitrogen, Ammonia as N	mg/L	ND(0.05)	0.06	0.15	0.14
Nitrogen, Nitrate+Nitrite as N	mg/L	14.6	15.6	14.8	14.5
Potassium	mg/L	6.8	6.8	6.9	7.1
Sodium	mg/L	140	145	150	157
Sulfate	mg/L	1900	1780	1800	1800
pH	s. u.	7.06	6.69	6.90	6.87
Solids, Total Dissolved TDS @ 180 C	mg/L	3540	3400	3350	3340
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	0.27	1.93	1.92	2.09
Molybdenum	mg/L	0.1	0.2	0.1	0.2
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.138	0.150	0.131	0.125
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.003	0.006	ND(0.001)	0.005
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	2.3	3.2	1.7	3.8
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.5	0.6	0.6	1.2
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	2.2	2.9	2.6	2.4
Radium 226 precision (±)	pCi/L	0.5	0.7	0.6	0.5
Radium 228	pCi/L	2.4	ND(1.0)	1.8	2.1
Radium 228 precision (±)	pCi/L	1.0		0.8	0.8
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	3.05	4.65	4.04	4.76
Anions	meq/L	46.6	48.7	49.2	48.2
Cations	meq/L	49.5	53.5	53.4	53.0
Solids, Total Dissolved Calculated	mg/L	3080	3180	3190	3170
TDS Balance (0.80 - 1.20)	dec. %	1.15	1.07	1.05	1.05
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	NA
Chloroform	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(1.0)

\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07010804-007  
 Client Sample ID: 711

Report Date: 02/23/07  
 Collection Date: 01/17/07 09:10  
 Date Received: 01/22/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	ND	mg/L		1		A2320 B	01/23/07 09:32 / jaj
Calcium	383	mg/L	D	0.6		E200.7	01/26/07 13:52 / ts
Chloride	13	mg/L		1		E200.7	01/26/07 13:49 / ts
Magnesium	402	mg/L	D	0.5		E200.7	01/26/07 13:52 / ts
Nitrogen, Ammonia as N	0.39	mg/L		0.05		A4500-NH3 G	01/25/07 15:08 / ljl
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	01/24/07 12:34 / ljl
Potassium	8.1	mg/L		0.5		E200.7	01/26/07 13:49 / ts
Sodium	74.9	mg/L		0.5		E200.7	01/26/07 13:49 / ts
Sulfate	2680	mg/L	D	8		E200.7	01/26/07 13:52 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	3.81	s.u.		0.01		A4500-H B	01/23/07 08:15 / lm
Solids, Total Dissolved TDS @ 180 C	5130	mg/L		10		A2540 C	01/23/07 09:02 / lm
<b>METALS - TOTAL</b>							
Aluminum	0.4	mg/L		0.1		E200.8	01/23/07 17:10 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/23/07 17:10 / bws
Cadmium	ND	mg/L		0.005		E200.8	01/23/07 17:10 / bws
Cobalt	0.29	mg/L		0.01		E200.8	01/23/07 17:10 / bws
Lead	ND	mg/L		0.05		E200.8	01/23/07 17:10 / bws
Manganese	5.30	mg/L		0.01		E200.8	01/23/07 17:10 / bws
Molybdenum	ND	mg/L		0.1		E200.8	01/23/07 17:10 / bws
Nickel	0.27	mg/L		0.05		E200.8	01/23/07 17:10 / bws
Uranium	0.0237	mg/L		0.0003		E200.8	01/23/07 17:10 / bws
Vanadium	ND	mg/L		0.1		E200.8	01/23/07 17:10 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	0.02	mg/L		0.001		A3114 B	02/09/07 14:26 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	02/10/07 16:10 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	8.5	pCi/L		1.0		E900.1	01/29/07 16:43 / res
Gross Alpha minus Rn & U Precision (±)	1	pCi/L				E900.1	01/29/07 16:43 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/24/07 12:00 / plj
Radium 226	6.8	pCi/L		0.2		E903.0	02/06/07 11:20 / trs
Radium 226 precision (±)	1.1	pCi/L				E903.0	02/06/07 11:20 / trs
Radium 228	9.9	pCi/L		1.0		RA-05	02/01/07 14:03 / plj
Radium 228 precision (±)	1.6	pCi/L				RA-05	02/01/07 14:03 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/26/07 15:00 / dmf

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07010804-007  
 Client Sample ID: 711

Report Date: 02/23/07  
 Collection Date: 01/17/07 09:10  
 Date Received: 01/22/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	2.35	%				Calculation	02/13/07 11:05 / cp
Anions	56.2	meq/L				Calculation	02/13/07 11:05 / cp
Cations	58.9	meq/L				Calculation	02/13/07 11:05 / cp
Solids, Total Dissolved Calculated	3570	mg/L				Calculation	02/13/07 11:05 / cp
TDS Balance (0.80 - 1.20)	1.41	dec. %				Calculation	02/13/07 11:05 / cp
- The TDS balance was affected by the presence of clay particles less than 1µm.							
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/24/07 02:19 / dkh
Bromoform	ND	ug/L		0.50		E624	01/24/07 02:19 / dkh
Chlorodibromomethane	ND	ug/L		0.50		E624	01/24/07 02:19 / dkh
Chloroform	ND	ug/L		0.50		E624	01/24/07 02:19 / dkh
Trihalomethanes, Total	ND	ug/L		0.50		E624	01/24/07 02:19 / dkh
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC			80-120	E624	01/24/07 02:19 / dkh
Surr: Dibromofluoromethane	110	%REC			80-120	E624	01/24/07 02:19 / dkh
Surr: p-Bromofluorobenzene	101	%REC			80-120	E624	01/24/07 02:19 / dkh
Surr: Toluene-d8	102	%REC			80-120	E624	01/24/07 02:19 / dkh

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07040987-002  
 Client Sample ID: 711

Report Date: 06/07/07  
 Collection Date: 04/16/07 13:32  
 Date Received: 04/20/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO3	ND	mg/L		1		A2320 B	04/23/07 08:57 / jaj
Calcium	484	mg/L	D	1		E200.7	04/26/07 11:13 / ts
Chloride	18	mg/L		1		E200.7	04/26/07 11:10 / ts
Magnesium	519	mg/L	D	1		E200.7	04/26/07 11:13 / ts
Nitrogen, Ammonia as N	0.41	mg/L		0.05		A4500-NH3 G	04/24/07 13:06 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/23/07 13:56 / jal
Potassium	10.3	mg/L		0.5		E200.7	04/26/07 11:10 / ts
Sodium	89.6	mg/L		0.5		E200.7	04/26/07 11:10 / ts
Sulfate	3500	mg/L	D	2		E200.7	04/26/07 11:13 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	3.91	s.u.		0.01		A4500-H B	04/23/07 09:56 / bas
Solids, Total Dissolved TDS @ 180 C	5070	mg/L		10		A2540 C	04/23/07 15:51 / bas
<b>METALS - TOTAL</b>							
Aluminum	0.5	mg/L		0.1		E200.7	04/26/07 11:10 / ts
Beryllium	ND	mg/L		0.01		E200.8	04/26/07 01:37 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/26/07 01:37 / sml
Cobalt	0.40	mg/L		0.01		E200.8	04/26/07 01:37 / sml
Lead	ND	mg/L		0.05		E200.8	04/26/07 01:37 / sml
Manganese	6.96	mg/L		0.01		E200.8	04/26/07 01:37 / sml
Molybdenum	0.1	mg/L		0.1		E200.8	04/26/07 01:37 / sml
Nickel	0.36	mg/L		0.05		E200.8	04/26/07 01:37 / sml
Uranium	0.0327	mg/L		0.0003		E200.8	04/26/07 01:37 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/26/07 01:37 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	0.03	mg/L		0.001		A3114 B	05/03/07 10:01 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	05/01/07 16:23 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	7.3	pCi/L		1.0		E900.1	05/11/07 12:59 / res
Gross Alpha minus Rn & U Precision (±)	0.8	pCi/L				E900.1	05/11/07 12:59 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/25/07 12:30 / plj
Radium 226	5.6	pCi/L		0.2		E903.0	05/08/07 13:28 / trs
Radium 226 precision (±)	0.7	pCi/L				E903.0	05/08/07 13:28 / trs
Radium 228	13.5	pCi/L		1.0		RA-05	05/03/07 10:35 / plj
Radium 228 precision (±)	1.2	pCi/L				RA-05	05/03/07 10:35 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	05/01/07 15:00 / dmf

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.





LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07040987-002  
 Client Sample ID: 711

Report Date: 06/07/07  
 Collection Date: 04/16/07 13:32  
 Date Received: 04/20/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	-0.653	%				Calculation	04/27/07 12:33 / bws
Anions	73.5	meq/L				Calculation	04/27/07 12:33 / bws
Cations	72.5	meq/L				Calculation	04/27/07 12:33 / bws
Solids, Total Dissolved Calculated	4630	mg/L				Calculation	04/27/07 12:33 / bws
TDS Balance (0.80 - 1.20)	1.10	dec. %				Calculation	04/27/07 12:33 / bws
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/23/07 17:58 / jlr
Bromoform	ND	ug/L		0.50		E624	04/23/07 17:58 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/23/07 17:58 / jlr
Chloroform	ND	ug/L		0.50		E624	04/23/07 17:58 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	04/23/07 17:58 / jlr
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	E624	04/23/07 17:58 / jlr
Surr: Dibromofluoromethane	111	%REC			80-120	E624	04/23/07 17:58 / jlr
Surr: p-Bromofluorobenzene	99.0	%REC			80-120	E624	04/23/07 17:58 / jlr
Surr: Toluene-d8	102	%REC			80-120	E624	04/23/07 17:58 / jlr

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



UNC Mining and Milling ChurchRock Operations  
 GroundWater Monitoring Summary: Zone 3 Monitor Wells

Well ID:	711	711	711	711	
Collection Date:	4/16/2007	1/17/2007	10/11/2006	7/25/2006	
Receive Date:	4/20/2007	1/22/2007	10/13/2006	7/28/2006	
Report Date:	6/7/2007	2/22/2007	11/10/2006	8/30/2006	
Analyte	Units	C07040987-002	C07010804-007	C06100704-009	C06071320-007
Bicarbonate as HCO3	mg/L	ND(1)	ND(1)	ND(1)	ND(1)
Calcium	mg/L	484	383	501	478
Chloride	mg/L	18	13	16	18
Magnesium	mg/L	519	402	524	491
Nitrogen, Ammonia as N	mg/L	0.41	0.39	1.09	1.10
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Potassium	mg/L	10.3	8.1	10.5	10.6
Sodium	mg/L	89.6	74.9	99.6	100
Sulfate	mg/L	3500	2680	3400	3350
pH	s.u.	3.91	3.81	4.41	3.08
Solids, Total Dissolved TDS @ 180 C	mg/L	5070	5130	4930	4790
Aluminum	mg/L	0.5	0.4	0.6	0.6
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.40	0.29	0.40	0.43
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	6.96	5.30	7.12	7.48
Molybdenum	mg/L	0.1	ND(0.1)	0.4	ND(0.1)
Nickel	mg/L	0.36	0.27	0.37	0.35
Uranium	mg/L	0.0327	0.0237	0.0295	0.0306
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.03	0.02	0.1	0.02
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	7.3	8.5	6.0	7.3
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.8	1.0	1.0	1.6
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	5.6	6.8	6.3	5.4
Radium 226 precision (±)	pCi/L	0.7	1.1	0.9	0.8
Radium 228	pCi/L	13.5	9.9	13.2	13.9
Radium 228 precision (±)	pCi/L	1.2	1.6	1.0	1.0
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	-0.653	2.35	4.25	2.34
Anions	meq/L	73.5	56.2	71.3	70.2
Cations	meq/L	72.5	58.9	77.7	73.6
Solids, Total Dissolved Calculated	mg/L	4630	3570	4560	4450
TDS Balance (0.80 - 1.20)	dec. %	1.10	1.41	1.08	1.08
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	NA
Chloroform	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(1.0)

\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07010488-001  
 Client Sample ID: 613

Report Date: 02/20/07  
 Collection Date: 01/09/07 11:45  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO3	ND	mg/L		1		A2320 B	01/15/07 11:03 / jaj
Calcium	410	mg/L	D	0.6		E200.7	01/23/07 13:18 / ts
Chloride	136	mg/L		1		E200.7	01/23/07 13:15 / ts
Magnesium	698	mg/L	D	0.5		E200.7	01/23/07 13:18 / ts
Nitrogen, Ammonia as N	239	mg/L	D	4		A4500-NH3 G	01/15/07 12:39 / jal
Nitrogen, Nitrate+Nitrite as N	9.0	mg/L	D	0.3		E353.2	01/16/07 14:58 / jal
Potassium	0.5	mg/L		0.5		E200.7	01/23/07 13:15 / ts
Potassium	1.0	mg/L	D	0.5		E200.7	01/23/07 13:18 / ts
Sodium	267	mg/L	D	0.6		E200.7	01/23/07 13:18 / ts
Sulfate	8550	mg/L	D	8		E200.7	01/23/07 13:18 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	3.02	s.u.		0.01		A4500-H B	01/15/07 13:38 / lm
Solids, Total Dissolved TDS @ 180 C	13100	mg/L		10		A2540 C	01/15/07 16:36 / lm
<b>METALS - TOTAL</b>							
Aluminum	679	mg/L		0.1		E200.8	01/17/07 14:38 / sml
Beryllium	0.19	mg/L		0.01		E200.8	01/16/07 16:23 / sml
Cadmium	0.032	mg/L		0.005		E200.8	01/16/07 16:23 / sml
Cobalt	2.02	mg/L		0.01		E200.8	01/16/07 16:23 / sml
Lead	ND	mg/L		0.05		E200.8	01/16/07 16:23 / sml
Manganese	61.7	mg/L		0.01		E200.8	01/16/07 16:23 / sml
Molybdenum	ND	mg/L		0.1		E200.8	01/16/07 16:23 / sml
Nickel	1.84	mg/L		0.05		E200.8	01/16/07 16:23 / sml
Uranium	1.22	mg/L	D	0.0004		E200.8	01/16/07 16:23 / sml
Vanadium	2.7	mg/L		0.1		E200.8	01/16/07 16:23 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	01/16/07 13:50 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	01/16/07 09:47 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	19.1	pCi/L		1.0		E900.1	01/25/07 10:46 / res
Gross Alpha minus Rn & U Precision (±)	1.7	pCi/L				E900.1	01/25/07 10:46 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/15/07 12:00 / plj
Radium 226	7.4	pCi/L		0.2		E903.0	01/29/07 12:07 / trs
Radium 226 precision (±)	0.8	pCi/L				E903.0	01/29/07 12:07 / trs
Radium 228	ND	pCi/L		1.0		RA-05	01/23/07 11:20 / plj
Thorium 230	467	pCi/L		0.2		E907.0	01/24/07 15:00 / dmf
Thorium 230 precision (±)	20.1	pCi/L				E907.0	01/24/07 15:00 / dmf

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07010488-001  
 Client Sample ID: 613

Report Date: 02/20/07  
 Collection Date: 01/09/07 11:45  
 Date Received: 01/12/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	1.81	%				Calculation	01/25/07 13:30 / cp
Anions	183	meq/L				Calculation	01/25/07 13:30 / cp
Cations	189	meq/L				Calculation	01/25/07 13:30 / cp
Solids, Total Dissolved Calculated	10200	mg/L				Calculation	01/25/07 13:30 / cp
TDS Balance (0.80 - 1.20)	1.28	dec. %				Calculation	01/25/07 13:30 / cp
- The TDS balance was affected by the formation of hydrated solids.							
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/16/07 20:48 / jlr
Bromoform	ND	ug/L		0.50		E624	01/16/07 20:48 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	01/16/07 20:48 / jlr
Chloroform	123	ug/L	D	5.0		E624	01/16/07 20:10 / jlr
Trihalomethanes, Total	123	ug/L		0.50		E624	01/16/07 20:48 / jlr
Surr: 1,2-Dichlorobenzene-d4	106	%REC			80-120	E624	01/16/07 20:48 / jlr
Surr: Dibromofluoromethane	98.0	%REC			80-120	E624	01/16/07 20:48 / jlr
Surr: p-Bromofluorobenzene	100	%REC			80-120	E624	01/16/07 20:48 / jlr
Surr: Toluene-d8	97.0	%REC			80-120	E624	01/16/07 20:48 / jlr

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07040669-001  
 Client Sample ID: 613

Report Date: 05/22/07  
 Collection Date: 04/10/07 13:58  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	ND	mg/L		1		A2320 B	04/16/07 12:41 / jaj
Calcium	444	mg/L		0.5		E200.7	04/27/07 16:10 / ts
Chloride	147	mg/L		1		E200.7	04/19/07 17:26 / ts
Magnesium	756	mg/L		0.5		E200.7	04/27/07 16:10 / ts
Nitrogen, Ammonia as N	250	mg/L	D	2		A4500-NH <sub>3</sub> G	04/17/07 11:28 / jal
Nitrogen, Nitrate+Nitrite as N	9.5	mg/L	D	0.2		E353.2	04/16/07 14:10 / ljt
Potassium	2.0	mg/L		0.5		E200.7	04/19/07 17:26 / ts
Sodium	278	mg/L		0.5		E200.7	04/19/07 17:26 / ts
Sulfate	9040	mg/L	D	3		E200.7	04/27/07 16:10 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	3.12	s.u.		0.01		A4500-H B	04/16/07 10:16 / bas
Solids, Total Dissolved TDS @ 180 C	12900	mg/L		10		A2540 C	04/16/07 12:46 / bas
<b>METALS - TOTAL</b>							
Aluminum	611	mg/L		0.1		E200.8	04/20/07 00:45 / sml
Beryllium	0.19	mg/L		0.01		E200.8	04/18/07 03:38 / sml
Cadmium	0.032	mg/L		0.005		E200.8	04/16/07 23:46 / sml
Cobalt	1.21	mg/L		0.01		E200.8	04/16/07 23:46 / sml
Lead	ND	mg/L		0.05		E200.8	04/16/07 23:46 / sml
Manganese	54.9	mg/L		0.01		E200.8	04/18/07 03:38 / sml
Molybdenum	ND	mg/L		0.1		E200.8	04/16/07 23:46 / sml
Nickel	1.75	mg/L		0.05		E200.8	04/16/07 23:46 / sml
Uranium	1.27	mg/L	D	0.0004		E200.8	04/18/07 03:38 / sml
Vanadium	1.6	mg/L		0.1		E200.8	04/16/07 23:46 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	04/26/07 13:19 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	04/25/07 16:07 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	46.0	pCi/L		1.0		E900.1	04/20/07 14:45 / res
Gross Alpha minus Rn & U Precision (±)	2.3	pCi/L				E900.1	04/20/07 14:45 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/18/07 12:00 / plj
Radium 226	7.5	pCi/L		0.2		E903.0	04/30/07 11:24 / trs
Radium 226 precision (±)	1.2	pCi/L				E903.0	04/30/07 11:24 / trs
Radium 228	ND	pCi/L		1.0		RA-05	04/25/07 10:08 / plj
Thorium 230	681	pCi/L		0.2		E907.0	04/23/07 15:00 / dmf
Thorium 230 precision (±)	31.8	pCi/L				E907.0	04/23/07 15:00 / dmf

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07040669-001  
 Client Sample ID: 613

Report Date: 05/22/07  
 Collection Date: 04/10/07 13:58  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	-1.07	%				Calculation	04/30/07 12:52 / bws
Anions	193	meq/L				Calculation	04/30/07 12:52 / bws
Cations	189	meq/L				Calculation	04/30/07 12:52 / bws
Solids, Total Dissolved Calculated	10800	mg/L				Calculation	04/30/07 12:52 / bws
TDS Balance (0.80 - 1.20)	1.19	dec. %				Calculation	04/30/07 12:52 / bws
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/20/07 19:38 / dkh
Bromoform	ND	ug/L		0.50		E624	04/20/07 19:38 / dkh
Chlorodibromomethane	ND	ug/L		0.50		E624	04/20/07 19:38 / dkh
Chloroform	114	ug/L	D	5.0		E624	04/20/07 18:24 / dkh
Trihalomethanes, Total	114	ug/L		0.50		E624	04/20/07 19:38 / dkh
Surr: 1,2-Dichlorobenzene-d4	99.0	%REC			80-120	E624	04/20/07 19:38 / dkh
Surr: Dibromofluoromethane	96.0	%REC			80-120	E624	04/20/07 19:38 / dkh
Surr: p-Bromofluorobenzene	100	%REC			80-120	E624	04/20/07 19:38 / dkh
Surr: Toluene-d8	96.0	%REC			80-120	E624	04/20/07 19:38 / dkh

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



UNC Mining and Milling ChurchRock Operations  
 GroundWater Monitoring Summary: Zone 3 Monitor Wells

Well ID:	613	613	613	613	
Collection Date:	4/10/2007	1/9/2007	10/3/2006	7/19/2006	
Receive Date:	4/13/2007	1/12/2007	10/6/2006	7/21/2006	
Report Date:	5/22/2007	2/20/2007	11/8/2006	9/1/2006	
Analyte	Units	C07040669-001	C07010488-001	C06100376-001	C06070995-002
Bicarbonate as HCO3	mg/L	ND(1)	ND(1)	ND(1)	ND(1)
Calcium	mg/L	444	410	435	388
Chloride	mg/L	147	136	138	173
Magnesium	mg/L	756	698	726	717
Nitrogen, Ammonia as N	mg/L	250	239	268	242
Nitrogen, Nitrate+Nitrite as N	mg/L	9.5	9.0	9.5	10.4
Potassium	mg/L	2.0	0.5	0.6	1.9
Sodium	mg/L	278	267	269	290
Sulfate	mg/L	9040	8550	8790	9170
pH	s.u.	3.12	3.02	3.06	3.06
Solids, Total Dissolved TDS @ 180 C	mg/L	12900	13100	12900	12600
Aluminum	mg/L	611	679	511	710
Beryllium	mg/L	0.19	0.19	0.18	0.16
Cadmium	mg/L	0.032	0.032	0.032	0.032
Cobalt	mg/L	1.21	2.02	2.00	1.82
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	0.07
Manganese	mg/L	54.9	61.7	58.1	54.8
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	1.75	1.84	1.81	1.87
Uranium	mg/L	1.27	1.22	1.35	0.992
Vanadium	mg/L	1.6	2.7	2.6	2.5
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	46	19.1	36.6	52.2
Gross Alpha minus Rn & U Precision (±)	pCi/L	2.0	1.7	2.0	3.8
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	7.5	7.4	8.3	14.0
Radium 226 precision (±)	pCi/L	1.2	0.8	1.1	1.3
Radium 228	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Radium 228 precision (±)	pCi/L				
Thorium 230	pCi/L	681	467	398	327
Thorium 230 precision (±)	pCi/L	31.8	20.1	15.0	13.2
A/C Balance (± 5)		-1.07	1.81	-3.15	1.03
Anions		193	183	188	184
Cations		189	189	176	188
Solids, Total Dissolved Calculated		10800	10200	10500	10100
TDS Balance (0.80 - 1.20)		1.19	1.28	1.23	1.25
Trihalomethanes, Total	ug/L	114	123	118	NA
Chloroform	ug/L	114	123	118	108

\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07010804-009  
 Client Sample ID: 708

Report Date: 02/23/07  
 Collection Date: 01/17/07 10:19  
 Date Received: 01/22/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO3	ND	mg/L		1		A2320 B	01/23/07 09:36 / jaj
Calcium	420	mg/L	D	0.6		E200.7	01/26/07 14:06 / ts
Chloride	24	mg/L		1		E200.7	01/26/07 14:03 / ts
Magnesium	543	mg/L	D	0.5		E200.7	01/26/07 14:06 / ts
Nitrogen, Ammonia as N	1.0	mg/L	D	0.2		A4500-NH3 G	01/25/07 14:52 / ljl
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	01/24/07 12:39 / ljl
Potassium	11.1	mg/L		0.5		E200.7	01/26/07 14:03 / ts
Sodium	101	mg/L		0.5		E200.7	01/26/07 14:03 / ts
Sulfate	3570	mg/L	D	8		E200.7	01/26/07 14:06 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	3.76	s.u.		0.01		A4500-H B	01/23/07 08:15 / lm
Solids, Total Dissolved TDS @ 180 C	5960	mg/L		10		A2540 C	01/23/07 09:05 / lm
<b>METALS - TOTAL</b>							
Aluminum	2.6	mg/L		0.1		E200.8	01/23/07 17:55 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/23/07 17:55 / bws
Cadmium	ND	mg/L		0.005		E200.8	01/23/07 17:55 / bws
Cobalt	0.29	mg/L		0.01		E200.8	01/23/07 17:55 / bws
Lead	ND	mg/L		0.05		E200.8	01/23/07 17:55 / bws
Manganese	10.8	mg/L		0.01		E200.8	01/24/07 22:24 / bws
Molybdenum	ND	mg/L		0.1		E200.8	01/23/07 17:55 / bws
Nickel	0.29	mg/L		0.05		E200.8	01/23/07 17:55 / bws
Uranium	0.0194	mg/L		0.0003		E200.8	01/23/07 17:55 / bws
Vanadium	ND	mg/L		0.1		E200.8	01/23/07 17:55 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	0.001	mg/L		0.001		A3114 B	02/09/07 14:30 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	02/10/07 16:15 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	12.0	pCi/L		1.0		E900.1	01/29/07 16:43 / res
Gross Alpha minus Rn & U Precision (±)	1.1	pCi/L				E900.1	01/29/07 16:43 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/24/07 12:00 / plj
Radium 226	7.7	pCi/L		0.2		E903.0	02/06/07 11:20 / trs
Radium 226 precision (±)	1.1	pCi/L				E903.0	02/06/07 11:20 / trs
Radium 228	5.1	pCi/L		1.0		RA-05	02/01/07 14:03 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/26/07 15:00 / dmf

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.





LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07010804-009  
 Client Sample ID: 708

Report Date: 02/23/07  
 Collection Date: 01/17/07 10:19  
 Date Received: 01/22/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	2.21	%				Calculation	02/13/07 11:06 / cp
Anions	75.0	meq/L				Calculation	02/13/07 11:06 / cp
Cations	78.4	meq/L				Calculation	02/13/07 11:06 / cp
Solids, Total Dissolved Calculated	4690	mg/L				Calculation	02/13/07 11:06 / cp
TDS Balance (0.80 - 1.20)	1.22	dec. %				Calculation	02/13/07 11:06 / cp
- The TDS balance was affected by the presence of clay particles less than 1µm.							
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L	D	1.0		E624	01/23/07 17:48 / dkh
Bromoform	ND	ug/L	D	1.0		E624	01/23/07 17:48 / dkh
Chlorodibromomethane	ND	ug/L	D	1.0		E624	01/23/07 17:48 / dkh
Chloroform	ND	ug/L	D	1.0		E624	01/23/07 17:48 / dkh
Trihalomethanes, Total	ND	ug/L	D	1.0		E624	01/23/07 17:48 / dkh
Surr: 1,2-Dichlorobenzene-d4	97.0	%REC			80-120	E624	01/23/07 17:48 / dkh
Surr: Dibromofluoromethane	106	%REC			80-120	E624	01/23/07 17:48 / dkh
Surr: p-Bromofluorobenzene	103	%REC			80-120	E624	01/23/07 17:48 / dkh
Surr: Toluene-d8	102	%REC			80-120	E624	01/23/07 17:48 / dkh

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07040987-001  
 Client Sample ID: 708

Report Date: 06/07/07  
 Collection Date: 04/16/07 11:45  
 Date Received: 04/20/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	ND	mg/L		1		A2320 B	04/23/07 08:56 / jaj
Calcium	442	mg/L	D	1		E200.7	04/26/07 11:00 / ts
Chloride	27	mg/L		1		E200.7	04/26/07 10:56 / ts
Magnesium	589	mg/L	D	1		E200.7	04/26/07 11:00 / ts
Nitrogen, Ammonia as N	1.10	mg/L		0.05		A4500-NH <sub>3</sub> G	04/24/07 13:04 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/23/07 13:54 / jal
Potassium	9.8	mg/L		0.5		E200.7	04/26/07 10:56 / ts
Sodium	103	mg/L		0.5		E200.7	04/26/07 10:56 / ts
Sulfate	3910	mg/L	D	2		E200.7	04/26/07 11:00 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	3.80	s.u.		0.01		A4500-H B	04/23/07 09:55 / bas
Solids, Total Dissolved TDS @ 180 C	5900	mg/L		10		A2540 C	04/23/07 15:51 / bas
<b>METALS - TOTAL</b>							
Aluminum	2.8	mg/L		0.1		E200.7	04/26/07 10:56 / ts
Beryllium	ND	mg/L		0.01		E200.8	04/26/07 01:29 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/26/07 01:29 / sml
Cobalt	0.36	mg/L		0.01		E200.8	04/26/07 01:29 / sml
Lead	ND	mg/L		0.05		E200.8	04/26/07 01:29 / sml
Manganese	11.1	mg/L		0.01		E200.8	04/26/07 01:29 / sml
Molybdenum	ND	mg/L		0.1		E200.8	04/26/07 01:29 / sml
Nickel	0.32	mg/L		0.05		E200.8	04/26/07 01:29 / sml
Uranium	0.0196	mg/L		0.0003		E200.8	04/26/07 01:29 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/26/07 01:29 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	05/03/07 09:58 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	05/01/07 16:21 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	8.8	pCi/L		1.0		E900.1	05/11/07 12:59 / res
Gross Alpha minus Rn & U Precision (±)	1.3	pCi/L				E900.1	05/11/07 12:59 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/25/07 12:30 / plj
Radium 226	6.6	pCi/L		0.2		E903.0	05/08/07 13:28 / trs
Radium 226 precision (±)	0.8	pCi/L				E903.0	05/08/07 13:28 / trs
Radium 228	5.9	pCi/L		1.0		RA-05	05/03/07 10:35 / plj
Radium 228 precision (±)	1.1	pCi/L				RA-05	05/03/07 10:35 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	05/01/07 15:00 / dmf

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

D - RL increased due to sample matrix interference.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07040987-001  
 Client Sample ID: 708

Report Date: 06/07/07  
 Collection Date: 04/16/07 11:45  
 Date Received: 04/20/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	-1.21	%				Calculation	04/27/07 12:32 / bws
Anions	82.2	meq/L				Calculation	04/27/07 12:32 / bws
Cations	80.3	meq/L				Calculation	04/27/07 12:32 / bws
Solids, Total Dissolved Calculated	5100	mg/L				Calculation	04/27/07 12:32 / bws
TDS Balance (0.80 - 1.20)	1.16	dec. %				Calculation	04/27/07 12:32 / bws
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/23/07 17:17 / jlr
Bromoform	ND	ug/L		0.50		E624	04/23/07 17:17 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/23/07 17:17 / jlr
Chloroform	ND	ug/L		0.50		E624	04/23/07 17:17 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	04/23/07 17:17 / jlr
Surr: 1,2-Dichlorobenzene-d4	103	%REC			80-120	E624	04/23/07 17:17 / jlr
Surr: Dibromofluoromethane	116	%REC			80-120	E624	04/23/07 17:17 / jlr
Surr: p-Bromofluorobenzene	98.0	%REC			80-120	E624	04/23/07 17:17 / jlr
Surr: Toluene-d8	102	%REC			80-120	E624	04/23/07 17:17 / jlr

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



UNC Mining and Milling ChurchRock Operations  
 GroundWater Monitoring Summary: Zone 3 Monitor Wells

Well ID:	708	708	708	708	
Collection Date:	4/16/2007	1/17/2007	10/10/2006	7/25/2006	
Receive Date:	4/20/2007	1/22/2007	10/13/2006	7/28/2006	
Report Date:	6/7/2007	2/22/2007	11/10/2006	8/30/2006	
Analyte	Units	C07040987-001	C07010804-009	C06100704-007	C06071320-009
Bicarbonate as HCO3	mg/L	ND(1)	ND(1)	ND(1)	ND(1)
Calcium	mg/L	442	420	448	439
Chloride	mg/L	27	24	24	26
Magnesium	mg/L	589	543	576	553
Nitrogen, Ammonia as N	mg/L	1.10	1.0	1.97	1.82
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Potassium	mg/L	9.8	11.1	11.4	11.6
Sodium	mg/L	103	101	108	110
Sulfate	mg/L	3910	3570	3740	3680
pH	s. u.	3.80	3.76	3.63	3.69
Solids, Total Dissolved TDS @ 180 C	mg/L	5900	5960	5920	5670
Aluminum	mg/L	2.8	2.6	2.9	2.9
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.36	0.29	0.35	0.35
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	11.1	10.8	11.2	11.1
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.32	0.29	0.33	0.29
Uranium	mg/L	0.0196	0.0194	0.0201	0.0221
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	0.001	0.002	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	8.8	12.0	7.9	7.7
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.3	1.1	1.2	1.6
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	6.6	7.7	7.9	7.1
Radium 226 precision (±)	pCi/L	0.8	1.1	1.0	0.9
Radium 228	pCi/L	5.9	5.1	5.1	6.4
Radium 228 precision (±)	pCi/L	1.1	1.5	0.9	0.9
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	-1.21	2.21	2.61	2.37
Anions	meq/L	82.2	75.0	78.6	77.3
Cations	meq/L	80.3	78.4	82.8	81.0
Solids, Total Dissolved Calculated	mg/L	5100	4690	4930	4830
TDS Balance (0.80 - 1.20)	dec. %	1.16	1.22	1.20	1.17
Trihalomethanes, Total	ug/L	ND(0.50)	ND(1.0)	ND(0.50)	NA
Chloroform	ug/L	ND(0.50)	ND(1.0)	ND(0.50)	ND(1.0)

\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07010804-005  
 Client Sample ID: NBL-1

Revised Date: 03/06/07  
 Report Date: 02/23/07  
 Collection Date: 01/16/07 13:14  
 Date Received: 01/22/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	217	mg/L		1		A2320 B	01/23/07 09:24 / jaj
Calcium	615	mg/L	D	0.6		E200.7	01/26/07 13:29 / ts
Chloride	53	mg/L		1		E200.7	01/26/07 13:26 / ts
Magnesium	304	mg/L	D	0.5		E200.7	01/26/07 13:29 / ts
Nitrogen, Ammonia as N	5.3	mg/L	D	0.2		A4500-NH <sub>3</sub> G	01/25/07 14:34 / ljl
Nitrogen, Nitrate+Nitrite as N	0.2	mg/L		0.1		E353.2	01/24/07 12:24 / ljl
Potassium	14.5	mg/L	D	0.5		E200.7	01/26/07 13:29 / ts
Sodium	139	mg/L		0.5		E200.7	01/26/07 13:26 / ts
Sulfate	2690	mg/L	D	8		E200.7	01/26/07 13:29 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.90	s.u.		0.01		A4500-H B	01/23/07 08:15 / lm
Solids, Total Dissolved TDS @ 180 C	4390	mg/L		10		A2540 C	01/23/07 09:00 / lm
<b>METALS - TOTAL</b>							
Aluminum	0.1	mg/L		0.1		E200.8	01/23/07 16:55 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/23/07 16:55 / bws
Cadmium	ND	mg/L		0.005		E200.8	01/23/07 16:55 / bws
Cobalt	0.29	mg/L		0.01		E200.8	01/23/07 16:55 / bws
Lead	ND	mg/L		0.05		E200.8	01/23/07 16:55 / bws
Manganese	7.63	mg/L		0.01		E200.8	01/23/07 16:55 / bws
Molybdenum	5.0	mg/L		0.1		E200.8	01/23/07 16:55 / bws
Nickel	0.30	mg/L		0.05		E200.8	01/23/07 16:55 / bws
Uranium	0.0784	mg/L		0.0003		E200.8	01/23/07 16:55 / bws
Vanadium	ND	mg/L		0.1		E200.8	01/23/07 16:55 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	0.51	mg/L	D	0.01		A3114 B	02/09/07 13:52 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	02/10/07 15:47 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	12.2	pCi/L		1.0		E900.1	01/29/07 15:05 / res
Gross Alpha minus Rn & U Precision (±)	1.2	pCi/L				E900.1	01/29/07 15:05 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/24/07 12:00 / plj
Radium 226	10.8	pCi/L		0.2		E903.0	02/06/07 11:20 / trs
Radium 226 precision (±)	1.3	pCi/L				E903.0	02/06/07 11:20 / trs
Radium 228	4.8	pCi/L		1.0		RA-05	02/01/07 14:03 / plj
Radium 228 precision (±)	1.5	pCi/L				RA-05	02/01/07 14:03 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/26/07 15:00 / dmf

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.

D - RL increased due to sample matrix interference.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07010804-005  
 Client Sample ID: NBL-1

Revised Date: 03/06/07  
 Report Date: 02/23/07  
 Collection Date: 01/16/07 13:14  
 Date Received: 01/22/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	1.71	%				Calculation	01/29/07 12:39 / cp
Anions	61.2	meq/L				Calculation	01/29/07 12:39 / cp
Cations	63.3	meq/L				Calculation	01/29/07 12:39 / cp
Solids, Total Dissolved Calculated	3940	mg/L				Calculation	01/29/07 12:39 / cp
TDS Balance (0.80 - 1.20)	1.11	dec. %				Calculation	01/29/07 12:39 / cp
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/24/07 00:59 / dkh
Bromoform	ND	ug/L		0.50		E624	01/24/07 00:59 / dkh
Chlorodibromomethane	ND	ug/L		0.50		E624	01/24/07 00:59 / dkh
Chloroform	ND	ug/L		0.50		E624	01/24/07 00:59 / dkh
Trihalomethanes, Total	ND	ug/L		0.50		E624	01/24/07 00:59 / dkh
Surr: 1,2-Dichlorobenzene-d4	97.0	%REC			80-120	E624	01/24/07 00:59 / dkh
Surr: Dibromofluoromethane	112	%REC			80-120	E624	01/24/07 00:59 / dkh
Surr: p-Bromofluorobenzene	102	%REC			80-120	E624	01/24/07 00:59 / dkh
Surr: Toluene-d8	102	%REC			80-120	E624	01/24/07 00:59 / dkh

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07040987-004  
 Client Sample ID: NBL-1

Report Date: 06/07/07  
 Collection Date: 04/17/07 09:43  
 Date Received: 04/20/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO3	222	mg/L		1		A2320 B	04/23/07 09:01 / jaj
Calcium	619	mg/L	D	1		E200.7	04/26/07 11:27 / ts
Chloride	56	mg/L		1		E200.7	04/26/07 11:23 / ts
Magnesium	313	mg/L	D	1		E200.7	04/26/07 11:27 / ts
Nitrogen, Ammonia as N	9.3	mg/L	D	0.2		A4500-NH3 G	04/24/07 13:25 / jal
Nitrogen, Nitrate+Nitrite as N	0.3	mg/L		0.1		E353.2	04/23/07 14:09 / jal
Potassium	14.1	mg/L		0.5		E200.7	04/26/07 11:23 / ts
Sodium	133	mg/L		0.5		E200.7	04/26/07 11:23 / ts
Sulfate	2800	mg/L	D	2		E200.7	04/26/07 11:27 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.60	s.u.		0.01		A4500-H B	04/23/07 09:59 / bas
Solids, Total Dissolved TDS @ 180 C	4250	mg/L		10		A2540 C	04/23/07 15:52 / bas
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.7	04/26/07 11:23 / ts
Beryllium	ND	mg/L		0.01		E200.8	04/26/07 01:52 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/26/07 01:52 / sml
Cobalt	0.26	mg/L		0.01		E200.8	04/26/07 01:52 / sml
Lead	ND	mg/L		0.05		E200.8	04/26/07 01:52 / sml
Manganese	8.09	mg/L		0.01		E200.8	04/26/07 01:52 / sml
Molybdenum	3.1	mg/L		0.1		E200.8	04/26/07 01:52 / sml
Nickel	0.29	mg/L		0.05		E200.8	04/26/07 01:52 / sml
Uranium	0.0836	mg/L		0.0003		E200.8	04/26/07 01:52 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/26/07 01:52 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	0.40	mg/L	D	0.006		A3114 B	05/05/07 12:19 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	05/01/07 16:28 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	10.1	pCi/L		1.0		E900.1	05/11/07 12:59 / res
Gross Alpha minus Rn & U Precision (±)	0.9	pCi/L				E900.1	05/11/07 12:59 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/25/07 12:30 / plj
Radium 226	10.3	pCi/L		0.2		E903.0	05/08/07 13:28 / trs
Radium 226 precision (±)	1.0	pCi/L				E903.0	05/08/07 13:28 / trs
Radium 228	10.4	pCi/L		1.0		RA-05	05/03/07 10:35 / plj
Radium 228 precision (±)	1.2	pCi/L				RA-05	05/03/07 10:35 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	05/01/07 15:00 / dmf

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07040987-004  
 Client Sample ID: NBL-1

Report Date: 06/07/07  
 Collection Date: 04/17/07 09:43  
 Date Received: 04/20/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	0.511	%				Calculation	04/27/07 12:34 / bws
Anions	63.5	meq/L				Calculation	04/27/07 12:34 / bws
Cations	64.1	meq/L				Calculation	04/27/07 12:34 / bws
Solids, Total Dissolved Calculated	4050	mg/L				Calculation	04/27/07 12:34 / bws
TDS Balance (0.80 - 1.20)	1.05	dec. %				Calculation	04/27/07 12:34 / bws
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/23/07 20:03 / jlr
Bromoform	ND	ug/L		0.50		E624	04/23/07 20:03 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/23/07 20:03 / jlr
Chloroform	ND	ug/L		0.50		E624	04/23/07 20:03 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	04/23/07 20:03 / jlr
Surr: 1,2-Dichlorobenzene-d4	102	%REC			80-120	E624	04/23/07 20:03 / jlr
Surr: Dibromofluoromethane	118	%REC			80-120	E624	04/23/07 20:03 / jlr
Surr: p-Bromofluorobenzene	98.0	%REC			80-120	E624	04/23/07 20:03 / jlr
Surr: Toluene-d8	103	%REC			80-120	E624	04/23/07 20:03 / jlr

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.





UNC Mining and Milling ChurchRock Operations  
 GroundWater Monitoring Summary: Zone 3 Monitor Wells

Well ID:	NBL-1	NBL-1	NBL-1	NBL-1	
Collection Date:	4/17/2007	1/16/2007	10/9/2006	7/24/2006	
Receive Date:	4/20/2007	1/22/2007	10/13/2006	7/28/2006	
Report Date:	6/7/2007	2/22/2007	11/10/2006	8/30/2006	
Analyte	Units	C07040987-004	C07010804-005	C06100704-001	C06071320-001
Bicarbonate as HCO <sub>3</sub>	mg/L	222	217	181	117
Calcium	mg/L	619	615	629	622
Chloride	mg/L	56	53	43	44
Magnesium	mg/L	313	304	316	309
Nitrogen, Ammonia as N	mg/L	9.3	5.3	3.04	1.35
Nitrogen, Nitrate+Nitrite as N	mg/L	0.3	0.2	0.1	ND(0.1)
Potassium	mg/L	14.1	14.5	11.4	9.5
Sodium	mg/L	133	139	138	139
Sulfate	mg/L	2800	2690	2680	2760
pH	s.u.	6.60	6.90	6.56	6.40
Solids, Total Dissolved TDS @ 180 C	mg/L	4250	4390	4050	3980
Aluminum	mg/L	ND(0.1)	0.1	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.26	0.29	0.21	0.24
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	8.09	7.63	6.64	5.98
Molybdenum	mg/L	3.1	5.0	2.3	1.0
Nickel	mg/L	0.29	0.30	0.30	0.35
Uranium	mg/L	0.0836	0.0784	0.0427	0.0214
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.40	0.51	0.72	0.18
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	10.1	12.2	7.5	9.6
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.9	1.2	1.2	1.9
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	10.3	10.8	9.7	8.6
Radium 226 precision (±)	pCi/L	1.0	1.3	1.1	1.0
Radium 228	pCi/L	10.4	4.8	8.1	7.3
Radium 228 precision (±)	pCi/L	1.2	1.5	0.9	0.9
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	0.511	1.71	3.66	2.26
Anions	meq/L	63.5	61.2	59.9	60.6
Cations	meq/L	64.1	63.3	64.5	63.4
Solids, Total Dissolved Calculated	mg/L	4050	3940	3920	3960
TDS Balance (0.80 - 1.20)	dec. %	1.05	1.11	1.03	1.01
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	NA
Chloroform	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(1.0)

\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.



### LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07010804-006  
 Client Sample ID: EPA-13

Report Date: 02/23/07  
 Collection Date: 01/16/07 13:45  
 Date Received: 01/22/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	76	mg/L		1		A2320 B	01/23/07 09:27 / jaj
Calcium	395	mg/L	D	0.6		E200.7	01/26/07 13:46 / ts
Chloride	34	mg/L		1		E200.7	01/26/07 13:42 / ts
Magnesium	651	mg/L	D	0.5		E200.7	01/26/07 13:46 / ts
Nitrogen, Ammonia as N	0.34	mg/L		0.05		A4500-NH <sub>3</sub> G	01/25/07 14:36 / ljl
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	01/24/07 12:27 / ljl
Potassium	10.2	mg/L		0.5		E200.7	01/26/07 13:42 / ts
Sodium	118	mg/L		0.5		E200.7	01/26/07 13:42 / ts
Sulfate	3510	mg/L	D	8		E200.7	01/26/07 13:46 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.86	s.u.		0.01		A4500-H B	01/23/07 08:15 / lm
Solids, Total Dissolved TDS @ 180 C	6280	mg/L		10		A2540 C	01/23/07 09:01 / lm
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.8	01/23/07 17:02 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/23/07 17:02 / bws
Cadmium	ND	mg/L		0.005		E200.8	01/23/07 17:02 / bws
Cobalt	0.05	mg/L		0.01		E200.8	01/23/07 17:02 / bws
Lead	ND	mg/L		0.05		E200.8	01/23/07 17:02 / bws
Manganese	5.32	mg/L		0.01		E200.8	01/23/07 17:02 / bws
Molybdenum	0.2	mg/L		0.1		E200.8	01/23/07 17:02 / bws
Nickel	0.11	mg/L		0.05		E200.8	01/23/07 17:02 / bws
Uranium	0.0141	mg/L		0.0003		E200.8	01/23/07 17:02 / bws
Vanadium	ND	mg/L		0.1		E200.8	01/23/07 17:02 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	0.53	mg/L	D	0.006		A3114 B	02/09/07 14:03 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	02/10/07 15:49 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	7.2	pCi/L		1.0		E900.1	01/29/07 15:05 / res
Gross Alpha minus Rn & U Precision (±)	0.9	pCi/L				E900.1	01/29/07 15:05 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/24/07 12:00 / plj
Radium 226	5.3	pCi/L		0.2		E903.0	02/06/07 11:20 / trs
Radium 226 precision (±)	0.9	pCi/L				E903.0	02/06/07 11:20 / trs
Radium 228	5.8	pCi/L		1.0		RA-05	02/01/07 14:03 / plj
Radium 228 precision (±)	1.5	pCi/L				RA-05	02/01/07 14:03 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/26/07 15:00 / dmf

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07010804-006  
 Client Sample ID: EPA-13

Report Date: 02/23/07  
 Collection Date: 01/16/07 13:45  
 Date Received: 01/22/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	2.73	%				Calculation	02/13/07 11:04 / cp
Anions	75.2	meq/L				Calculation	02/13/07 11:04 / cp
Cations	79.5	meq/L				Calculation	02/13/07 11:04 / cp
Solids, Total Dissolved Calculated	4770	mg/L				Calculation	02/13/07 11:04 / cp
TDS Balance (0.80 - 1.20)	1.29	dec. %				Calculation	02/13/07 11:04 / cp

- The TDS balance was affected by the presence of clay particles less than 1µm.

**VOLATILE ORGANIC COMPOUNDS**

Bromodichloromethane	ND	ug/L		0.50		E624	01/24/07 01:39 / dkh
Bromoform	ND	ug/L		0.50		E624	01/24/07 01:39 / dkh
Chlorodibromomethane	ND	ug/L		0.50		E624	01/24/07 01:39 / dkh
Chloroform	ND	ug/L		0.50		E624	01/24/07 01:39 / dkh
Trihalomethanes, Total	ND	ug/L		0.50		E624	01/24/07 01:39 / dkh
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC			80-120	E624	01/24/07 01:39 / dkh
Surr: Dibromofluoromethane	114	%REC			80-120	E624	01/24/07 01:39 / dkh
Surr: p-Bromofluorobenzene	102	%REC			80-120	E624	01/24/07 01:39 / dkh
Surr: Toluene-d8	102	%REC			80-120	E624	01/24/07 01:39 / dkh

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07040987-007  
 Client Sample ID: EPA-13

Report Date: 06/07/07  
 Collection Date: 04/17/07 13:54  
 Date Received: 04/20/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	81	mg/L		1		A2320 B	04/23/07 09:06 / jaj
Calcium	469	mg/L	D	1		E200.7	04/26/07 11:56 / ts
Chloride	41	mg/L		1		E200.7	04/26/07 11:53 / ts
Magnesium	798	mg/L	D	1		E200.7	04/26/07 11:56 / ts
Nitrogen, Ammonia as N	0.41	mg/L		0.05		A4500-NH <sub>3</sub> G	04/24/07 13:40 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/23/07 14:16 / jal
Potassium	11.7	mg/L		0.5		E200.7	04/26/07 11:53 / ts
Sodium	126	mg/L		0.5		E200.7	04/26/07 11:53 / ts
Sulfate	4430	mg/L	D	2		E200.7	04/26/07 11:56 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.37	s.u.		0.01		A4500-H B	04/23/07 10:03 / bas
Solids, Total Dissolved TDS @ 180 C	6370	mg/L		10		A2540 C	04/23/07 15:53 / bas
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.7	04/26/07 11:53 / ts
Beryllium	ND	mg/L		0.01		E200.8	04/26/07 02:45 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/26/07 02:45 / sml
Cobalt	0.06	mg/L		0.01		E200.8	04/26/07 02:45 / sml
Lead	ND	mg/L		0.05		E200.8	04/26/07 02:45 / sml
Manganese	6.60	mg/L		0.01		E200.8	04/26/07 02:45 / sml
Molybdenum	0.2	mg/L		0.1		E200.8	04/26/07 02:45 / sml
Nickel	0.14	mg/L		0.05		E200.8	04/26/07 02:45 / sml
Uranium	0.0154	mg/L		0.0003		E200.8	04/26/07 02:45 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/26/07 02:45 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	0.84	mg/L	D	0.006		A3114 B	05/05/07 12:33 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	05/11/07 08:26 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	5.9	pCi/L		1.0		E900.1	05/11/07 12:59 / res
Gross Alpha minus Rn & U Precision (±)	0.7	pCi/L				E900.1	05/11/07 12:59 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/25/07 12:30 / plj
Radium 226	4.2	pCi/L		0.2		E903.0	05/08/07 13:28 / trs
Radium 226 precision (±)	0.6	pCi/L				E903.0	05/08/07 13:28 / trs
Radium 228	7.1	pCi/L		1.0		RA-05	05/03/07 10:35 / plj
Radium 228 precision (±)	1.1	pCi/L				RA-05	05/03/07 10:35 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	05/01/07 15:00 / dmf

Report RL - Analyte reporting limit. MCL - Maximum contaminant level.  
 Definitions: QCL - Quality control limit. ND - Not detected at the reporting limit.  
 D - RL increased due to sample matrix interference.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07040987-007  
 Client Sample ID: EPA-13

Report Date: 06/07/07  
 Collection Date: 04/17/07 13:54  
 Date Received: 04/20/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	0.504	%				Calculation	04/27/07 12:36 / bws
Anions	94.7	meq/L				Calculation	04/27/07 12:36 / bws
Cations	95.7	meq/L				Calculation	04/27/07 12:36 / bws
Solids, Total Dissolved Calculated	5940	mg/L				Calculation	04/27/07 12:36 / bws
TDS Balance (0.80 - 1.20)	1.07	dec. %				Calculation	04/27/07 12:36 / bws
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/24/07 02:59 / jlr
Bromoform	ND	ug/L		0.50		E624	04/24/07 02:59 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/24/07 02:59 / jlr
Chloroform	ND	ug/L		0.50		E624	04/24/07 02:59 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	04/24/07 02:59 / jlr
Surr: 1,2-Dichlorobenzene-d4	103	%REC			80-120	E624	04/24/07 02:59 / jlr
Surr: Dibromofluoromethane	114	%REC			80-120	E624	04/24/07 02:59 / jlr
Surr: p-Bromofluorobenzene	98.0	%REC			80-120	E624	04/24/07 02:59 / jlr
Surr: Toluene-d8	102	%REC			80-120	E624	04/24/07 02:59 / jlr

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



UNC Mining and Milling ChurchRock Operations  
 GroundWater Monitoring Summary: Zone 3 Monitor Wells

Well ID:	EPA-13	EPA-13	EPA-13	EPA-13
Collection Date:	4/17/2007	1/16/2007	10/10/2006	7/25/2006
Receive Date:	4/20/2007	1/22/2007	10/13/2006	7/28/2006
Report Date:	6/7/2007	2/22/2007	11/10/2006	8/30/2006

Analyte	Units	C07040987-007	C07010804-006	C06100704-006	C06071320-006
Bicarbonate as HCO3	mg/L	81	76	64	80
Calcium	mg/L	469	395	483	481
Chloride	mg/L	41	34	36	38
Magnesium	mg/L	798	651	784	772
Nitrogen, Ammonia as N	mg/L	0.41	0.34	0.70	0.74
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Potassium	mg/L	11.7	10.2	11.8	11.6
Sodium	mg/L	126	118	132	138
Sulfate	mg/L	4430	3510	4210	4240
pH	s.u.	6.37	6.86	6.42	6.31
Solids, Total Dissolved TDS @ 180 C	mg/L	6370	6280	5910	6320
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.06	0.05	0.06	0.06
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	6.60	5.32	6.59	7.03
Molybdenum	mg/L	0.2	0.2	0.2	0.2
Nickel	mg/L	0.14	0.11	0.15	0.14
Uranium	mg/L	0.0154	0.0141	0.0132	0.0137
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.84	0.53	0.42	0.30
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	5.9	7.2	5.7	5.3
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.7	0.9	1.0	1.4
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	4.2	5.3	4.9	4.5
Radium 226 precision (±)	pCi/L	0.6	0.9	0.8	0.9
Radium 228	pCi/L	7.1	5.8	3.8	5.6
Radium 228 precision (±)	pCi/L	1.1	1.5	0.8	0.9
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	0.504	2.73	3.24	2.22
Anions	meq/L	94.7	75.2	89.6	90.7
Cations	meq/L	95.7	79.5	95.7	94.9
Solids, Total Dissolved Calculated	mg/L	5940	4770	5710	5740
TDS Balance (0.80 - 1.20)	dec. %	1.07	1.29	1.04	1.10
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	NA
Chloroform	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(1.0)

\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07010804-003  
 Client Sample ID: 717

Report Date: 02/23/07  
 Collection Date: 01/16/07 10:27  
 Date Received: 01/22/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO3	146	mg/L		1		A2320 B	01/23/07 09:04 / jaj
Calcium	646	mg/L	D	0.6		E200.7	01/26/07 13:09 / ts
Chloride	79	mg/L		1		E200.7	01/29/07 18:42 / ts
Magnesium	402	mg/L	D	0.5		E200.7	01/26/07 13:09 / ts
Nitrogen, Ammonia as N	47.2	mg/L	D	0.4		A4500-NH3 G	01/25/07 14:30 / ljl
Nitrogen, Nitrate+Nitrite as N	29.1	mg/L	D	0.3		E353.2	01/24/07 12:19 / ljl
Potassium	19.1	mg/L		0.5		E200.7	01/26/07 13:06 / ts
Sodium	163	mg/L		0.5		E200.7	01/26/07 13:06 / ts
Sulfate	3270	mg/L	D	8		E200.7	01/26/07 13:09 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.65	s.u.		0.01		A4500-H B	01/23/07 08:15 / lm
Solids, Total Dissolved TDS @ 180 C	5410	mg/L		10		A2540 C	01/23/07 08:59 / lm
<b>METALS - TOTAL</b>							
Aluminum	0.9	mg/L		0.1		E200.8	01/23/07 20:03 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/24/07 22:16 / bws
Cadmium	ND	mg/L		0.005		E200.8	01/23/07 20:03 / bws
Cobalt	0.30	mg/L		0.01		E200.8	01/23/07 20:03 / bws
Lead	ND	mg/L		0.05		E200.8	01/23/07 20:03 / bws
Manganese	19.1	mg/L		0.01		E200.8	01/24/07 22:16 / bws
Molybdenum	ND	mg/L		0.1		E200.8	01/23/07 20:03 / bws
Nickel	0.27	mg/L		0.05		E200.8	01/23/07 20:03 / bws
Uranium	0.0105	mg/L		0.0003		E200.8	01/24/07 22:16 / bws
Vanadium	ND	mg/L		0.1		E200.8	01/23/07 20:03 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	02/09/07 13:44 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	02/10/07 15:43 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	23.3	pCi/L		1.0		E900.1	01/29/07 15:05 / res
Gross Alpha minus Rn & U Precision (±)	1.6	pCi/L				E900.1	01/29/07 15:05 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/24/07 12:00 / plj
Radium 226	18.3	pCi/L		0.2		E903.0	02/06/07 11:20 / trs
Radium 226 precision (±)	1.7	pCi/L				E903.0	02/06/07 11:20 / trs
Radium 228	21.7	pCi/L		1.0		RA-05	02/01/07 14:03 / plj
Radium 228 precision (±)	1.8	pCi/L				RA-05	02/01/07 14:03 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/26/07 15:00 / dmf

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07010804-003  
 Client Sample ID: 717

Report Date: 02/23/07  
 Collection Date: 01/16/07 10:27  
 Date Received: 01/22/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	1.97	%				Calculation	01/31/07 16:13 / cp
Anions	74.7	meq/L				Calculation	01/31/07 16:13 / cp
Cations	77.7	meq/L				Calculation	01/31/07 16:13 / cp
Solids, Total Dissolved Calculated	4800	mg/L				Calculation	01/31/07 16:13 / cp
TDS Balance (0.80 - 1.20)	1.13	dec. %				Calculation	01/31/07 16:13 / cp
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/23/07 23:42 / dkh
Bromoform	ND	ug/L		0.50		E624	01/23/07 23:42 / dkh
Chlorodibromomethane	ND	ug/L		0.50		E624	01/23/07 23:42 / dkh
Chloroform	ND	ug/L		0.50		E624	01/23/07 23:42 / dkh
Trihalomethanes, Total	ND	ug/L		0.50		E624	01/23/07 23:42 / dkh
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC			80-120	E624	01/23/07 23:42 / dkh
Surr: Dibromofluoromethane	111	%REC			80-120	E624	01/23/07 23:42 / dkh
Surr: p-Bromofluorobenzene	102	%REC			80-120	E624	01/23/07 23:42 / dkh
Surr: Toluene-d8	102	%REC			80-120	E624	01/23/07 23:42 / dkh

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.





LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07040669-003  
 Client Sample ID: 717

Report Date: 05/22/07  
 Collection Date: 04/10/07 14:59  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	176	mg/L		1		A2320 B	04/16/07 12:49 / jaj
Calcium	665	mg/L	D	1		E200.7	04/19/07 17:59 / ts
Chloride	80	mg/L		1		E200.7	04/19/07 17:46 / ts
Magnesium	427	mg/L	D	1		E200.7	04/19/07 17:59 / ts
Nitrogen, Ammonia as N	56.0	mg/L	D	0.4		A4500-NH3 G	04/17/07 12:33 / jal
Nitrogen, Nitrate+Nitrite as N	29.1	mg/L	D	0.3		E353.2	04/16/07 15:12 / ljl
Potassium	20.4	mg/L		0.5		E200.7	04/19/07 17:46 / ts
Sodium	169	mg/L		0.5		E200.7	04/19/07 17:46 / ts
Sulfate	3410	mg/L	D	2		E200.7	04/19/07 17:59 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	6.16	s.u.		0.01		A4500-H B	04/16/07 10:20 / bas
Solids, Total Dissolved TDS @ 180 C	5110	mg/L		10		A2540 C	04/16/07 12:46 / bas
<b>METALS - TOTAL</b>							
Aluminum	1.3	mg/L		0.1		E200.8	04/20/07 01:01 / sml
Beryllium	ND	mg/L		0.01		E200.8	04/18/07 02:30 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/17/07 00:01 / sml
Cobalt	0.36	mg/L		0.01		E200.8	04/17/07 00:01 / sml
Lead	ND	mg/L		0.05		E200.8	04/17/07 00:01 / sml
Manganese	16.8	mg/L		0.01		E200.8	04/18/07 02:30 / sml
Molybdenum	ND	mg/L		0.1		E200.8	04/17/07 00:01 / sml
Nickel	0.26	mg/L		0.05		E200.8	04/17/07 00:01 / sml
Uranium	0.0063	mg/L		0.0003		E200.8	04/18/07 02:30 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/17/07 00:01 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	04/26/07 13:24 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	04/25/07 16:11 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	30.6	pCi/L		1.0		E900.1	04/20/07 14:45 / res
Gross Alpha minus Rn & U Precision (±)	1.9	pCi/L				E900.1	04/20/07 14:45 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/18/07 12:00 / plj
Radium 226	19.6	pCi/L		0.2		E903.0	04/30/07 13:06 / trs
Radium 226 precision (±)	1.9	pCi/L				E903.0	04/30/07 13:06 / trs
Radium 228	25.9	pCi/L		1.0		RA-05	04/25/07 10:08 / plj
Radium 228 precision (±)	2.0	pCi/L				RA-05	04/25/07 10:08 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	04/23/07 15:00 / dmf

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07040669-003  
 Client Sample ID: 717

Report Date: 05/22/07  
 Collection Date: 04/10/07 14:59  
 Date Received: 04/13/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	2.10	%				Calculation	04/20/07 14:21 / bws
Anions	78.2	meq/L				Calculation	04/20/07 14:21 / bws
Cations	81.5	meq/L				Calculation	04/20/07 14:21 / bws
Solids, Total Dissolved Calculated	5010	mg/L				Calculation	04/20/07 14:21 / bws
TDS Balance (0.80 - 1.20)	1.02	dec. %				Calculation	04/20/07 14:21 / bws
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/21/07 05:17 / dkh
Bromoform	ND	ug/L		0.50		E624	04/21/07 05:17 / dkh
Chlorodibromomethane	ND	ug/L		0.50		E624	04/21/07 05:17 / dkh
Chloroform	ND	ug/L		0.50		E624	04/21/07 05:17 / dkh
Trihalomethanes, Total	ND	ug/L		0.50		E624	04/21/07 05:17 / dkh
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC			80-120	E624	04/21/07 05:17 / dkh
Surr: Dibromofluoromethane	93.0	%REC			80-120	E624	04/21/07 05:17 / dkh
Surr: p-Bromofluorobenzene	102	%REC			80-120	E624	04/21/07 05:17 / dkh
Surr: Toluene-d8	96.0	%REC			80-120	E624	04/21/07 05:17 / dkh

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



UNC Mining and Milling ChurchRock Operations  
 GroundWater Monitoring Summary: Zone 3 Monitor Wells

Well ID:	717	717	717	717	
Collection Date:	4/10/2007	1/16/2007	10/9/2006	7/24/2006	
Receive Date:	4/13/2007	1/22/2007	10/13/2006	7/28/2006	
Report Date:	5/22/2007	2/22/2007	11/10/2006	8/30/2006	
Analyte	Units	C07040669-003	C07010804-003	C06100704-005	C06071320-005
Bicarbonate as HCO3	mg/L	176	146	189	212
Calcium	mg/L	665	646	622	704
Chloride	mg/L	80	79	74	80
Magnesium	mg/L	427	402	325	450
Nitrogen, Ammonia as N	mg/L	56.0	47.2	60.7	56.4
Nitrogen, Nitrate+Nitrite as N	mg/L	29.1	29.1	26.2	25.4
Potassium	mg/L	20.4	19.1	20.2	21.9
Sodium	mg/L	169	163	172	181
Sulfate	mg/L	3410	3270	3040	3540
pH	s.u.	6.16	6.65	6.27	6.44
Solids, Total Dissolved TDS @ 180 C	mg/L	5110	5410	5230	5260
Aluminum	mg/L	1.3	0.9	0.2	1.3
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.36	0.30	0.42	0.42
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	16.8	19.1	18.3	19.8
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.26	0.27	0.29	0.26
Uranium	mg/L	0.0063	0.0105	0.0102	0.0120
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	0.001	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	31	23.3	19.0	20.7
Gross Alpha minus Rn & U Precision (±)	pCi/L	2	1.6	1.8	2.7
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	19.6	18.3	20.5	17.7
Radium 226 precision (±)	pCi/L	1.9	1.7	1.6	1.3
Radium 228	pCi/L	25.9	21.7	26.1	22.4
Radium 228 precision (±)	pCi/L	2.0	1.8	1.2	1.2
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)		2.10	1.97	0.801	3.01
Anions		78.2	74.7	70.3	81.2
Cations		81.5	77.7	71.5	86.2
Solids, Total Dissolved Calculated		5010	4800	4480	5210
TDS Balance (0.80 - 1.20)		1.02	1.13	1.17	1.01
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	NA
Chloroform	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(1.0)

\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07010804-002  
 Client Sample ID: 719

Report Date: 02/23/07  
 Collection Date: 01/15/07 11:08  
 Date Received: 01/22/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	ND	mg/L		1		A2320 B	01/23/07 09:01 / jaj
Calcium	507	mg/L	D	0.6		E200.7	01/23/07 16:14 / ts
Chloride	28	mg/L		1		E200.7	01/23/07 16:11 / ts
Magnesium	369	mg/L	D	0.5		E200.7	01/23/07 16:14 / ts
Nitrogen, Ammonia as N	0.73	mg/L		0.05		A4500-NH3 G	01/25/07 14:22 / ljl
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	01/24/07 12:17 / ljl
Potassium	9.4	mg/L		0.5		E200.7	01/23/07 16:11 / ts
Sodium	113	mg/L		0.5		E200.7	01/23/07 16:11 / ts
Sulfate	2850	mg/L	D	8		E200.7	01/23/07 16:14 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	5.25	s.u.	H	0.01		A4500-H B	01/23/07 08:15 / lm
Solids, Total Dissolved TDS @ 180 C	4080	mg/L	H	10		A2540 C	01/23/07 08:59 / lm
<b>METALS - TOTAL</b>							
Aluminum	1.2	mg/L		0.1		E200.8	01/23/07 19:55 / bws
Beryllium	ND	mg/L		0.01		E200.8	01/24/07 22:09 / bws
Cadmium	ND	mg/L		0.005		E200.8	01/23/07 19:55 / bws
Cobalt	0.12	mg/L		0.01		E200.8	01/23/07 19:55 / bws
Lead	ND	mg/L		0.05		E200.8	01/23/07 19:55 / bws
Manganese	3.70	mg/L		0.01		E200.8	01/23/07 19:55 / bws
Molybdenum	ND	mg/L		0.1		E200.8	01/23/07 19:55 / bws
Nickel	0.16	mg/L		0.05		E200.8	01/23/07 19:55 / bws
Uranium	0.0074	mg/L		0.0003		E200.8	01/24/07 22:09 / bws
Vanadium	ND	mg/L		0.1		E200.8	01/23/07 19:55 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	02/09/07 13:42 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	02/10/07 15:41 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	3.5	pCi/L		1.0		E900.1	01/29/07 15:05 / res
Gross Alpha minus Rn & U Precision (±)	0.7	pCi/L				E900.1	01/29/07 15:05 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/24/07 12:00 / plj
Radium 226	2.0	pCi/L		0.2		E903.0	02/06/07 11:20 / trs
Radium 226 precision (±)	0.6	pCi/L				E903.0	02/06/07 11:20 / trs
Radium 228	4.8	pCi/L		1.0		RA-05	02/01/07 14:03 / plj
Radium 228 precision (±)	1.5	pCi/L				RA-05	02/01/07 14:03 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/26/07 15:00 / dmf

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.  
 H - Analysis performed past recommended holding time.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07010804-002  
 Client Sample ID: 719

Report Date: 02/23/07  
 Collection Date: 01/15/07 11:08  
 Date Received: 01/22/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	0.851	%				Calculation	01/29/07 12:38 / cp
Anions	60.2	meq/L				Calculation	01/29/07 12:38 / cp
Cations	61.2	meq/L				Calculation	01/29/07 12:38 / cp
Solids, Total Dissolved Calculated	3880	mg/L				Calculation	01/29/07 12:38 / cp
TDS Balance (0.80 - 1.20)	1.05	dec. %				Calculation	01/29/07 12:38 / cp
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	01/23/07 21:44 / dkh
Bromoform	ND	ug/L		0.50		E624	01/23/07 21:44 / dkh
Chlorodibromomethane	ND	ug/L		0.50		E624	01/23/07 21:44 / dkh
Chloroform	ND	ug/L		0.50		E624	01/23/07 21:44 / dkh
Trihalomethanes, Total	ND	ug/L		0.50		E624	01/23/07 21:44 / dkh
Surr: 1,2-Dichlorobenzene-d4	97.0	%REC			80-120	E624	01/23/07 21:44 / dkh
Surr: Dibromofluoromethane	113	%REC			80-120	E624	01/23/07 21:44 / dkh
Surr: p-Bromofluorobenzene	103	%REC			80-120	E624	01/23/07 21:44 / dkh
Surr: Toluene-d8	102	%REC			80-120	E624	01/23/07 21:44 / dkh

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



### LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07040987-005  
 Client Sample ID: 719

Report Date: 06/07/07  
 Collection Date: 04/17/07 11:41  
 Date Received: 04/20/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	7	mg/L		1		A2320 B	04/23/07 09:02 / jaj
Calcium	504	mg/L	D	1		E200.7	04/26/07 11:43 / ts
Chloride	28	mg/L		1		E200.7	04/26/07 11:39 / ts
Magnesium	381	mg/L	D	1		E200.7	04/26/07 11:43 / ts
Nitrogen, Ammonia as N	0.81	mg/L		0.05		A4500-NH3 G	04/24/07 13:12 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/23/07 14:11 / jal
Potassium	9.4	mg/L		0.5		E200.7	04/26/07 11:39 / ts
Sodium	110	mg/L		0.5		E200.7	04/26/07 11:39 / ts
Sulfate	2900	mg/L	D	2		E200.7	04/26/07 11:43 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	5.08	s.u.		0.01		A4500-H B	04/23/07 10:00 / bas
Solids, Total Dissolved TDS @ 180 C	4220	mg/L		10		A2540 C	04/23/07 15:52 / bas
<b>METALS - TOTAL</b>							
Aluminum	ND	mg/L		0.1		E200.7	04/26/07 11:39 / ts
Beryllium	ND	mg/L		0.01		E200.8	04/26/07 02:30 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/26/07 02:30 / sml
Cobalt	0.11	mg/L		0.01		E200.8	04/26/07 02:30 / sml
Lead	ND	mg/L		0.05		E200.8	04/26/07 02:30 / sml
Manganese	3.42	mg/L		0.01		E200.8	04/26/07 02:30 / sml
Molybdenum	ND	mg/L		0.1		E200.8	04/26/07 02:30 / sml
Nickel	0.14	mg/L		0.05		E200.8	04/26/07 02:30 / sml
Uranium	0.0013	mg/L		0.0003		E200.8	04/26/07 02:30 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/26/07 02:30 / sml
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	05/05/07 12:24 / kes
Selenium-IV	ND	mg/L		0.001		A3114 B	05/01/07 16:30 / kes
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	3.2	pCi/L		1.0		E900.1	05/11/07 12:59 / res
Gross Alpha minus Rn & U Precision (±)	0.6	pCi/L				E900.1	05/11/07 12:59 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/25/07 12:30 / plj
Radium 226	2.8	pCi/L		0.2		E903.0	05/08/07 13:28 / trs
Radium 226 precision (±)	0.5	pCi/L				E903.0	05/08/07 13:28 / trs
Radium 228	9.7	pCi/L		1.0		RA-05	05/03/07 10:35 / plj
Radium 228 precision (±)	1.1	pCi/L				RA-05	05/03/07 10:35 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	05/01/07 15:00 / dmf

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

D - RL increased due to sample matrix interference.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp  
 Project: Zone 3  
 Lab ID: C07040987-005  
 Client Sample ID: 719

Report Date: 06/07/07  
 Collection Date: 04/17/07 11:41  
 Date Received: 04/20/07  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	0.441	%				Calculation	04/27/07 12:35 / bws
Anions	61.3	meq/L				Calculation	04/27/07 12:35 / bws
Cations	61.9	meq/L				Calculation	04/27/07 12:35 / bws
Solids, Total Dissolved Calculated	3940	mg/L				Calculation	04/27/07 12:35 / bws
TDS Balance (0.80 - 1.20)	1.07	dec. %				Calculation	04/27/07 12:35 / bws
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Bromodichloromethane	ND	ug/L		0.50		E624	04/24/07 01:36 / jlr
Bromoform	ND	ug/L		0.50		E624	04/24/07 01:36 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/24/07 01:36 / jlr
Chloroform	ND	ug/L		0.50		E624	04/24/07 01:36 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	04/24/07 01:36 / jlr
Surr: 1,2-Dichlorobenzene-d4	103	%REC			80-120	E624	04/24/07 01:36 / jlr
Surr: Dibromofluoromethane	108	%REC			80-120	E624	04/24/07 01:36 / jlr
Surr: p-Bromofluorobenzene	94.0	%REC			80-120	E624	04/24/07 01:36 / jlr
Surr: Toluene-d8	100	%REC			80-120	E624	04/24/07 01:36 / jlr

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



**UNC Mining and Milling ChurchRock Operations  
 GroundWater Monitoring Summary: Zone 3 Monitor Wells**

Well ID:	719	719	719	719
Collection Date:	4/17/2007	1/15/2007	10/9/2006	7/24/2006
Receive Date:	4/20/2007	1/22/2007	10/13/2006	7/28/2006
Report Date:	6/7/2007	2/22/2007	11/10/2006	8/30/2006

Analyte	Units	C07040987-005	C07010804-002	C06100704-003	C06071320-003
Bicarbonate as HCO3	mg/L	7	ND(1)	ND(1)	ND(1)
Calcium	mg/L	504	507	519	527
Chloride	mg/L	28	28	26	28
Magnesium	mg/L	381	369	379	381
Nitrogen, Ammonia as N	mg/L	0.81	0.73	1.05	1.08
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Potassium	mg/L	9.4	9.4	9.9	10.2
Sodium	mg/L	110	113	119	128
Sulfate	mg/L	2900	2850	2790	2930
pH	s.u.	5.08	5.25	4.22	4.13
Solids, Total Dissolved TDS @ 180 C	mg/L	4220	4080	4090	4050
Aluminum	mg/L	ND(0.1)	1.2	2.3	2.6
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.11	0.12	0.16	0.16
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	3.42	3.70	4.08	4.06
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.14	0.16	0.18	0.18
Uranium	mg/L	0.0013	0.0074	0.0162	0.0220
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	3.2	3.5	2.5	2.4
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.6	0.7	0.7	1.0
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	2.8	2.0	3.1	2.5
Radium 226 precision (±)	pCi/L	0.5	0.6	0.7	0.6
Radium 228	pCi/L	9.7	4.8	4.2	5.1
Radium 228 precision (±)	pCi/L	1.1	1.5	0.8	0.8
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)	%	0.441	0.851	3.61	1.88
Anions	meq/L	61.3	60.2	58.8	61.8
Cations	meq/L	61.9	61.2	63.2	64.1
Solids, Total Dissolved Calculated	mg/L	3940	3880	3850	4000
TDS Balance (0.80 - 1.20)	dec. %	1.07	1.05	1.06	1.01
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	NA
Chloroform	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(1.0)

**\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.**



ADDENDUM TO THE SECOND HALF  
SEMI-ANNUAL GROUND WATER MONITORING REPORT  
DURING JULY OF 2006

ZONE - 3

\*517 (Revised Lab Report dated 6/8/07 for the 7/24/06 sample)

\*POINT OF COMPLIANCE WELL



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corporation  
 Project: Zone 3  
 Lab ID: C06071320-010  
 Client Sample ID: 517

Revised Date: 06/08/07  
 Report Date: 08/31/06  
 Collection Date: 07/24/06 14:36  
 Date Received: 07/28/06  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Bicarbonate as HCO <sub>3</sub>	ND	mg/L		1		A2320 B	08/02/06 08:38 / tlh
Calcium	492	mg/L	D	0.6		E200.7	08/02/06 18:46 / ts
Chloride	43	mg/L		1		E200.7	08/02/06 18:43 / ts
Magnesium	446	mg/L	D	0.5		E200.7	08/02/06 18:46 / ts
Nitrogen, Ammonia as N	10.2	mg/L	D	0.1		A4500-NH <sub>3</sub> G	07/31/06 12:11 / jal
Nitrogen, Nitrate+Nitrite as N	0.1	mg/L		0.1		E353.2	08/03/06 12:42 / jal
Potassium	10.2	mg/L		0.5		E200.7	08/02/06 18:43 / ts
Sodium	141	mg/L		0.5		E200.7	08/02/06 18:43 / ts
Sulfate	3250	mg/L	D	8		E200.7	08/02/06 18:46 / ts
<b>PHYSICAL PROPERTIES</b>							
pH	3.58	s.u.		0.01		A4500-H B	08/02/06 11:02 / kes
Solids, Total Dissolved TDS @ 180 C	4740	mg/L		10		A2540 C	08/02/06 14:23 / kes
<b>METALS - TOTAL</b>							
Aluminum	4.1	mg/L		0.1		E200.8	08/01/06 20:27 / bws
Beryllium	ND	mg/L		0.01		E200.8	08/01/06 20:27 / bws
Cadmium	0.006	mg/L		0.005		E200.8	08/01/06 00:28 / bws
Cobalt	0.77	mg/L		0.01		E200.8	08/01/06 20:27 / bws
Lead	ND	mg/L		0.05		E200.8	08/01/06 00:28 / bws
Manganese	8.14	mg/L		0.01		E200.8	08/01/06 20:27 / bws
Molybdenum	ND	mg/L		0.1		E200.8	08/01/06 20:27 / bws
Nickel	0.66	mg/L		0.05		E200.8	08/01/06 00:28 / bws
Uranium	0.0441	mg/L		0.0003		E200.8	08/01/06 00:28 / bws
Vanadium	ND	mg/L		0.1		E200.8	08/01/06 00:28 / bws
<b>METALS - SPECIATED</b>							
Arsenic-III	ND	mg/L		0.001		A3114 B	08/09/06 12:14 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	08/14/06 13:13 / sml
<b>RADIONUCLIDES - TOTAL</b>							
Gross Alpha minus Rn & U	9.2	pCi/L		1.0		E900.1	08/14/06 00:19 / res
Gross Alpha minus Rn & U Precision (±)	1.8	pCi/L				E900.1	08/14/06 00:19 / res
Lead 210	ND	pCi/L		1.0		NERHL-65-4	08/11/06 15:30 / dmf
Radium 226	6.7	pCi/L		0.2		E903.0	08/21/06 14:35 / trs
Radium 226 precision (±)	0.9	pCi/L				E903.0	08/21/06 14:35 / trs
Radium 228	13.1	pCi/L		1.0		RA-05	08/16/06 13:18 / plj
Radium 228 precision (±)	1.0	pCi/L				RA-05	08/16/06 13:18 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	08/17/06 10:30 / dmf

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corporation  
 Project: Zone 3  
 Lab ID: C06071320-010  
 Client Sample ID: 517

Revised Date: 06/08/07  
 Report Date: 08/31/06  
 Collection Date: 07/24/06 14:36  
 Date Received: 07/28/06  
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>DATA QUALITY</b>							
A/C Balance (± 5)	2.48	%				Calculation	08/07/06 11:17 / cp
Anions	68.9	meq/L				Calculation	08/07/06 11:17 / cp
Cations	72.4	meq/L				Calculation	08/07/06 11:17 / cp
Solids, Total Dissolved Calculated	4390	mg/L				Calculation	08/07/06 11:17 / cp
TDS Balance (0.80 - 1.20)	1.08	dec. %				Calculation	08/07/06 11:17 / cp
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Chloroform	5.8	ug/L		1.0		E624	07/31/06 23:37 / jlr
Surr: 1,2-Dichlorobenzene-d4	102	%REC			80-120	E624	07/31/06 23:37 / jlr
Surr: Dibromofluoromethane	110	%REC			80-120	E624	07/31/06 23:37 / jlr
Surr: p-Bromofluorobenzene	102	%REC			80-120	E624	07/31/06 23:37 / jlr
Surr: Toluene-d8	102	%REC			80-120	E624	07/31/06 23:37 / jlr

Report RL - Analyte reporting limit.  
 Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



UNC Mining and Milling ChurchRock Operations  
 GroundWater Monitoring Summary: Zone 3 Monitor Wells

Well ID:	517	517	517	517
Collection Date:	7/24/2006	4/10/2006	1/16/2006	10/10/2005
Receive Date:	7/28/2006	4/14/2006	1/20/2006	10/14/2005
Report Date:	8/30/2006	5/16/2006	2/27/2006	11/4/2005

Analyte	Units	C06071320-010	C06040639-007	C06010925-004	C05100641-007
Bicarbonate as HCO3	mg/L	ND(1)	ND(1)	ND(1)	ND(1)
Calcium	mg/L	492	482	454	502
Chloride	mg/L	43	43	45	46
Magnesium	mg/L	446	446	431	467
Nitrogen, Ammonia as N	mg/L	10.2	10.4	11.3	8.6
Nitrogen, Nitrate+Nitrite as N	mg/L	0.1	0.2	0.3	0.4
Potassium	mg/L	10.2	10	9.9	10
Sodium	mg/L	141	152	142	146
Sulfate	mg/L	3250	3240	3100	3260
pH	s.u.	3.58	4.08	4.12	3.86
Solids, Total Dissolved TDS @ 180 C	mg/L	4740	4910	4790	4880
Aluminum	mg/L	4.1	4.8	4.4	4.8
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	0.006	0.007	0.007	0.007
Cobalt	mg/L	0.77	0.74	0.70	0.78
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	8.14	7.75	7.26	7.49
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.66	0.70	0.69	0.68
Uranium	mg/L	0.0441	0.0466	0.0528	0.0447
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	9.2	8.5	10.4	16.7
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.8	2.4	2.0	2.5
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	6.7	5.9	7.8	10.3
Radium 226 precision (±)	pCi/L	0.9	0.8	0.9	1.1
Radium 228	pCi/L	13.1	11.8	10.5	12.2
Radium 228 precision (±)	pCi/L	1.0	1.0	1.4	1.5
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)		2.48	2.62	2.22	3.64
Anions		68.9	68.6	65.9	69.3
Cations		72.4	72.3	68.8	74.5
Solids, Total Dissolved Calculated		4390	4390	4210	4460
TDS Balance (0.80 - 1.20)		1.08	1.12	1.14	1.09
Chloroform	ug/L	5.8	4.8	5.3	3.4

\*\*Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.



Date: 08-Jun-07

CLIENT: United Nuclear Corporation  
Project: Zone 3  
Sample Delivery Group: C06071320

## CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

### REVISED/SUPPLEMENTAL REPORT

The attached analytical report has been revised from a previously submitted report due to data correction. The Potassium value for sample 010 (Well 517) was originally reported as ND. The correct value is 10.2 mg/L. Energy Laboratories regrets any inconvenience this may have caused.

### BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT  
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID  
eli-g - Energy Laboratories, Inc. - Gillette, WY  
eli-h - Energy Laboratories, Inc. - Helena, MT  
eli-r - Energy Laboratories, Inc. - Rapid City, SD  
eli-t - Energy Laboratories, Inc. - College Station, TX

### ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package. A copy of the submittal(s) has been included and tracked in the data package.

### SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

### SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by NELAC. Some client specific reporting requirements may not require NELAC reporting protocol. NELAC Certification Number E87641.

### PCB ANALYSIS USING EPA 505

Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page [www.energylab.com](http://www.energylab.com).

The total number of pages of this report are indicated by the page number located in the lower right corner.

**SEMI-ANNUAL**  
**EFFLUENT AND ENVIRONMENTAL MONITORING REPORT**  
**JANUARY TO JUNE OF 2007**

**AVAILABLE MONITORING DATA**

- **Environmental Inspection Report (continued this procedure to show and maintain the integrity of the tailings area).**
- **Ground Water Result (GW-3 well reported in accordance to Regulatory Guide 4.14 format).**

ENVIRONMENTAL INSPECTION

DATE: 1-31-07

TIME START: 0900

INSPECTOR: Maol Chinnelly J.

TIME END: 1005

<u>TAILINGS AREA:</u>	<u>OKAY</u>	<u>PROBLEM</u>	<u>COMMENTS</u>
1. Fences	<u>✓</u>	<u>          </u>	<u>          </u>
2. Air Monitors	<u>— NA —</u>	<u>          </u>	<u>Under RWP if needed</u>
3. Radiation Warning Signs	<u>✓</u>	<u>          </u>	<u>          </u>
4. Locked Gates	<u>✓</u>	<u>          </u>	<u>          </u>

ACTION TAKEN: \_\_\_\_\_  
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ENVIRONMENTAL INSPECTION

DATE: 2-27-07

TIME START: 0845

INSPECTOR: Map Chisnelly J.

TIME END: 0950

<u>TAILINGS AREA:</u>	<u>OKAY</u>	<u>PROBLEM</u>	<u>COMMENTS</u>
1. Fences	<u>✓</u>	<u>_____</u>	<u>_____</u>
2. Air Monitors	<u>— NA —</u>	<u>_____</u>	<u>Under RWP</u>
3. Radiation Warning Signs	<u>✓</u>	<u>_____</u>	<u>_____</u>
4. Locked Gates	<u>✓</u>	<u>_____</u>	<u>_____</u>

ACTION TAKEN: \_\_\_\_\_  
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ENVIRONMENTAL INSPECTION

DATE: 3-26-07

TIME START: 1415

INSPECTOR: Way Chubbly J.

TIME END: 1527

<u>TAILINGS AREA:</u>	<u>OKAY</u>	<u>PROBLEM</u>	<u>COMMENTS</u>
1. Fences	✓		
2. Air Monitors	—	NA —	UNDER RWP
3. Radiation Warning Signs	✓		
4. Locked Gates	✓		

ACTION TAKEN: \_\_\_\_\_  
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ENVIRONMENTAL INSPECTION

DATE: 4-25-07

TIME START: 1345

INSPECTOR: Waf Choibilly J.

TIME END: 1510

<u>TAILINGS AREA:</u>	<u>OKAY</u>	<u>PROBLEM</u>	<u>COMMENTS</u>
1. Fences	<u>✓</u>	<u>_____</u>	<u>_____</u>
2. Air Monitors	<u>- NA</u>	<u>-</u>	<u>UNDER RWP</u>
3. Radiation Warning Signs	<u>✓</u>	<u>_____</u>	<u>_____</u>
4. Locked Gates	<u>✓</u>	<u>_____</u>	<u>_____</u>

ACTION TAKEN: \_\_\_\_\_  
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ENVIRONMENTAL INSPECTION

DATE: 5-21-07

TIME START: 0945

INSPECTOR: Max Chiselli

TIME END: 1050

TAILINGS AREA:

	<u>OKAY</u>	<u>PROBLEM</u>	<u>COMMENTS</u>
1. Fences	<u>✓</u>	<u>_____</u>	<u>_____</u>
2. Air Monitors	<u>- NA -</u>	<u>_____</u>	<u>UNDER RWP</u>
3. Radiation Warning Signs	<u>✓</u>	<u>_____</u>	<u>_____</u>
4. Locked Gates	<u>✓</u>	<u>_____</u>	<u>_____</u>

ACTION TAKEN: \_\_\_\_\_

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ENVIRONMENTAL INSPECTION

DATE: 6-14-07

TIME START: 1030

INSPECTOR: May Chesilley Jr.

TIME END: 1138

<u>TAILINGS AREA:</u>	<u>OKAY</u>	<u>PROBLEM</u>	<u>COMMENTS</u>
1. Fences	<u>✓</u>	<u>      </u>	<u>      </u>
2. Air Monitors	<u>—</u>	<u>NA —</u>	<u>Only under an RWP</u>
3. Radiation Warning Signs	<u>✓</u>	<u>      </u>	<u>      </u>
4. Locked Gates	<u>✓</u>	<u>      </u>	<u>      </u>

ACTION TAKEN: \_\_\_\_\_  
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**GROUNDWATER RESULTS**

**QUARTERLY LIQUID SAMPLES**

<u>Date/Qr.</u>	<u>Location</u>	<u>Type</u>	<u>Radionuclide</u>	<u>Concentration</u>		<u>Error Est.</u>	<u>LLD</u>
				<u>Mg/l</u>	<u>µci/ml</u>		
<u>01/09/07</u>	<u>GW-3</u>	<u>GROUND</u>	U-Nat (dissolved) or total		<u>7.58E-08</u>		<u>2.00E-10</u>
<u>1st-Qr.</u>		<u>WATER WELL</u>					
			Th-230 (dissolved) or total		<u>2.00E-10</u>		<u>2.00E-10</u>
			Ra-266 (dissolved) or total		<u>2.00E-10</u>		<u>2.00E-10</u>
UNC Field Data:	PH (STD. Units) = <b>6.58</b> Cond. (µ MHOS) = <b>3,960</b> Water Depth (Ft.) = <b>51.22</b> Temp. (°C) = <b>14.0</b>						
			Pb-210 (dissolved) or total		<u>1.00E-09</u>		<u>1.00E-09</u>
			Po-210 (dissolved) or total				<u>1.00E-09</u>

COMMENTS:

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QUARTERLY LIQUID SAMPLES

<u>Date/Qr.</u>	<u>Location</u>	<u>Type</u>	<u>Radionuclide</u>	<u>Concentration</u>		<u>Error Est.</u> <u>µci/ml</u>	<u>LLD</u> <u>µci/ml</u>
				<u>Mg/l</u>	<u>µci/ml</u>		
<u>04/10/07</u>	<u>GW-3</u>	<u>GROUND</u>	U-Nat (dissolved) or total		<u>7.65E-08</u>		<u>2.00E-10</u>
<u>2nd-Qr.</u>		<u>WATER WELL</u>	Th-230 (dissolved) or total		<u>2.00E-10</u>		<u>2.00E-10</u>
			Ra-266 (dissolved) or total		<u>2.00E-10</u>		<u>2.00E-10</u>
			Pb-210 (dissolved) or total		<u>1.00E-09</u>		<u>1.00E-09</u>
			Po-210 (dissolved) or total				<u>1.00E-09</u>

UNC Field Data: PH (STD. Units) = **6.68**  
 Cond. (µ MHOS) = **4,030**  
 Water Depth (Ft.) = **51.17**  
 Temp. (°C) = **13.3**

COMMENTS:

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