

UNITED NUCLEAR CORPORATION



P.O. Box 3077
Gallup, New Mexico 87305-3077

Telephone: (505) 722-6651
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CERTIFIED – RETURN RECEIPT REQUEST

February 13, 2006

Mr. Gary Jonosko
U.S. Nuclear Regulatory Commission
Fuel Cycle Safety & Safeguards
Fuel Cycle Licensing Branch
Uranium Recovery Branch
Office of Material Safety & Safeguards
11545 Rockville Pike, # 2 White Flint
Rockville, MD 20852-2738

Re: Semi-Annual Ground Water Monitoring Report

Dear Mr. Jonosko:

In compliance with our Nuclear Regulatory Commission Radioactive Material License No. SUA-1475, Condition 30, the enclosed Semi-Annual Ground Water Monitoring Report during the period of July 01, 2005 through December 31, 2005 is being submitted.

Sincerely,

A handwritten signature in cursive script, reading "Max Chischilly, Jr.".

Max Chischilly, Jr.
Radiation Safety Officer

LB/MC:drb

Enclosure

Cc: Division of Radiation Safety, Region VI
Mark Purcell, USEPA
Mark Jancin, N.A. Water System
Roy Blickwedel, GE
Steve Hill, GE
Robin Brown, NMED
Diana Malone, NNEPA
Bill Von Till, NRC

QUARTERLY SAMPLING
SEMI-ANNUAL GROUND WATER MONITORING REPORT
JULY AND DECEMBER OF 2005
FIELD DATA SHEET OF
THIRD AND FOURTH QUARTER

CONTROLS

SW ALLUVIUM

ZONE - 1

ZONE - 3

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

 JULY MONTH THIRD QUARTER, 2005

SOUTHWEST ALLIVUM

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)
509-D	07-11-05	73.40	6949.5	6876.10	5,770	6.38	14.5
624	07-12-05	49.40	6898.7	6849.30	5,350	6.55	15.7
627	07-12-05	56.85	6892.4	6835.55	5,250	7.01	19.1
632	07-11-05	42.12	6903.6	6861.48	7,130	6.36	16.1
801	07-11-05	48.90	6904.3	6855.40	6,360	6.37	16.3
802	07-11-05	45.20	6907.1	6861.90	7,880	6.43	15.9
803	07-11-05	58.99	6922.6	6863.61	6,500	6.42	15.1
808	07-11-05	46.64	6910.7	6864.06	6,580	6.44	15.4
GW-1	07-11-05	59.54	6916.5	6856.96	6,520	6.56	16.5
GW-2	07-11-05	53.78	6912.9	6859.12	6,540	6.30	16.9
GW-3	07-12-05	50.95	6910.0	6859.05	5,210	6.51	20.4
EPA-23	07-11-05	50.78	6926.5	6875.72	4,410	6.60	15.5
EPA-25	07-12-05	52.00	6903.4	6851.40	4,340	6.86	17.1
EPA-28	07-12-05	61.11	6917.9	6856.79	5,040	6.74	17.3
(QA/QC) 624 DUP.	7-12-05	49.45	6898.7	6849.25	5,410	6.53	15.0
(QA/QC)							
SBL-1	07-12-05	49.96	6896.3	6846.34	7,780	6.84	15.0
805	07-20-05	50.89	6915.6	6864.71			
807	07-20-05	54.95	6923.4	6868.45			

COMMENTS: NEW PROBE/TUBE IS INSTALLED ON 07-15-05 FOR SBL-1 WELL BUBBLER SETUP.

JULY MONTH THIRD QUARTER, 2005

WELL NO.	DEPT REC./ SAMPLE DATE	DEPTH TO WATER (FT.)	REF. ELEV.	TOP OF WATER ELEV.	FIELD COND. (µs/cm)	FIELD pH (units)	FIELD TEMP. (°c)
515-A	07-13-05	101.19	7008.8	6907.61	7,170	5.55	15.9
604	07-13-05	100.00	7006.0	6906.00	6,582	4.94	15.8
614	07-13-05	101.40	7012.0	6910.60	7,070	6.47	15.7
TWQ-142	07-18-05	201.00	6983.4	6782.40	1,561	7.29	17.3
EPA-2	07-19-05	171.60	7019.5	6847.90	2,720	6.49	16.8
EPA-4	07-19-05	203.65	7069.8	6866.15	4,220	6.28	17.9
EPA-5	07-19-05	122.39	7011.5	6889.11	4,480	5.52	19.7
EPA-7	07-19-05	112.04	7011.7	6899.66	6,870	5.68	17.7
(QA/QC)EPA-2DUP.	7-19-05	171.80	7019.5	6847.70	2,760	6.46	16.0
(QA/QC)F.BLANK	7-13-05				22	6.95	30.2
TWQ-143	07-20-05	207.61	6989.6	6781.99			
EPA-8	07-19-05	214.01	7076.4	6862.39			
505-A	07-20-05	116.43	6963.1	6846.67			
502-A	07-20-05	194.13	7025.3	6831.17			
501-A	07-20-05	210.65	7048.0	6837.35			
504-A	07-20-05	201.44	7001.4	6799.96			
412	07-20-05	184.26	6979.4	6795.14			

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

JULY MONTH THIRD QUARTER, 20_05

ZONE 3

<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. (μs/cm)</u>	<u>FIELD pH (units)</u>	<u>FIELD TEMP. (°c)</u>
504-B	07-18-05	161.52	7001.8	6840.28	5,020	5.10	17.8
517	07-12-05	102.30	6971.75	6869.45	4,410	4.46	19.6
EPA-14	07-18-05	111.95	6965.8	6853.85	4,220	5.94	16.6
420	07-18-05	139.72	6982.6	6842.88	3,510	6.18	17.9
711	07-19-05	180.00	7042.75	6862.75	4,400	4.32	16.3
613	07-12-05	78.62	6961.3	6882.68	10,040	3.02	16.9
708	07-19-05	149.64	7012.0	6862.36	4,810	3.63	17.1
(QA/QC) 711 DUP.	7-19-05	180.59	7042.75	6862.16	4,410	4.55	16.0
(QA/QC) F. BLANK	7-19-05				20	7.48	41.4
NBL-1	07-18-05	172.83	6988.9	6816.07	3,640	5.88	17.4
EPA-9	07-19-05	169.60	7076.6	6907.00			
EPA-13	07-19-05	165.60	7032.9	6867.30	5,140	5.77	16.7
702	07-20-05	81.30	6974.2	6892.90			
710	07-20-05	159.00	7016.5	6857.50			
712	07-20-05	172.10	7022.2	6850.10			
713	07-20-05	164.65	7024.5	6859.85			
714	07-20-05	99.86	6962.9	6863.04			
701	07-20-05	84.35	6961.3	6876.95			
706	07-20-05	112.24	6972.5	6860.26			
707	07-20-05	152.00	7005.2	6853.20			
717	07-18-05	123.00	6972.3	6849.30	4,020	6.00	17.8
719	07-18-05	160.39	7002.0	6841.61	4,050	3.31	18.2
402	07-20-05	117.88	6968.2	6850.32			
446	07-20-05	158.75	6998.3	6839.55			
424	07-20-05	126.20	6973.1	6846.90			

COMMENTS: MOST OF THE SAMPLING WELLS WORN O-RINGS (LOCATED @ THE SURFACE WELL CAP FITTING CONNECTION TO WATER LEVEL METER) ARE REPLACED DURING THIS SAMPLING PERIOD.

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

OCTOBER MONTH FOURTH QUARTER, 20 05

SOUTHWEST ALLIVUM

WELL NO.	DEPT REC./ SAMPLE DATE	DEPTH TO WATER (FT.)	REF. ELEV.	TOP OF WATER ELEV.	FIELD COND. (μ s/cm)	FIELD pH (units)	FIELD TEMP. (°c)
509-D	10-03-05	73.60	6949.5	6875.90	6,100	6.38	12.9
624	10-04-05	49.55	6898.7	6849.15	5,440	6.56	14.2
627	10-04-05	56.74	6892.4	6835.66	5,180	7.00	16.1
632	10-04-05	42.38	6903.6	6861.22	7,040	6.39	14.6
801	10-03-05	49.17	6904.3	6855.13	6,390	6.49	16.3
802	10-03-05	45.43	6907.1	6861.67	8,050	6.44	15.3
803	10-03-05	59.31	6922.6	6863.29	6,590	6.45	14.6
808	10-03-05	46.85	6910.7	6863.85	6,650	6.45	15.4
GW-1	10-04-05	59.86	6916.5	6856.64	6,460	6.63	15.6
GW-2	10-03-05	53.98	6912.9	6858.92	6,670	6.35	16.0
GW-3	10-04-05	51.14	6910.0	6858.86	5,350	6.52	17.2
EPA-23	10-03-05	50.90	6926.5	6875.60	4,450	6.58	14.7
EPA-25	10-04-05	52.03	6903.4	6851.37	4,260	6.86	15.7
EPA-28	10-04-05	61.33	6917.9	6856.57	5,080	6.75	15.9
(QA/QC)624 DUP.	10-4-05	49.56	6898.7	6849.14	5,430	6.55	14.3
(QA/QC)							
SBL-1	10-04-05	49.82	6896.3	6846.48	7,420	6.65	14.7
805	10-12-05	51.17	6915.6	6864.43			
807	10-12-05	55.17	6923.4	6868.23			

COMMENTS:

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

OCTOBER MONTH FOURTH QUARTER, 2005

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. (μs/cm)</u>	<u>FIELD pH (units)</u>	<u>FIELD TEMP. (°c)</u>
515-A	10-05-05	101.20	7008.8	6907.60	7,280	5.53	13.4
604	10-05-05	99.90	7006.0	6906.10	6,510	4.93	13.4
614	10-05-05	101.33	7012.0	6910.67	7,020	6.48	13.8
TWQ-142	10-10-05	200.71	6983.4	6782.69	1,667	7.53	11.3
EPA-2	10-11-05	171.21	7019.5	6848.29	2,870	6.79	13.3
EPA-4	10-11-05	203.78	7069.8	6866.02	4,430	6.65	13.8
EPA-5	10-11-05	122.30	7011.5	6889.20	4,730	5.87	14.0
EPA-7	10-11-05	112.00	7011.7	6899.70	7,210	6.03	13.7
(QA/QC)EPA-2DUP.	10-11-05	171.58	7019.5	6847.92	2,960	6.80	13.2
(QA/QC)F.BLANK	10-05-05				43	6.46	17.9
TWQ-143	10-12-05	207.57	6989.6	6782.03			
EPA-8	10-11-05	213.85	7076.4	6862.55			
505-A	10-12-05	116.53	6963.1	6846.57			
502-A	10-12-05	194.12	7025.3	6831.18			
501-A	10-12-05	210.66	7048.0	6837.34			
504-A	10-12-05	201.34	7001.4	6800.06			
412	10-12-05	184.28	6979.4	6795.12			

COMMENTS:

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

OCTOBER MONTH FOURTH QUARTER, 2005

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	10-10-05	162.16	7001.8	6839.64	5,630	5.45	11.5
517	10-10-05	102.10	6971.75	6869.65	4,460	4.45	12.2
EPA-14	10-10-05	112.60	6965.8	6853.20	4,820	6.33	12.0
420	10-10-05	140.35	6982.6	6842.25	3,880	6.65	11.7
711	10-11-05	179.94	7042.75	6862.81	4,690	4.51	12.0
613	10-05-05	78.50	6961.3	6882.80	10,350	3.02	13.3
708	10-11-05	149.62	7012.0	6862.38	5,160	3.94	12.5
(QA/QC)711 DUP.	10-11-05	180.50	7042.75	6862.25	4,730	4.84	12.2
(QA/QC)F. BLANK	10-11-05				19	7.65	20.9
NBL-1	10-10-05	173.96	6988.9	6814.94	4,030	6.26	10.9
EPA-9	10-11-05	169.45	7076.6	6907.15			
EPA-13	10-11-05	165.67	7032.9	6867.23	5,560	6.06	12.1
702	10-12-05	81.30	6974.2	6892.90			
710	10-12-05	159.17	7016.5	6857.33			
712	10-12-05	172.81	7022.2	6849.39			
713	10-12-05	164.87	7024.5	6859.63			
714	10-12-05	100.12	6962.9	6862.78			
701	10-12-05	84.44	6961.3	6876.86			
706	10-12-05	112.31	6972.5	6860.19			
707	10-12-05	152.28	7005.2	6852.92			
717	10-10-05	123.50	6972.3	6848.80	4,550	6.49	11.5
719	10-10-05	161.05	7002.0	6840.95	4,380	3.73	11.6
402	10-12-05	118.55	6968.2	6849.65			
446	10-12-05	159.30	6998.3	6839.00			
424	10-12-05	126.60	6973.1	6846.50			

COMMENTS:

SOUTHWEST ALLUVIUM

ZONE - 1

[illegible]

QUARTERLY WATER LEVELS
3RD QUARTER 2005

ZONE - 3

WELL NO.	DATE	TIME	DEPTH TO WATER	REFERENCE ELEVATION	TOP OF WATER ELEVATION
420	7-18-05	1407	139.72'	6982.6	6842.88
711	7-19-05	0943	180.00'	7042.75	6862.75
504-B	7-18-05	1115	161.52'	7001.8	6840.28
EPA-9	7-19-05	1517	169.60'	7076.6	6907.00
EPA-13	7-19-05	0900	165.60'	7032.9	6867.30
EPA-14	7-18-05	1514	111.95'	6965.8	6853.85
702	7-20-05	0930	81.30'	6974.2	6892.90
710	7-20-05	1100	159.00'	7016.5	6857.50
712	7-20-05	1050	172.10'	7022.2	6850.10
713	7-20-05	1041	164.65'	7024.5	6859.85
714	7-20-05	1139	99.86'	6962.9	6863.04
613	7-12-05	1447	78.62'	6961.3	6882.68
701	7-20-05	1134	84.35'	6961.3	6876.95
706	7-20-05	1123	112.24'	6972.5	6860.26
707	7-20-05	1055	152.00'	7005.2	6853.20
717	7-18-05	1441	123.00'	6972.3	6849.30
719	7-18-05	1337	160.39'	7002.0	6841.61
402	7-20-05	1147	117.88'	6968.2	6850.32
424	7-20-05	1150	126.20'	6973.1	6846.90
446	7-20-05	1020	158.75'	6998.3	6839.55
517	7-12-05	1520	102.30'	6971.75	6869.45
708	7-19-05	1135	149.64'	7012.0	6862.36
NBL-1	7-18-05	0935	172.83'	6988.9	6816.07

SOUTHWEST ALLUVIUM

4TH QUARTER 2005

ZONE - 1

[illegible]

QUARTERLY WATER LEVELS
4TH QUARTER 2005

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	10-10-05	1330	140.35'	6982.6	6842.25
711	10-11-05	0957	179.94'	7042.75	6862.81
504-B	10-10-05	1043	162.16'	7001.8	6839.64
EPA-9	10-11-05	1413	169.45'	7076.6	6907.15
EPA-13	10-11-05	0915	165.67'	7032.9	6867.23
EPA-14	10-10-05	1433	112.60'	6965.8	6853.20
702	10-12-05	1409	81.30'	6974.2	6892.90
710	10-12-05	1125	159.17'	7016.5	6857.33
712	10-12-05	1112	172.81'	7022.2	6849.39
713	10-12-05	1100	164.87'	7024.5	6859.63
714	10-12-05	1322	100.12'	6962.9	6862.78
613	10-5-05	1055	78.50'	6961.3	6882.80
701	10-12-05	1311	84.44'	6961.3	6876.86
706	10-12-05	1326	112.31'	6972.5	6860.19
707	10-12-05	1123	152.28'	7005.2	6852.92
717	10-10-05	1403	123.50'	6972.3	6848.80
719	10-10-05	1115	161.05'	7002.0	6840.95
402	10-12-05	1331	118.55'	6968.2	6849.65
424	10-12-05	1335	126.60'	6973.1	6846.50
446	10-12-05	1054	159.30'	6998.3	6839.00
517	10-10-05	1505	102.10'	6971.75	6869.65
708	10-11-05	1040	149.62'	7012.0	6862.38
NBL-1	10-10-05	0930	173.96'	6988.9	6814.94

QUARTERLY SAMPLING
SEMI - ANNUAL GROUND WATER MONITORING REPORT
JULY AND OCTOBER OF 2005

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: C05070603-001

Client Sample ID: 509-D

Report Date: 08/12/05

Collection Date: 07/11/05 09:15

Date Received: 07/15/05

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	2330	mg/L		1		A2320 B	07/21/05 10:10 / sl
Calcium	881	mg/L	D	0.6		E200.7	07/21/05 10:57 / ts
Chloride	355	mg/L		1		E200.7	07/21/05 14:53 / ts
Magnesium	360	mg/L	D	0.5		E200.7	07/21/05 10:57 / ts
Nitrogen, Ammonia as N	0.53	mg/L		0.05		A4500-NH3 G	07/21/05 08:37 / jal
Nitrogen, Nitrate+Nitrite as N	15.1	mg/L	D	0.3		E353.2	07/18/05 12:43 / jal
Potassium	12.6	mg/L		0.5		E200.7	07/21/05 10:53 / ts
Sodium	332	mg/L		0.5		E200.7	07/21/05 10:53 / ts
Sulfate	1840	mg/L	D	8		E200.7	07/21/05 10:57 / ts
PHYSICAL PROPERTIES							
pH	7.10	s.u.		0.01		A4500-H B	07/18/05 11:45 / th
Solids, Total Dissolved TDS @ 180 C	5260	mg/L		10		A2540 C	07/18/05 13:10 / th
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	07/19/05 11:04 / bws
Beryllium	ND	mg/L		0.01		E200.8	07/19/05 11:04 / bws
Cadmium	ND	mg/L		0.005		E200.8	07/19/05 11:04 / bws
Cobalt	ND	mg/L		0.01		E200.8	07/19/05 11:04 / bws
Lead	ND	mg/L		0.05		E200.8	07/19/05 11:04 / bws
Manganese	3.03	mg/L		0.01		E200.8	07/19/05 11:04 / bws
Molybdenum	ND	mg/L		0.1		E200.8	07/19/05 11:04 / bws
Nickel	ND	mg/L		0.05		E200.8	07/19/05 11:04 / bws
Uranium	0.209	mg/L		0.0003		E200.8	07/19/05 11:04 / bws
Vanadium	ND	mg/L		0.1		E200.8	07/19/05 11:04 / bws
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	07/18/05 13:24 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	07/19/05 09:27 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	07/22/05 12:40 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	07/21/05 10:30 / ph
Radium 226	0.4	pCi/L		0.2		E903.0	07/19/05 15:00 / df
Radium 226 precision (±)	0.3	pCi/L				E903.0	07/19/05 15:00 / df
Radium 228	ND	pCi/L		1.0		E904.0	07/19/05 15:00 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	07/21/05 10:30 / ph

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: C05070603-001
Client Sample ID: 509-D

Report Date: 08/12/05
Collection Date: 07/11/05 09:15
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	0.562	%				Calculation	07/29/05 14:11 / smd
Anions	87.6	meq/L				Calculation	07/29/05 14:11 / smd
Cations	88.6	meq/L				Calculation	07/29/05 14:11 / smd
Solids, Total Dissolved Calculated	5010	mg/L				Calculation	07/29/05 14:11 / smd
TDS Balance (0.80 - 1.20)	1.05	dec. %				Calculation	07/29/05 14:11 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	07/20/05 13:01 / jlr
Surr: 1,2-Dichlorobenzene-d4	106	%REC			80-120	E624	07/20/05 13:01 / jlr
Surr: Dibromofluoromethane	110	%REC			70-130	E624	07/20/05 13:01 / jlr
Surr: p-Bromofluorobenzene	108	%REC			75-125	E624	07/20/05 13:01 / jlr
Surr: Toluene-d8	100	%REC			80-120	E624	07/20/05 13:01 / 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: C05100333-001
Client Sample ID: 509-D

Report Date: 11/01/05
Collection Date: 10/03/05 09:55
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/ RL QCL	Method	Analysis Date / By
MAJOR IONS						
Bicarbonate as HCO ₃	2250	mg/L		1	A2320 B	10/13/05 17:00 / th
Calcium	875	mg/L	D	0.6	E200.7	10/17/05 14:24 / ts
Chloride	327	mg/L		1	E200.7	10/17/05 15:07 / ts
Magnesium	430	mg/L	D	0.5	E200.7	10/17/05 14:24 / ts
Nitrogen, Ammonia as N	3.93	mg/L		0.05	A4500-NH ₃ G	10/10/05 16:01 / jal
Nitrogen, Nitrate+Nitrite as N	14.9	mg/L	D	0.3	E353.2	10/10/05 11:26 / jal
Potassium	13.7	mg/L		0.5	E200.7	10/17/05 15:07 / ts
Sodium	323	mg/L		0.5	E200.7	10/17/05 15:07 / ts
Sulfate	1890	mg/L	D	8	E200.7	10/17/05 14:24 / ts
PHYSICAL PROPERTIES						
pH	7.01	s.u.		0.01	A4500-H B	10/10/05 16:29 / jc
Solids, Total Dissolved TDS @ 180 C	5460	mg/L		10	A2540 C	10/10/05 13:25 / jc
METALS - TOTAL						
Aluminum	ND	mg/L		0.1	E200.7	10/17/05 15:07 / ts
Beryllium	ND	mg/L		0.01	E200.8	10/20/05 22:27 / sml
Cadmium	ND	mg/L		0.005	E200.8	10/20/05 22:27 / sml
Cobalt	ND	mg/L		0.01	E200.8	10/20/05 22:27 / sml
Lead	ND	mg/L		0.05	E200.8	10/20/05 22:27 / sml
Manganese	2.36	mg/L		0.01	E200.7	10/17/05 15:07 / ts
Molybdenum	ND	mg/L		0.1	E200.7	10/17/05 15:07 / ts
Nickel	ND	mg/L		0.05	E200.8	10/20/05 22:27 / sml
Uranium	0.197	mg/L		0.0003	E200.8	10/20/05 22:27 / sml
Vanadium	ND	mg/L		0.1	E200.8	10/20/05 22:27 / sml
METALS - SPECIATED						
Arsenic-III	ND	mg/L		0.001	A3114 B	10/12/05 11:06 / sl
Selenium-IV	ND	mg/L		0.001	A3114 B	10/12/05 14:25 / sl
RADIONUCLIDES - TOTAL						
Gross Alpha minus Rn & U	ND	pCi/L		1.0	E900.1	10/14/05 13:00 / rs
Lead 210	ND	pCi/L		1.0	NERHL-65-4	10/14/05 10:30 / ph
Radium 226	ND	pCi/L		0.2	E903.0	10/12/05 14:40 / df
Radium 228	1.7	pCi/L		1.0	RA-05	10/12/05 14:40 / pj
Radium 228 precision (±)	0.9	pCi/L			RA-05	10/12/05 14:40 / pj
Thorium 230	ND	pCi/L		0.2	E907.0	10/11/05 10:30 / ph

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: C05100333-001
Client Sample ID: 509-D

Report Date: 11/01/05
Collection Date: 10/03/05 09:55
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	4.06	%				Calculation	10/21/05 16:49 / smd
Anions	86.6	meq/L				Calculation	10/21/05 16:49 / smd
Cations	93.9	meq/L				Calculation	10/21/05 16:49 / smd
Solids, Total Dissolved Calculated	5030	mg/L				Calculation	10/21/05 16:49 / smd
TDS Balance (0.80 - 1.20)	1.09	dec. %				Calculation	10/21/05 16:49 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	10/13/05 18:14 / jlr
Surr: 1,2-Dichlorobenzene-d4	104	%REC			80-120	E624	10/13/05 18:14 / jlr
Surr: Dibromofluoromethane	100	%REC			70-130	E624	10/13/05 18:14 / jlr
Surr: p-Bromofluorobenzene	95.6	%REC			75-125	E624	10/13/05 18:14 / jlr
Surr: Toluene-d8	101	%REC			80-120	E624	10/13/05 18:14 / 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:		509-D	509-D	509-D	509-D	
Collection Date:		10/3/2005	7/11/2005	4/4/2005	1/3/2005	
Receive Date:		10/7/2005	7/15/2005	4/8/2005	1/7/2005	
Report Date:		10/31/2005	8/12/2005	4/29/2005	1/28/2005	
Analyte	Units	C05100333-001	C05070603-001	C05040333-001	C05010240-001	
Bicarbonate as HCO ₃	mg/L	2250	2330	2370	2360	
Calcium	mg/L	875	881	906	925	
Chloride	mg/L	327	355	344	367	
Magnesium	mg/L	430	360	360	335	
Nitrogen, Ammonia as N	mg/L	3.93	0.53	0.47	0.76	
Nitrogen, Nitrate+Nitrite as N	mg/L	14.9	15.1	14.7	17.5	
Potassium	mg/L	13.7	12.6	12.3	12.9	
Sodium	mg/L	323	332	329	311	
Sulfate	mg/L	1890	1840	1810	1610	
pH	s.u.	7.01	7.10	6.87	6.89	
Solids, Total Dissolved TDS @ 180 C	mg/L	5460	5260	6050	5380	
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	2.36	3.03	3.10	3.47	
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	0.197	0.209	0.215	0.231	
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)	1.7	
Gross Alpha minus Rn & U Precision (±)	pCi/L				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	ND(0.2)	0.4	0.9	0.4	
Radium 226 precision (±)	pCi/L		0.3	0.6	0.4	
Radium 228	pCi/L	1.7	ND(1.0)	ND(1.0)	ND(1.0)	
Radium 228 precision (±)	pCi/L	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)		4.06	0.562	1.33	2.40	
Anions		86.6	87.6	87.4	83.7	
Cations		93.9	88.6	89.7	87.8	
Solids, Total Dissolved Calculated		5030	5010	5010	4810	
TDS Balance (0.80 - 1.20)		1.09	1.05	1.20	1.12	
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	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.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C05070603-011
Client Sample ID: 624

Report Date: 08/12/05
Collection Date: 07/12/05 09:36
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	1340	mg/L		1		A2320 B	07/21/05 11:33 / sl
Calcium	673	mg/L	D	0.6		E200.7	07/21/05 12:46 / ts
Chloride	176	mg/L		1		E200.7	07/21/05 12:43 / ts
Magnesium	434	mg/L	D	0.5		E200.7	07/21/05 12:46 / ts
Nitrogen, Ammonia as N	0.09	mg/L		0.05		A4500-NH3 G	07/21/05 09:07 / jal
Nitrogen, Nitrate+Nitrite as N	70	mg/L	D	2		E353.2	07/18/05 13:23 / jal
Potassium	5.9	mg/L		0.5		E200.7	07/21/05 12:43 / ts
Sodium	246	mg/L		0.5		E200.7	07/21/05 12:43 / ts
Sulfate	2100	mg/L	D	8		E200.7	07/21/05 12:46 / ts
PHYSICAL PROPERTIES							
pH	7.29	s.u.		0.01		A4500-H B	07/18/05 12:26 / th
Solids, Total Dissolved TDS @ 180 C	5120	mg/L		10		A2540 C	07/18/05 16:00 / th
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	07/19/05 21:03 / bws
Beryllium	ND	mg/L		0.01		E200.8	07/19/05 21:03 / bws
Cadmium	ND	mg/L		0.005		E200.8	07/19/05 21:03 / bws
Cobalt	ND	mg/L		0.01		E200.8	07/19/05 21:03 / bws
Lead	ND	mg/L		0.05		E200.8	07/19/05 21:03 / bws
Manganese	0.07	mg/L		0.01		E200.8	07/19/05 21:03 / bws
Molybdenum	ND	mg/L		0.1		E200.8	07/19/05 21:03 / bws
Nickel	ND	mg/L		0.05		E200.8	07/19/05 21:03 / bws
Uranium	0.0304	mg/L		0.0003		E200.8	07/19/05 21:03 / bws
Vanadium	ND	mg/L		0.1		E200.8	07/19/05 21:03 / bws
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	07/18/05 13:55 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	07/19/05 10:00 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	07/22/05 12:40 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	07/21/05 10:30 / ph
Radium 226	0.3	pCi/L		0.2		E903.0	07/19/05 15:00 / df
Radium 226 precision (±)	0.3	pCi/L				E903.0	07/19/05 15:00 / df
Radium 228	ND	pCi/L		1.0		E904.0	07/19/05 15:00 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	07/21/05 10:30 / ph

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: C05070603-011
Client Sample ID: 624

Report Date: 08/12/05
Collection Date: 07/12/05 09:36
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	2.99	%				Calculation	07/29/05 14:19 / smd
Anions	75.5	meq/L				Calculation	07/29/05 14:19 / smd
Cations	80.2	meq/L				Calculation	07/29/05 14:19 / smd
Solids, Total Dissolved Calculated	4620	mg/L				Calculation	07/29/05 14:19 / smd
TDS Balance (0.80 - 1.20)	1.11	dec. %				Calculation	07/29/05 14:19 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	07/20/05 23:23 / jlr
Surr: 1,2-Dichlorobenzene-d4	106	%REC			80-120	E624	07/20/05 23:23 / jlr
Surr: Dibromofluoromethane	124	%REC			70-130	E624	07/20/05 23:23 / jlr
Surr: p-Bromofluorobenzene	104	%REC			75-125	E624	07/20/05 23:23 / jlr
Surr: Toluene-d8	98.8	%REC			80-120	E624	07/20/05 23:23 / 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: C05100333-009
Client Sample ID: 624

Report Date: 11/01/05
Collection Date: 10/04/05 09:55
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	1370	mg/L		1		A2320 B	10/13/05 17:00 / th
Calcium	693	mg/L	D	0.6		E200.7	10/18/05 14:34 / ts
Chloride	184	mg/L		1		E200.7	10/18/05 11:52 / ts
Magnesium	436	mg/L	D	0.5		E200.7	10/18/05 14:34 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	10/10/05 16:29 / jal
Nitrogen, Nitrate+Nitrite as N	75	mg/L	D	2		E353.2	10/10/05 11:53 / jal
Potassium	6.2	mg/L		0.5		E200.7	10/18/05 11:52 / ts
Sodium	241	mg/L		0.5		E200.7	10/18/05 11:52 / ts
Sulfate	2170	mg/L	D	8		E200.7	10/18/05 14:34 / ts
PHYSICAL PROPERTIES							
pH	7.21	s.u.		0.01		A4500-H B	10/10/05 16:40 / jc
Solids, Total Dissolved TDS @ 180 C	5130	mg/L		10		A2540 C	10/10/05 13:29 / jc
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	10/18/05 11:52 / ts
Beryllium	ND	mg/L		0.01		E200.8	10/20/05 23:54 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/20/05 23:54 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/20/05 23:54 / sml
Lead	ND	mg/L		0.05		E200.8	10/20/05 23:54 / sml
Manganese	0.08	mg/L		0.01		E200.7	10/18/05 11:52 / ts
Molybdenum	ND	mg/L		0.1		E200.7	10/18/05 11:52 / ts
Nickel	ND	mg/L		0.05		E200.8	10/20/05 23:54 / sml
Uranium	0.0316	mg/L		0.0003		E200.8	10/20/05 23:54 / sml
Vanadium	ND	mg/L		0.1		E200.7	10/18/05 11:52 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	10/12/05 11:39 / sl
Selenium-IV	ND	mg/L		0.001		A3114 B	10/12/05 14:52 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	10/14/05 13:00 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	10/14/05 10:30 / ph
Radium 226	ND	pCi/L		0.2		E903.0	10/12/05 14:40 / df
Radium 228	2.9	pCi/L		1.0		RA-05	10/12/05 14:40 / pj
Radium 228 precision (±)	2.3	pCi/L				RA-05	10/12/05 14:40 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	10/11/05 10:30 / ph

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: C05100333-009
Client Sample ID: 624

Report Date: 11/01/05
Collection Date: 10/04/05 09:55
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	1.79	%				Calculation	10/21/05 16:52 / smd
Anions	78.2	meq/L				Calculation	10/21/05 16:52 / smd
Cations	81.1	meq/L				Calculation	10/21/05 16:52 / smd
Solids, Total Dissolved Calculated	4760	mg/L				Calculation	10/21/05 16:52 / smd
TDS Balance (0.80 - 1.20)	1.08	dec. %				Calculation	10/21/05 16:52 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	10/14/05 03:43 / jlr
Surr: 1,2-Dichlorobenzene-d4	102	%REC			80-120	E624	10/14/05 03:43 / jlr
Surr: Dibromofluoromethane	106	%REC			70-130	E624	10/14/05 03:43 / jlr
Surr: p-Bromofluorobenzene	101	%REC			75-125	E624	10/14/05 03:43 / jlr
Surr: Toluene-d8	97.6	%REC			80-120	E624	10/14/05 03:43 / 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:		624	624	624	624		
Collection Date:		10/4/2005	7/12/2005	4/5/2005	1/4/2005		
Receive Date:		10/7/2005	7/15/2005	4/8/2005	1/7/2005		
Report Date:		10/31/2005	8/12/2005	4/29/2005	1/28/2005		
Analyte	Units	C05101333-009	C05070603-011	C05040333-009	C05010240-010		
Bicarbonate as HCO ₃	mg/L	1370	1340	1400	1360		
Calcium	mg/L	693	673	635	702		
Chloride	mg/L	184	176	159	166		
Magnesium	mg/L	436	434	394	435		
Nitrogen, Ammonia as N	mg/L	ND(0.05)	0.09	ND(0.05)	0.05		
Nitrogen, Nitrate+Nitrite as N	mg/L	75	70	73	86		
Potassium	mg/L	6.2	5.9	5.6	6.3		
Sodium	mg/L	241	246	238	240		
Sulfate	mg/L	2170	2100	1930	2030		
pH	s.u.	7.21	7.29	7.30	6.99		
Solids, Total Dissolved TDS @ 180 C	mg/L	5130	5120	5000	5240		
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	0.08	0.07	0.06	0.06		
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	0.0316	0.0304	0.0330	0.0343		
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)	2.2		
Gross Alpha minus Rn & U Precision (±)	pCi/L				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	ND(0.2)	0.3	0.7	0.4		
Radium 226 precision (±)	pCi/L		0.3	0.6	0.3		
Radium 228	pCi/L	2.9	ND(1.0)	ND(1.0)	ND(1.0)		
Radium 228 precision (±)	pCi/L	2.3					
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)		1.79	2.99	1.24	3.94		
Anions		78.2	75.5	72.8	75.3		
Cations		81.1	80.2	74.6	81.4		
Solids, Total Dissolved Calculated		4760	4620	4390	4640		
TDS Balance (0.80 - 1.20)		1.08	1.11	1.14	1.13		
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	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.

kls: r:\clients2005\unc_mining\unc_gallup-4th2005_final.xls

LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C05070603-016
Client Sample ID: 627

Report Date: 08/12/05
Collection Date: 07/12/05 14:00
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/ RL QCL	Method	Analysis Date / By
MAJOR IONS						
Bicarbonate as HCO ₃	581	mg/L		1	A2320 B	07/21/05 12:22 / sl
Calcium	594	mg/L	D	0.6	E200.7	07/21/05 14:41 / ts
Chloride	52	mg/L		1	E200.7	07/21/05 14:38 / ts
Magnesium	299	mg/L	D	0.5	E200.7	07/21/05 14:41 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05	A4500-NH ₃ G	07/21/05 09:23 / jal
Nitrogen, Nitrate+Nitrite as N	108	mg/L	D	3	E353.2	07/18/05 13:43 / jal
Potassium	4.4	mg/L		0.5	E200.7	07/21/05 14:38 / ts
Sodium	494	mg/L		0.5	E200.7	07/21/05 14:38 / ts
Sulfate	2570	mg/L	D	8	E200.7	07/21/05 14:41 / ts
PHYSICAL PROPERTIES						
pH	7.76	s.u.		0.01	A4500-H B	07/18/05 12:37 / th
Solids, Total Dissolved TDS @ 180 C	4950	mg/L		10	A2540 C	07/18/05 16:01 / th
METALS - TOTAL						
Aluminum	ND	mg/L		0.1	E200.8	07/20/05 01:31 / bws
Beryllium	ND	mg/L		0.01	E200.8	07/20/05 01:31 / bws
Cadmium	ND	mg/L		0.005	E200.8	07/20/05 01:31 / bws
Cobalt	ND	mg/L		0.01	E200.8	07/20/05 01:31 / bws
Lead	ND	mg/L		0.05	E200.8	07/20/05 01:31 / bws
Manganese	ND	mg/L		0.01	E200.8	07/20/05 01:31 / bws
Molybdenum	ND	mg/L		0.1	E200.8	07/20/05 01:31 / bws
Nickel	ND	mg/L		0.05	E200.8	07/20/05 01:31 / bws
Uranium	0.0254	mg/L		0.0003	E200.8	07/20/05 01:31 / bws
Vanadium	ND	mg/L		0.1	E200.8	07/20/05 01:31 / bws
METALS - SPECIATED						
Arsenic-III	ND	mg/L		0.001	A3114 B	07/18/05 14:05 / sml
Selenium-IV	ND	mg/L		0.001	A3114 B	07/19/05 10:13 / sml
RADIONUCLIDES - TOTAL						
Gross Alpha minus Rn & U	ND	pCi/L		1.0	E900.1	07/22/05 12:40 / rs
Lead 210	ND	pCi/L		1.0	NERHL-65-4	07/21/05 10:30 / ph
Radium 226	0.4	pCi/L		0.2	E903.0	07/19/05 15:00 / df
Radium 226 precision (±)	0.3	pCi/L			E903.0	07/19/05 15:00 / df
Radium 228	ND	pCi/L		1.0	E904.0	07/19/05 15:00 / pj
Thorium 230	ND	pCi/L		0.2	E907.0	07/21/05 10:30 / ph

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: C05070603-016
Client Sample ID: 627

Report Date: 08/12/05
Collection Date: 07/12/05 14:00
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	2.45	%				Calculation	07/29/05 14:20 / smd
Anions	72.2	meq/L				Calculation	07/29/05 14:20 / smd
Cations	75.9	meq/L				Calculation	07/29/05 14:20 / smd
Solids, Total Dissolved Calculated	4790	mg/L				Calculation	07/29/05 14:20 / smd
TDS Balance (0.80 - 1.20)	1.03	dec. %				Calculation	07/29/05 14:20 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	07/21/05 09:07 / jlr
Surr: 1,2-Dichlorobenzene-d4	108	%REC			80-120	E624	07/21/05 09:07 / jlr
Surr: Dibromofluoromethane	128	%REC			70-130	E624	07/21/05 09:07 / jlr
Surr: p-Bromofluorobenzene	106	%REC			75-125	E624	07/21/05 09:07 / jlr
Surr: Toluene-d8	101	%REC			80-120	E624	07/21/05 09:07 / 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: Alluvium
Lab ID: C05100333-016
Client Sample ID: 627

Report Date: 11/01/05
Collection Date: 10/04/05 15:12
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/ RL QCL	Method	Analysis Date / By
MAJOR IONS						
Bicarbonate as HCO3	595	mg/L		1	A2320 B	10/10/05 17:43 / th
Calcium	554	mg/L	D	0.6	E200.7	10/18/05 15:13 / ts
Chloride	54	mg/L		1	E200.7	10/18/05 13:31 / ts
Magnesium	284	mg/L	D	0.5	E200.7	10/18/05 15:13 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05	A4500-NH3 G	10/10/05 16:49 / jal
Nitrogen, Nitrate+Nitrite as N	108	mg/L	D	2	E353.2	10/10/05 12:23 / jal
Potassium	5.2	mg/L		0.5	E200.7	10/18/05 13:31 / ts
Sodium	495	mg/L		0.5	E200.7	10/18/05 13:31 / ts
Sulfate	2530	mg/L	D	8	E200.7	10/18/05 15:13 / ts
PHYSICAL PROPERTIES						
pH	7.60	s.u.		0.01	A4500-H B	10/10/05 16:51 / jc
Solids, Total Dissolved TDS @ 180 C	4930	mg/L		10	A2540 C	10/10/05 13:31 / jc
METALS - TOTAL						
Aluminum	ND	mg/L		0.1	E200.7	10/18/05 13:31 / ts
Beryllium	ND	mg/L		0.01	E200.8	10/21/05 01:27 / sml
Cadmium	ND	mg/L		0.005	E200.8	10/21/05 01:27 / sml
Cobalt	ND	mg/L		0.01	E200.8	10/21/05 01:27 / sml
Lead	ND	mg/L		0.05	E200.8	10/21/05 01:27 / sml
Manganese	ND	mg/L		0.01	E200.7	10/18/05 13:31 / ts
Molybdenum	ND	mg/L		0.1	E200.7	10/18/05 13:31 / ts
Nickel	ND	mg/L		0.05	E200.8	10/21/05 01:27 / sml
Uranium	0.0271	mg/L		0.0003	E200.8	10/21/05 01:27 / sml
Vanadium	ND	mg/L		0.1	E200.7	10/18/05 13:31 / ts
METALS - SPECIATED						
Arsenic-III	ND	mg/L		0.001	A3114 B	10/12/05 11:54 / sl
Selenium-IV	ND	mg/L		0.001	A3114 B	10/12/05 15:05 / sl
RADIONUCLIDES - TOTAL						
Gross Alpha minus Rn & U	ND	pCi/L		1.0	E900.1	10/14/05 13:00 / rs
Lead 210	ND	pCi/L		1.0	NERHL-65-4	10/14/05 10:30 / ph
Radium 226	0.3	pCi/L		0.2	E903.0	10/12/05 14:40 / df
Radium 226 precision (±)	0.3	pCi/L			E903.0	10/12/05 14:40 / df
Radium 228	1.4	pCi/L		1.0	RA-05	10/12/05 14:40 / pj
Radium 228 precision (±)	0.9	pCi/L			RA-05	10/12/05 14:40 / pj
Thorium 230	ND	pCi/L		0.2	E907.0	10/11/05 10:30 / ph

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: C05100333-016
Client Sample ID: 627

Report Date: 11/01/05
Collection Date: 10/04/05 15:12
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	0.791	%				Calculation	10/21/05 16:54 / smd
Anions	71.6	meq/L				Calculation	10/21/05 16:54 / smd
Cations	72.7	meq/L				Calculation	10/21/05 16:54 / smd
Solids, Total Dissolved Calculated	4710	mg/L				Calculation	10/21/05 16:54 / smd
TDS Balance (0.80 - 1.20)	1.05	dec. %				Calculation	10/21/05 16:54 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	10/14/05 08:10 / jlr
Surr: 1,2-Dichlorobenzene-d4	104	%REC			80-120	E624	10/14/05 08:10 / jlr
Surr: Dibromofluoromethane	116	%REC			70-130	E624	10/14/05 08:10 / jlr
Surr: p-Bromofluorobenzene	95.2	%REC			75-125	E624	10/14/05 08:10 / jlr
Surr: Toluene-d8	94.8	%REC			80-120	E624	10/14/05 08:10 / 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:		10/4/2005	7/12/2005	4/5/2005	1/12/2005		
Receive Date:		10/7/2005	7/15/2005	4/8/2005	1/14/2005		
Report Date:		10/31/2005	8/12/2005	4/29/2005	2/3/2005		
Analyte	Units	C05100333-016	C05070603-016	C05040333-016	C05010488-001		
Bicarbonate as HCO ₃	mg/L	595	581	612	596		
Calcium	mg/L	554	594	602	598		
Chloride	mg/L	54	52	56	62		
Magnesium	mg/L	284	299	318	304		
Nitrogen, Ammonia as N	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	0.08		
Nitrogen, Nitrate+Nitrite as N	mg/L	108	108	110	112		
Potassium	mg/L	5.2	4.4	5.1	5.9		
Sodium	mg/L	495	494	518	518		
Sulfate	mg/L	2530	2570	2590	2520		
pH	s.u.	7.60	7.76	7.70	7.24		
Solids, Total Dissolved TDS @ 180 C	mg/L	4930	4950	5000	5190		
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)	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	0.0271	0.0254	0.0280	0.0269		
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)	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	0.3	0.4	1.0	0.5		
Radium 226 precision (±)	pCi/L	0.3	0.3	0.6	0.4		
Radium 228	pCi/L	1.4	ND(1.0)	ND(1.0)	ND(1.0)		
Radium 228 precision (±)	pCi/L	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)		0.791	2.45	3.62	3.69		
Anions		71.6	72.2	73.4	72.1		
Cations		72.7	75.9	78.9	77.6		
Solids, Total Dissolved Calculated		4710	4790	4890	4820		
TDS Balance (0.80 - 1.20)		1.05	1.03	1.02	1.08		
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	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.

kls: r:\clients2005\unc_mining\unc_gallup-4th2005_final.xls



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp

Project: Alluvium

Lab ID: C05070603-009

Client Sample ID: 632

Report Date: 08/12/05

Collection Date: 07/11/05 15:07

Date Received: 07/15/05

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCC3	1780	mg/L		1		A2320 B	07/21/05 10:54 / sl
Calcium	610	mg/L		0.5		E200.7	07/21/05 12:03 / ts
Chloride	284	mg/L		1		E200.7	07/21/05 12:03 / ts
Magnesium	811	mg/L	D	0.5		E200.7	07/21/05 12:06 / ts
Nitrogen, Ammonia as N	0.53	mg/L		0.05		A4500-NH3 G	07/21/05 08:59 / jal
Nitrogen, Nitrate+Nitrite as N	63.6	mg/L	D	0.6		E353.2	07/18/05 13:18 / jal
Potassium	9.6	mg/L		0.5		E200.7	07/21/05 12:03 / ts
Sodium	389	mg/L		0.5		E200.7	07/21/05 12:03 / ts
Sulfate	3360	mg/L	D	8		E200.7	07/21/05 12:06 / ts
PHYSICAL PROPERTIES							
pH	7.25	s.u.		0.01		A4500-H B	07/18/05 12:10 / th
Solids, Total Dissolved TDS @ 180 C	7240	mg/L		10		A2540 C	07/18/05 15:59 / th
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	07/19/05 20:50 / bws
Beryllium	ND	mg/L		0.01		E200.8	07/19/05 20:50 / bws
Cadmium	ND	mg/L		0.005		E200.8	07/19/05 20:50 / bws
Cobalt	ND	mg/L		0.01		E200.8	07/19/05 20:50 / bws
Lead	ND	mg/L		0.05		E200.8	07/19/05 20:50 / bws
Manganese	1.72	mg/L		0.01		E200.8	07/19/05 20:50 / bws
Molybdenum	ND	mg/L		0.1		E200.8	07/19/05 20:50 / bws
Nickel	ND	mg/L		0.05		E200.8	07/19/05 20:50 / bws
Uranium	0.0734	mg/L		0.0003		E200.8	07/19/05 20:50 / bws
Vanadium	ND	mg/L		0.1		E200.8	07/19/05 20:50 / bws
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	07/18/05 13:40 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	07/19/05 09:44 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.3	pCi/L		1.0		E900.1	07/22/05 12:40 / rs
Gross Alpha minus Rn & U Precision (±)	0.7	pCi/L				E900.1	07/22/05 12:40 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	07/21/05 10:30 / ph
Radium 226	1.3	pCi/L		0.2		E903.0	07/19/05 15:00 / df
Radium 226 precision (±)	0.6	pCi/L				E903.0	07/19/05 15:00 / df
Radium 228	ND	pCi/L		1.0		E904.0	07/19/05 15:00 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	07/21/05 10:30 / ph

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: C05070603-009
Client Sample ID: 632

Report Date: 08/12/05
Collection Date: 07/11/05 15:07
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	4.99	%				Calculation	08/11/05 15:56 / ks
Anions	104	meq/L				Calculation	08/11/05 15:56 / ks
Cations	114	meq/L				Calculation	08/11/05 15:56 / ks
Solids, Total Dissolved Calculated	6350	mg/L				Calculation	08/11/05 15:56 / ks
TDS Balance (0.80 - 1.20)	1.14	dec. %				Calculation	08/11/05 15:56 / ks
VOLATILE ORGANIC COMPOUNDS							
Chloroform	3.6	ug/L		1.0		E624	07/20/05 22:09 / jlr
Surr: 1,2-Dichlorobenzene-d4	104	%REC			80-120	E624	07/20/05 22:09 / jlr
Surr: Dibromofluoromethane	123	%REC			70-130	E624	07/20/05 22:09 / jlr
Surr: p-Bromofluorobenzene	104	%REC			75-125	E624	07/20/05 22:09 / jlr
Surr: Toluene-d8	100	%REC			80-120	E624	07/20/05 22:09 / 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: C05100333-013
Client Sample ID: 632

Report Date: 11/01/05
Collection Date: 10/04/05 12:03
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	1860	mg/L		1		A2320 B	10/13/05 17:00 / th
Calcium	626	mg/L	D	0.6		E200.7	10/18/05 14:55 / ts
Chloride	244	mg/L		1		E200.7	10/18/05 13:21 / ts
Magnesium	792	mg/L	D	0.5		E200.7	10/18/05 14:55 / ts
Nitrogen, Ammonia as N	0.49	mg/L		0.05		A4500-NH3 G	10/10/05 16:37 / jal
Nitrogen, Nitrate+Nitrite as N	58	mg/L	D	2		E353.2	10/10/05 12:11 / jal
Potassium	9.2	mg/L		0.5		E200.7	10/18/05 13:21 / ts
Sodium	399	mg/L		0.5		E200.7	10/18/05 13:21 / ts
Sulfate	3350	mg/L	D	8		E200.7	10/18/05 14:55 / ts
PHYSICAL PROPERTIES							
pH	7.03	s.u.		0.01		A4500-H B	10/10/05 16:46 / jc
Solids, Total Dissolved TDS @ 180 C	7210	mg/L		10		A2540 C	10/10/05 13:30 / jc
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	10/18/05 13:21 / ts
Beryllium	ND	mg/L		0.01		E200.8	10/21/05 01:07 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/21/05 01:07 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/21/05 01:07 / sml
Lead	ND	mg/L		0.05		E200.8	10/21/05 01:07 / sml
Manganese	1.62	mg/L		0.01		E200.7	10/18/05 13:21 / ts
Molybdenum	ND	mg/L		0.1		E200.7	10/18/05 13:21 / ts
Nickel	ND	mg/L		0.05		E200.8	10/21/05 01:07 / sml
Uranium	0.0880	mg/L	D	0.0004		E200.8	10/21/05 01:07 / sml
Vanadium	ND	mg/L		0.1		E200.7	10/18/05 13:21 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	10/12/05 11:48 / sl
Selenium-IV	ND	mg/L		0.001		A3114 B	10/12/05 14:59 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	2.4	pCi/L		1.0		E900.1	10/14/05 13:00 / rs
Gross Alpha minus Rn & U Precision (±)	1.1	pCi/L				E900.1	10/14/05 13:00 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	10/14/05 10:30 / ph
Radium 226	0.6	pCi/L		0.2		E903.0	10/12/05 14:40 / df
Radium 226 precision (±)	0.4	pCi/L				E903.0	10/12/05 14:40 / df
Radium 228	3.3	pCi/L		1.0		RA-05	10/12/05 14:40 / pj
Radium 228 precision (±)	1.0	pCi/L				RA-05	10/12/05 14:40 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	10/11/05 10:30 / ph

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: C05100333-013
Client Sample ID: 632

Report Date: 11/01/05
Collection Date: 10/04/05 12:03
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	1.24	%				Calculation	10/21/05 16:53 / smd
Anions	111	meq/L				Calculation	10/21/05 16:53 / smd
Cations	114	meq/L				Calculation	10/21/05 16:53 / smd
Solids, Total Dissolved Calculated	6610	mg/L				Calculation	10/21/05 16:53 / smd
TDS Balance (0.80 - 1.20)	1.09	dec. %				Calculation	10/21/05 16:53 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	2.9	ug/L		1.0		E624	10/14/05 06:16 / jlr
Surr: 1,2-Dichlorobenzene-d4	100	%REC			80-120	E624	10/14/05 06:16 / jlr
Surr: Dibromofluoromethane	110	%REC			70-130	E624	10/14/05 06:16 / jlr
Surr: p-Bromofluorobenzene	101	%REC			75-125	E624	10/14/05 06:16 / jlr
Surr: Toluene-d8	98.0	%REC			80-120	E624	10/14/05 06:16 / 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:		632	632	632	632		
Collection Date:		10/4/2005	7/11/2005	4/5/2005	1/3/2005		
Receive Date:		10/7/2005	7/15/2005	4/8/2005	1/7/2005		
Report Date:		10/31/2005	8/12/2005	4/29/2005	1/28/2005		
Analyte	Units	C05101333-013	C05070603-009	C05040333-013	C05010240-009		
Bicarbonate as HCO ₃	mg/L	1860	1780	1820	1770		
Calcium	mg/L	626	610	634	626		
Chloride	mg/L	244	284	237	233		
Magnesium	mg/L	792	811	811	795		
Nitrogen, Ammonia as N	mg/L	0.49	0.53	0.50	0.45		
Nitrogen, Nitrate+Nitrite as N	mg/L	58	63.6	60.5	60.1		
Potassium	mg/L	9.2	9.6	9.0	9.4		
Sodium	mg/L	399	389	392	387		
Sulfate	mg/L	3350	3360	3330	3230		
pH	s.u.	7.03	7.25	7.01	6.81		
Solids, Total Dissolved TDS @ 180 C	mg/L	7210	7240	6980	7400		
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	1.62	1.72	1.40	1.45		
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	0.0880	0.0734	0.0768	0.0755		
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	2.4	1.3	ND(1.0)	3.2		
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.1	0.7		1.8		
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	0.6	1.3	1.2	1.4		
Radium 226 precision (±)	pCi/L	0.4	0.6	0.7	0.4		
Radium 228	pCi/L	3.3	ND(1.0)	ND(1.0)	1.5		
Radium 228 precision (±)	pCi/L	1.0			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)		1.24	4.99	2.51	3.13		
Anions		111	104	110	107		
Cations		114	114	116	114		
Solids, Total Dissolved Calculated		6610	6350	6590	6430		
TDS Balance (0.80 - 1.20)		1.09	1.14	1.06	1.12		
Chloroform	ug/L	2.9	3.6	2.7	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.**

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C05070603-006
Client Sample ID: 801

Report Date: 08/12/05
Collection Date: 07/11/05 13:25
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO ₃	1350	mg/L			1	A2320 B	07/20/05 22:19 / sl
Calcium	567	mg/L	D		0.6	E200.7	07/21/05 11:36 / ts
Chloride	201	mg/L			1	E200.7	07/25/05 15:41 / ts
Magnesium	723	mg/L	D		0.5	E200.7	07/21/05 11:36 / ts
Nitrogen, Ammonia as N	3.7	mg/L	D		0.1	A4500-NH3 G	07/21/05 08:53 / jal
Nitrogen, Nitrate+Nitrite as N	0.2	mg/L			0.1	E353.2	07/18/05 13:05 / jal
Potassium	12.3	mg/L			0.5	E200.7	07/21/05 11:33 / ts
Sodium	359	mg/L			0.5	E200.7	07/21/05 11:33 / ts
Sulfate	3360	mg/L	D		8	E200.7	07/21/05 11:36 / ts
PHYSICAL PROPERTIES							
pH	7.28	s.u.			0.01	A4500-H B	07/18/05 12:01 / th
Solids, Total Dissolved TDS @ 180 C	6520	mg/L			10	A2540 C	07/18/05 13:12 / th
METALS - TOTAL							
Aluminum	ND	mg/L			0.1	E200.8	07/19/05 20:29 / bws
Beryllium	ND	mg/L			0.01	E200.8	07/19/05 20:29 / bws
Cadmium	ND	mg/L			0.005	E200.8	07/19/05 20:29 / bws
Cobalt	ND	mg/L			0.01	E200.8	07/19/05 20:29 / bws
Lead	ND	mg/L			0.05	E200.8	07/19/05 20:29 / bws
Manganese	3.92	mg/L			0.01	E200.8	07/19/05 20:29 / bws
Molybdenum	ND	mg/L			0.1	E200.8	07/19/05 20:29 / bws
Nickel	ND	mg/L			0.05	E200.8	07/19/05 20:29 / bws
Uranium	0.0416	mg/L			0.0003	E200.8	07/19/05 20:29 / bws
Vanadium	ND	mg/L			0.1	E200.8	07/19/05 20:29 / bws
METALS - SPECIATED							
Arsenic-III	ND	mg/L			0.001	A3114 B	07/18/05 13:34 / sml
Selenium-IV	ND	mg/L			0.001	A3114 B	07/19/05 09:37 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L			1.0	E900.1	07/22/05 12:40 / rs
Lead 210	ND	pCi/L			1.0	NERHL-65-4	07/21/05 10:30 / ph
Radium 226	0.4	pCi/L			0.2	E903.0	07/19/05 15:00 / df
Radium 226 precision (±)	0.3	pCi/L				E903.0	07/19/05 15:00 / df
Radium 228	ND	pCi/L			1.0	E904.0	07/19/05 15:00 / pj
Thorium 230	ND	pCi/L			0.2	E907.0	07/21/05 10:30 / ph

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: C05070603-006
Client Sample ID: 801

Report Date: 08/12/05
Collection Date: 07/11/05 13:25
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	3.22	%				Calculation	07/29/05 14:15 / smd
Anions	97.8	meq/L				Calculation	07/29/05 14:15 / smd
Cations	104	meq/L				Calculation	07/29/05 14:15 / smd
Solids, Total Dissolved Calculated	5910	mg/L				Calculation	07/29/05 14:15 / smd
TDS Balance (0.80 - 1.20)	1.10	dec. %				Calculation	07/29/05 14:15 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	3.5	ug/L		1.0		E624	07/20/05 16:03 / jlr
Surr: 1,2-Dichlorobenzene-d4	106	%REC			80-120	E624	07/20/05 16:03 / jlr
Surr: Dibromofluoromethane	116	%REC			70-130	E624	07/20/05 16:03 / jlr
Surr: p-Bromofluorobenzene	105	%REC			75-125	E624	07/20/05 16:03 / jlr
Surr: Toluene-d8	100	%REC			80-120	E624	07/20/05 16:03 / 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: C05100333-006

Client Sample ID: 801

Report Date: 11/01/05

Collection Date: 10/03/05 14:35

Date Received: 10/07/05

Matrix: Aqueous

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	1450	mg/L			1	A2320 B	10/13/05 17:00 / th
Calcium	547	mg/L	D		0.6	E200.7	10/18/05 14:06 / ts
Chloride	208	mg/L			1	E200.7	10/18/05 11:43 / ts
Magnesium	676	mg/L	D		0.5	E200.7	10/18/05 14:06 / ts
Nitrogen, Ammonia as N	2.9	mg/L	D		0.1	A4500-NH3 G	10/10/05 16:17 / jal
Nitrogen, Nitrate+Nitrite as N	0.2	mg/L			0.1	E353.2	10/10/05 11:46 / jal
Potassium	12.2	mg/L			0.5	E200.7	10/18/05 11:43 / ts
Sodium	355	mg/L			0.5	E200.7	10/18/05 11:43 / ts
Sulfate	3280	mg/L	D		8	E200.7	10/18/05 14:06 / ts
PHYSICAL PROPERTIES							
pH	7.05	s.u.			0.01	A4500-H B	10/10/05 16:35 / jc
Solids, Total Dissolved TDS @ 180 C	6380	mg/L			10	A2540 C	10/10/05 13:27 / jc
METALS - TOTAL							
Aluminum	ND	mg/L			0.1	E200.7	10/18/05 11:43 / ts
Beryllium	ND	mg/L			0.01	E200.8	10/20/05 23:27 / sml
Cadmium	ND	mg/L			0.005	E200.8	10/20/05 23:27 / sml
Cobalt	ND	mg/L			0.01	E200.8	10/20/05 23:27 / sml
Lead	ND	mg/L			0.05	E200.8	10/20/05 23:27 / sml
Manganese	3.62	mg/L			0.01	E200.7	10/18/05 11:43 / ts
Molybdenum	ND	mg/L			0.1	E200.7	10/18/05 11:43 / ts
Nickel	ND	mg/L			0.05	E200.8	10/20/05 23:27 / sml
Uranium	0.0419	mg/L			0.0003	E200.8	10/20/05 23:27 / sml
Vanadium	ND	mg/L			0.1	E200.7	10/18/05 11:43 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L			0.001	A3114 B	10/12/05 11:16 / sl
Selenium-IV	ND	mg/L			0.001	A3114 B	10/12/05 14:34 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.0	pCi/L			1.0	E900.1	10/14/05 13:00 / rs
Gross Alpha minus Rn & U Precision (±)	0.9	pCi/L				E900.1	10/14/05 13:00 / rs
Lead 210	ND	pCi/L			1.0	NERHL-65-4	10/14/05 10:30 / ph
Radium 226	ND	pCi/L			0.2	E903.0	10/12/05 14:40 / df
Radium 228	2.4	pCi/L			1.0	RA-05	10/12/05 14:40 / pj
Radium 228 precision (±)	0.9	pCi/L				RA-05	10/12/05 14:40 / pj
Thorium 230	ND	pCi/L			0.2	E907.0	10/11/05 10:30 / ph

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: C05100333-006
Client Sample ID: 801

Report Date: 11/01/05
Collection Date: 10/03/05 14:35
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	0.593	%				Calculation	10/21/05 16:50 / smd
Anions	98.0	meq/L				Calculation	10/21/05 16:50 / smd
Cations	99.1	meq/L				Calculation	10/21/05 16:50 / smd
Solids, Total Dissolved Calculated	5820	mg/L				Calculation	10/21/05 16:50 / smd
TDS Balance (0.80 - 1.20)	1.10	dec. %				Calculation	10/21/05 16:50 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	2.9	ug/L		1.0		E624	10/14/05 01:48 / jlr
Surr: 1,2-Dichlorobenzene-d4	98.8	%REC			80-120	E624	10/14/05 01:48 / jlr
Surr: Dibromofluoromethane	105	%REC			70-130	E624	10/14/05 01:48 / jlr
Surr: p-Bromofluorobenzene	95.2	%REC			75-125	E624	10/14/05 01:48 / jlr
Surr: Toluene-d8	97.2	%REC			80-120	E624	10/14/05 01:48 / 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:		10/3/2005	7/11/2005	4/4/2005	1/3/2005	
Receive Date:		10/7/2005	7/15/2005	4/8/2005	1/7/2005	
Report Date:		10/31/2005	8/12/2005	4/29/2005	1/28/2005	
Analyte	Units	C05100333-006	C05070603-006	C05040333-006	C05010240-006	
Bicarbonate as HCO ₃	mg/L	1450	1350	1480	1450	
Calcium	mg/L	547	567	564	574	
Chloride	mg/L	208	201	194	198	
Magnesium	mg/L	676	723	697	729	
Nitrogen, Ammonia as N	mg/L	2.9	3.7	3.5	3.9	
Nitrogen, Nitrate+Nitrite as N	mg/L	0.2	0.2	0.3	0.6	
Potassium	mg/L	12.2	12.3	11.4	12.3	
Sodium	mg/L	355	359	344	353	
Sulfate	mg/L	3280	3360	3310	3300	
pH	s.u.	7.05	7.28	7.07	6.93	
Solids, Total Dissolved TDS @ 180 C	mg/L	6380	6520	6300	6700	
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	3.62	3.92	3.93	3.82	
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	0.0419	0.0416	0.0410	0.0442	
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)	1.8	
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.9			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	ND(0.2)	0.4	0.7	0.8	
Radium 226 precision (±)	pCi/L		0.3	0.6	0.3	
Radium 228	pCi/L	2.4	ND(1.0)	ND(1.0)	ND(1.0)	
Radium 228 precision (±)	pCi/L	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)		0.593	3.22	1.27	3.31	
Anions		98.0	97.8	98.7	98.1	
Cations		99.1	104	101	105	
Solids, Total Dissolved Calculated		5820	5910	5880	5910	
TDS Balance (0.80 - 1.20)		1.10	1.10	1.07	1.13	
Chloroform	ug/L	2.9	3.5	2.9	2.6	

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C05070603-005
Client Sample ID: 802

Report Date: 08/12/05
Collection Date: 07/11/05 11:25
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/ RL QCL	Method	Analysis Date / By
MAJOR IONS						
Bicarbonate as HCO3	2370	mg/L		1	A2320 B	07/21/05 10:23 / sl
Calcium	676	mg/L	D	0.6	E200.7	07/21/05 11:21 / ts
Chloride	225	mg/L		1	E200.7	07/21/05 15:06 / ts
Magnesium	1010	mg/L	D	0.5	E200.7	07/21/05 11:21 / ts
Nitrogen, Ammonia as N	0.09	mg/L		0.05	A4500-NH3 G	07/21/05 08:45 / jal
Nitrogen, Nitrate+Nitrite as N	93	mg/L	D	2	E353.2	07/18/05 13:00 / jal
Potassium	6.6	mg/L		0.5	E200.7	07/21/05 11:18 / ts
Sodium	363	mg/L		0.5	E200.7	07/21/05 11:18 / ts
Sulfate	3780	mg/L	D	8	E200.7	07/21/05 11:21 / ts
PHYSICAL PROPERTIES						
pH	7.25	s.u.		0.01	A4500-H B	07/18/05 11:51 / th
Solids, Total Dissolved TDS @ 180 C	8210	mg/L		10	A2540 C	07/18/05 13:11 / th
METALS - TOTAL						
Aluminum	ND	mg/L		0.1	E200.8	07/19/05 19:56 / bws
Beryllium	ND	mg/L		0.01	E200.8	07/19/05 19:56 / bws
Cadmium	ND	mg/L		0.005	E200.8	07/19/05 19:56 / bws
Cobalt	ND	mg/L		0.01	E200.8	07/19/05 19:56 / bws
Lead	ND	mg/L		0.05	E200.8	07/19/05 19:56 / bws
Manganese	0.79	mg/L		0.01	E200.8	07/19/05 19:56 / bws
Molybdenum	ND	mg/L		0.1	E200.8	07/19/05 19:56 / bws
Nickel	ND	mg/L		0.05	E200.8	07/19/05 19:56 / bws
Uranium	0.187	mg/L	D	0.0004	E200.8	07/19/05 19:56 / bws
Vanadium	ND	mg/L		0.1	E200.8	07/19/05 19:56 / bws
METALS - SPECIATED						
Arsenic-III	ND	mg/L		0.001	A3114 B	07/18/05 13:32 / sml
Selenium-IV	ND	mg/L		0.001	A3114 B	07/19/05 09:35 / sml
RADIONUCLIDES - TOTAL						
Gross Alpha minus Rn & U	ND	pCi/L		1.0	E900.1	07/22/05 12:40 / rs
Lead 210	ND	pCi/L		1.0	NERHL-65-4	07/21/05 10:30 / ph
Radium 226	0.4	pCi/L		0.2	E903.0	07/19/05 15:00 / df
Radium 226 precision (±)	0.3	pCi/L			E903.0	07/19/05 15:00 / df
Radium 228	ND	pCi/L		1.0	E904.0	07/19/05 15:00 / pj
Thorium 230	ND	pCi/L		0.2	E907.0	07/21/05 10:30 / ph

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: C05070603-005
Client Sample ID: 802

Report Date: 08/12/05
Collection Date: 07/11/05 11:25
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	0.788	%				Calculation	07/29/05 14:12 / smd
Anions	131	meq/L				Calculation	07/29/05 14:12 / smd
Cations	133	meq/L				Calculation	07/29/05 14:12 / smd
Solids, Total Dissolved Calculated	7660	mg/L				Calculation	07/29/05 14:12 / smd
TDS Balance (0.80 - 1.20)	1.07	dec. %				Calculation	07/29/05 14:12 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	12.3	ug/L		1.0		E624	07/20/05 15:27 / jlr
Surr: 1,2-Dichlorobenzene-d4	106	%REC			80-120	E624	07/20/05 15:27 / jlr
Surr: Dibromofluoromethane	121	%REC			70-130	E624	07/20/05 15:27 / jlr
Surr: p-Bromofluorobenzene	102	%REC			75-125	E624	07/20/05 15:27 / jlr
Surr: Toluene-d8	98.0	%REC			80-120	E624	07/20/05 15:27 / 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: C05100333-005
Client Sample ID: 802

Report Date: 11/01/05
Collection Date: 10/03/05 14:00
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	2280	mg/L		1		A2320 B	10/13/05 17:00 / th
Calcium	672	mg/L	D	0.6		E200.7	10/17/05 15:03 / ts
Chloride	199	mg/L		1		E200.7	10/17/05 13:46 / ts
Magnesium	1050	mg/L	D	0.5		E200.7	10/17/05 15:03 / ts
Nitrogen, Ammonia as N	0.09	mg/L		0.05		A4500-NH3 G	10/10/05 16:15 / jal
Nitrogen, Nitrate+Nitrite as N	90	mg/L	D	2		E353.2	10/10/05 11:43 / jal
Potassium	6.8	mg/L		0.5		E200.7	10/17/05 13:46 / ts
Sodium	366	mg/L		0.5		E200.7	10/17/05 13:46 / ts
Sulfate	3620	mg/L	D	8		E200.7	10/17/05 15:03 / ts
PHYSICAL PROPERTIES							
pH	7.17	s.u.		0.01		A4500-H B	10/10/05 16:35 / jc
Solids, Total Dissolved TDS @ 180 C	8290	mg/L		10		A2540 C	10/10/05 13:27 / jc
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	10/17/05 13:46 / ts
Beryllium	ND	mg/L		0.01		E200.8	10/20/05 23:21 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/20/05 23:21 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/20/05 23:21 / sml
Lead	ND	mg/L		0.05		E200.8	10/20/05 23:21 / sml
Manganese	0.82	mg/L		0.01		E200.7	10/17/05 13:46 / ts
Molybdenum	ND	mg/L		0.1		E200.7	10/17/05 13:46 / ts
Nickel	ND	mg/L		0.05		E200.8	10/20/05 23:21 / sml
Uranium	0.181	mg/L	D	0.0004		E200.8	10/20/05 23:21 / sml
Vanadium	ND	mg/L		0.1		E200.7	10/17/05 13:46 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	10/12/05 11:14 / sl
Selenium-IV	ND	mg/L		0.001		A3114 B	10/12/05 14:32 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.2	pCi/L		1.0		E900.1	10/14/05 13:00 / rs
Gross Alpha minus Rn & U Precision (±)	0.9	pCi/L				E900.1	10/14/05 13:00 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	10/14/05 10:30 / ph
Radium 226	ND	pCi/L		0.2		E903.0	10/12/05 14:40 / df
Radium 228	ND	pCi/L		1.0		RA-05	10/12/05 14:40 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	10/11/05 10:30 / ph

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: C05100333-005
Client Sample ID: 802

Report Date: 11/01/05
Collection Date: 10/03/05 14:00
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	4.36	%				Calculation	10/21/05 16:50 / smd
Anions	125	meq/L				Calculation	10/21/05 16:50 / smd
Cations	136	meq/L				Calculation	10/21/05 16:50 / smd
Solids, Total Dissolved Calculated	7450	mg/L				Calculation	10/21/05 16:50 / smd
TDS Balance (0.80 - 1.20)	1.11	dec. %				Calculation	10/21/05 16:50 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	10.6	ug/L		1.0		E624	10/14/05 01:10 / jlr
Surr: 1,2-Dichlorobenzene-d4	101	%REC			80-120	E624	10/14/05 01:10 / jlr
Surr: Dibromofluoromethane	104	%REC			70-130	E624	10/14/05 01:10 / jlr
Surr: p-Bromofluorobenzene	99.6	%REC			75-125	E624	10/14/05 01:10 / jlr
Surr: Toluene-d8	98.4	%REC			80-120	E624	10/14/05 01:10 / 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:		802	802	802	802	
Collection Date:		10/3/2005	7/11/2005	4/4/2005	1/3/2005	
Receive Date:		10/7/2005	7/15/2005	4/8/2005	1/7/2005	
Report Date:		10/31/2005	8/12/2005	4/29/2005	1/28/2005	
Analyte	Units	C05100333-005	C05070603-005	C05040333-005	C05010240-005	
Bicarbonate as HCO ₃	mg/L	2280	2370	2370	2370	
Calcium	mg/L	672	676	669	687	
Chloride	mg/L	199	225	190	202	
Magnesium	mg/L	1050	1010	957	998	
Nitrogen, Ammonia as N	mg/L	0.09	0.09	ND(0.05)	0.12	
Nitrogen, Nitrate+Nitrite as N	mg/L	90	93	83	100	
Potassium	mg/L	6.8	6.6	6.1	7.4	
Sodium	mg/L	366	363	365	374	
Sulfate	mg/L	3620	3780	3710	3620	
pH	s.u.	7.17	7.25	7.11	6.93	
Solids, Total Dissolved TDS @ 180 C	mg/L	8290	8210	8100	8490	
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)	0.012	
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	0.82	0.79	0.72	0.74	
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	0.181	0.187	0.180	0.194	
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)	2.6	
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.9			1.7	
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	ND(0.2)	0.4	0.7	0.8	
Radium 226 precision (±)	pCi/L		0.3	0.6	0.3	
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	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	
Thorium 230 precision (±)	pCi/L					
A/C Balance (± 5)		4.36	0.788	0.364	2.32	
Anions		125	131	127	127	
Cations		136	133	128	133	
Solids, Total Dissolved Calculated		7450	7660	7440	7510	
TDS Balance (0.80 - 1.20)		1.11	1.07	1.09	1.10	
Chloroform	ug/L	10.6	12.3	9.6	7.9	

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C05070603-003
Client Sample ID: 803

Report Date: 08/12/05
Collection Date: 07/11/05 10:20
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	1700	mg/L			1	A2320 B	07/20/05 21:48 / sl
Calcium	725	mg/L	D		0.6	E200.7	07/21/05 11:09 / ts
Chloride	182	mg/L			1	E200.7	07/21/05 14:59 / ts
Magnesium	774	mg/L	D		0.5	E200.7	07/21/05 11:09 / ts
Nitrogen, Ammonia as N	1.19	mg/L			0.05	A4500-NH3 G	07/21/05 08:41 / jal
Nitrogen, Nitrate+Nitrite as N	53.9	mg/L	D		0.6	E353.2	07/18/05 12:55 / jal
Potassium	11.9	mg/L			0.5	E200.7	07/21/05 11:06 / ts
Sodium	274	mg/L			0.5	E200.7	07/21/05 11:06 / ts
Sulfate	3310	mg/L	D		8	E200.7	07/21/05 11:09 / ts
PHYSICAL PROPERTIES							
pH	7.27	s.u.			0.01	A4500-H B	07/18/05 11:47 / th
Solids, Total Dissolved TDS @ 180 C	6690	mg/L			10	A2540 C	07/18/05 13:10 / th
METALS - TOTAL							
Aluminum	ND	mg/L			0.1	E200.8	07/19/05 11:18 / bws
Beryllium	ND	mg/L			0.01	E200.8	07/19/05 11:18 / bws
Cadmium	ND	mg/L			0.005	E200.8	07/19/05 11:18 / bws
Cobalt	ND	mg/L			0.01	E200.8	07/19/05 11:18 / bws
Lead	ND	mg/L			0.05	E200.8	07/19/05 11:18 / bws
Manganese	2.08	mg/L			0.01	E200.8	07/19/05 11:18 / bws
Molybdenum	ND	mg/L			0.1	E200.8	07/19/05 11:18 / bws
Nickel	ND	mg/L			0.05	E200.8	07/19/05 11:18 / bws
Uranium	0.136	mg/L			0.0003	E200.8	07/19/05 11:18 / bws
Vanadium	ND	mg/L			0.1	E200.8	07/19/05 11:18 / bws
METALS - SPECIATED							
Arsenic-III	ND	mg/L			0.001	A3114 B	07/18/05 13:28 / sml
Selenium-IV	ND	mg/L			0.001	A3114 B	07/19/05 09:31 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L			1.0	E900.1	07/22/05 12:40 / rs
Lead 210	ND	pCi/L			1.0	NERHL-65-4	07/21/05 10:30 / ph
Radium 226	0.3	pCi/L			0.2	E903.0	07/19/05 15:00 / df
Radium 226 precision (±)	0.3	pCi/L				E903.0	07/19/05 15:00 / df
Radium 228	ND	pCi/L			1.0	E904.0	07/19/05 15:00 / pj
Thorium 230	ND	pCi/L			0.2	E907.0	07/21/05 10:30 / ph

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: Alluviurn
Lab ID: C05070603-003
Client Sample ID: 803

Report Date: 08/12/05
Collection Date: 07/11/05 10:20
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	3.04	%				Calculation	07/29/05 14:11 / smd
Anions	106	meq/L				Calculation	07/29/05 14:11 / smd
Cations	112	meq/L				Calculation	07/29/05 14:11 / smd
Solids, Total Dissolved Calculated	6370	mg/L				Calculation	07/29/05 14:11 / smd
TDS Balance (0.80 - 1.20)	1.05	dec. %				Calculation	07/29/05 14:11 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	2.9	ug/L		1.0		E624	07/20/05 14:14 / jlr
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	E624	07/20/05 14:14 / jlr
Surr: Dibromofluoromethane	117	%REC			70-130	E624	07/20/05 14:14 / jlr
Surr: p-Bromofluorobenzene	105	%REC			75-125	E624	07/20/05 14:14 / jlr
Surr: Toluene-d8	99.2	%REC			80-120	E624	07/20/05 14:14 / 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: C05100333-003
Client Sample ID: 803

Report Date: 11/01/05
Collection Date: 10/03/05 11:20
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	2070	mg/L		1		A2320 B	10/13/05 17:00 / th
Calcium	672	mg/L	D	0.6		E200.7	10/17/05 14:57 / ts
Chloride	172	mg/L		1		E200.7	10/24/05 11:08 / ts
Magnesium	768	mg/L	D	0.5		E200.7	10/17/05 14:57 / ts
Nitrogen, Ammonia as N	1.19	mg/L		0.05		A4500-NH3 G	10/10/05 16:07 / jal
Nitrogen, Nitrate+Nitrite as N	49.2	mg/L	D	0.6		E353.2	10/10/05 11:31 / jal
Potassium	11.6	mg/L		0.5		E200.7	10/17/05 15:13 / ts
Sodium	271	mg/L		0.5		E200.7	10/17/05 15:13 / ts
Sulfate	2950	mg/L	D	8		E200.7	10/17/05 14:57 / ts
PHYSICAL PROPERTIES							
pH	7.08	s.u.		0.01		A4500-H B	10/10/05 16:32 / jc
Solids, Total Dissolved TDS @ 180 C	6730	mg/L		10		A2540 C	10/10/05 13:26 / jc
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	10/17/05 15:13 / ts
Beryllium	ND	mg/L		0.01		E200.8	10/20/05 22:41 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/20/05 22:41 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/20/05 22:41 / sml
Lead	ND	mg/L		0.05		E200.8	10/20/05 22:41 / sml
Manganese	1.96	mg/L		0.01		E200.7	10/17/05 15:13 / ts
Molybdenum	ND	mg/L		0.1		E200.7	10/17/05 15:13 / ts
Nickel	ND	mg/L		0.05		E200.8	10/20/05 22:41 / sml
Uranium	0.140	mg/L		0.0003		E200.8	10/20/05 22:41 / sml
Vanadium	ND	mg/L		0.1		E200.7	10/17/05 15:13 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	10/12/05 11:10 / sl
Selenium-IV	ND	mg/L		0.001		A3114 B	10/12/05 14:28 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	10/14/05 13:00 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	10/14/05 10:30 / ph
Radium 226	ND	pCi/L		0.2		E903.0	10/12/05 14:40 / df
Radium 228	ND	pCi/L		1.0		RA-05	10/12/05 14:40 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	10/11/05 10:30 / ph

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: C05100333-003
Client Sample ID: 803

Report Date: 11/01/05
Collection Date: 10/03/05 11:20
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	2.49	%				Calculation	10/26/05 09:42 / dab
Anions	104	meq/L				Calculation	10/26/05 09:42 / dab
Cations	109	meq/L				Calculation	10/26/05 09:42 / dab
Solids, Total Dissolved Calculated	6100	mg/L				Calculation	10/26/05 09:42 / dab
TDS Balance (0.80 - 1.20)	1.10	dec. %				Calculation	10/26/05 09:42 / dab
VOLATILE ORGANIC COMPOUNDS							
Chloroform	2.6	ug/L		1.0		E624	10/13/05 19:31 / jlr
Surr: 1,2-Dichlorobenzene-d4	101	%REC			80-120	E624	10/13/05 19:31 / jlr
Surr: Dibromofluoromethane	102	%REC			70-130	E624	10/13/05 19:31 / jlr
Surr: p-Bromofluorobenzene	99.2	%REC			75-125	E624	10/13/05 19:31 / jlr
Surr: Toluene-d8	101	%REC			80-120	E624	10/13/05 19:31 / 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:		803	803	803	803		
Collection Date:		10/3/2005	7/11/2005	4/4/2005	1/3/2005		
Receive Date:		10/7/2005	7/15/2005	4/8/2005	1/7/2005		
Report Date:		10/31/2005	8/12/2005	4/29/2005	1/28/2005		
Analyte	Units	C05100333-003	C05070603-003	C05040333-003	C05010240-003		
Bicarbonate as HCO ₃	mg/L	2070	1700	1860	1830		
Calcium	mg/L	672	725	677	691		
Chloride	mg/L	172	182	159	159		
Magnesium	mg/L	768	774	726	735		
Nitrogen, Ammonia as N	mg/L	1.19	1.19	1.24	1.01		
Nitrogen, Nitrate+Nitrite as N	mg/L	49.2	53.9	31	49		
Potassium	mg/L	11.6	11.9	11.3	11.3		
Sodium	mg/L	271	274	276	272		
Sulfate	mg/L	2950	3310	3120	2970		
pH	s.u.	7.08	7.27	7.21	6.93		
Solids, Total Dissolved TDS @ 180 C	mg/L	6730	6690	6640	6890		
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	1.96	2.08	1.76	1.84		
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	0.140	0.136	0.118	0.144		
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)	1.9		
Gross Alpha minus Rn & U Precision (±)	pCi/L				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	ND(0.2)	0.3	1.0	0.4		
Radium 226 precision (±)	pCi/L		0.3	0.6	0.3		
Radium 228	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	1.8		
Radium 228 precision (±)	pCi/L				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)		2.49	3.04	1.85	3.63		
Anions		104	106	102	99.8		
Cations		109	112	106	107		
Solids, Total Dissolved Calculated		6100	6370	6040	5970		
TDS Balance (0.80 - 1.20)		1.10	1.05	1.10	1.15		
Chloroform	ug/L	2.6	2.9	2.8	1.9		

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

kls: r:\clients2005\unc_mining\unc_gallup-4th2005_final.xls



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C05070603-004
Client Sample ID: 808

Report Date: 08/12/05
Collection Date: 07/11/05 10:55
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	1670	mg/L		1		A2320 B	07/20/05 21:59 / sl
Calcium	750	mg/L	D	0.6		E200.7	07/21/05 11:15 / ts
Chloride	198	mg/L		1		E200.7	07/21/05 15:02 / ts
Magnesium	676	mg/L	D	0.5		E200.7	07/21/05 11:15 / ts
Nitrogen, Ammonia as N	0.09	mg/L		0.05		A4500-NH3 G	07/21/05 08:43 / jal
Nitrogen, Nitrate+Nitrile as N	125	mg/L	D	2		E353.2	07/18/05 12:58 / jal
Potassium	5.2	mg/L		0.5		E200.7	07/21/05 11:12 / ts
Sodium	286	mg/L		0.5		E200.7	07/21/05 11:12 / ts
Sulfate	2820	mg/L	D	8		E200.7	07/21/05 11:15 / ts
PHYSICAL PROPERTIES							
pH	7.19	s.u.		0.01		A4500-H B	07/18/05 11:49 / th
Solids, Total Dissolved TDS @ 180 C	6680	mg/L		10		A2540 C	07/18/05 13:10 / th
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	07/19/05 11:24 / bws
Beryllium	ND	mg/L		0.01		E200.8	07/19/05 11:24 / bws
Cadmium	ND	mg/L		0.005		E200.8	07/19/05 11:24 / bws
Cobalt	ND	mg/L		0.01		E200.8	07/19/05 11:24 / bws
Lead	ND	mg/L		0.05		E200.8	07/19/05 11:24 / bws
Manganese	0.62	mg/L		0.01		E200.8	07/19/05 11:24 / bws
Molybdenum	ND	mg/L		0.1		E200.8	07/19/05 11:24 / bws
Nickel	ND	mg/L		0.05		E200.8	07/19/05 11:24 / bws
Uranium	0.124	mg/L		0.0003		E200.8	07/19/05 11:24 / bws
Vanadium	ND	mg/L		0.1		E200.8	07/19/05 11:24 / bws
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	07/18/05 13:30 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	07/19/05 09:33 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	07/22/05 12:40 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	07/21/05 10:30 / ph
Radium 226	0.3	pCi/L		0.2		E903.0	07/19/05 15:00 / df
Radium 226 precision (±)	0.3	pCi/L				E903.0	07/19/05 15:00 / df
Radium 228	ND	pCi/L		1.0		E904.0	07/19/05 15:00 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	07/21/05 10:30 / ph

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: C05070603-004
Client Sample ID: 808

Report Date: 08/12/05
Collection Date: 07/11/05 10:55
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	2.48	%				Calculation	07/29/05 14:12 / smd
Anions	101	meq/L				Calculation	07/29/05 14:12 / smd
Cations	106	meq/L				Calculation	07/29/05 14:12 / smd
Solids, Total Dissolved Calculated	6130	mg/L				Calculation	07/29/05 14:12 / smd
TDS Balance (0.80 - 1.20)	1.09	dec. %				Calculation	07/29/05 14:12 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	8.7	ug/L		1.0		E624	07/20/05 14:50 / jlr
Surr: 1,2-Dichlorobenzene-d4	104	%REC			80-120	E624	07/20/05 14:50 / jlr
Surr: Dibromofluoromethane	119	%REC			70-130	E624	07/20/05 14:50 / jlr
Surr: p-Bromofluorobenzene	105	%REC			75-125	E624	07/20/05 14:50 / jlr
Surr: Toluene-d8	100	%REC			80-120	E624	07/20/05 14:50 / jlr

Report
Initiations: 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: C05100333-004
Client Sample ID: 808

Report Date: 11/01/05
Collection Date: 10/03/05 11:55
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	1840	mg/L		1		A2320 B	10/13/05 17:00 / th
Calcium	730	mg/L	D	0.6		E200.7	10/17/05 15:00 / ts
Chloride	169	mg/L		1		E200.7	10/17/05 13:43 / ts
Magnesium	695	mg/L	D	0.5		E200.7	10/17/05 15:00 / ts
Nitrogen, Ammonia as N	0.13	mg/L		0.05		A4500-NH3 G	10/10/05 16:13 / jal
Nitrogen, Nitrate+Nitrite as N	120	mg/L	D	3		E353.2	10/10/05 11:33 / jal
Potassium	4.8	mg/L		0.5		E200.7	10/17/05 13:43 / ts
Sodium	306	mg/L		0.5		E200.7	10/17/05 13:43 / ts
Sulfate	2610	mg/L	D	8		E200.7	10/17/05 15:00 / ts
PHYSICAL PROPERTIES							
pH	7.09	s.u.		0.01		A4500-H B	10/10/05 16:33 / jc
Solids, Total Dissolved TDS @ 180 C	6700	mg/L		10		A2540 C	10/10/05 13:26 / jc
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	10/17/05 13:43 / ts
Beryllium	ND	mg/L		0.01		E200.8	10/20/05 23:14 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/20/05 23:14 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/20/05 23:14 / sml
Lead	ND	mg/L		0.05		E200.8	10/20/05 23:14 / sml
Manganese	0.61	mg/L		0.01		E200.7	10/17/05 13:43 / ts
Molybdenum	ND	mg/L		0.1		E200.7	10/17/05 13:43 / ts
Nickel	ND	mg/L		0.05		E200.8	10/20/05 23:14 / sml
Uranium	0.134	mg/L		0.0003		E200.8	10/20/05 23:14 / sml
Vanadium	ND	mg/L		0.1		E200.7	10/17/05 13:43 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	10/12/05 11:12 / sl
Selenium-IV	ND	mg/L		0.001		A3114 B	10/12/05 14:30 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	10/14/05 13:00 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	10/14/05 10:30 / ph
Radium 226	ND	pCi/L		0.2		E903.0	10/12/05 14:40 / df
Radium 228	1.7	pCi/L		1.0		RA-05	10/12/05 14:40 / pj
Radium 228 precision (±)	0.9	pCi/L				RA-05	10/12/05 14:40 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	10/11/05 10:30 / ph

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: C05100333-004
Client Sample ID: 808

Report Date: 11/01/05
Collection Date: 10/03/05 11:55
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	4.59	%				Calculation	10/21/05 16:50 / smd
Anions	97.7	meq/L				Calculation	10/21/05 16:50 / smd
Cations	107	meq/L				Calculation	10/21/05 16:50 / smd
Solids, Total Dissolved Calculated	5970	mg/L				Calculation	10/21/05 16:50 / smd
TDS Balance (0.80 - 1.20)	1.12	dec. %				Calculation	10/21/05 16:50 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	7.3	ug/L		1.0		E624	10/13/05 20:09 / jlr
Surr: 1,2-Dichlorobenzene-d4	104	%REC			80-120	E624	10/13/05 20:09 / jlr
Surr: Dibromofluoromethane	102	%REC			70-130	E624	10/13/05 20:09 / jlr
Surr: p-Bromofluorobenzene	93.2	%REC			75-125	E624	10/13/05 20:09 / jlr
Surr: Toluene-d8	99.2	%REC			80-120	E624	10/13/05 20:09 / 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:		10/3/2005	7/11/2005	4/4/2005	1/3/2005		
Receive Date:		10/7/2005	7/15/2005	4/8/2005	1/7/2005		
Report Date:		10/31/2005	8/12/2005	4/29/2005	1/28/2005		
Analyte	Units	C05100333-004	C05070603-004	C05040333-004	C05010240-004		
Bicarbonate as HCO ₃	mg/L	1840	1670	1850	1800		
Calcium	mg/L	730	750	728	739		
Chloride	mg/L	169	198	168	174		
Magnesium	mg/L	695	676	641	663		
Nitrogen, Ammonia as N	mg/L	0.13	0.09	ND(0.05)	0.08		
Nitrogen, Nitrate+Nitrite as N	mg/L	120	125	94	110		
Potassium	mg/L	4.8	5.2	4.5	5.6		
Sodium	mg/L	306	286	304	301		
Sulfate	mg/L	2610	2820	2700	2620		
pH	s.u.	7.09	7.19	7.23	6.92		
Solids, Total Dissolved TDS @ 180 C	mg/L	6700	6680	6460	6880		
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	0.61	0.62	0.62	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	0.134	0.124	0.125	0.135		
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)	0.3		
Radium 226 precision (±)	pCi/L		0.3		0.2		
Radium 228	pCi/L	1.7	ND(1.0)	ND(1.0)	ND(1.0)		
Radium 228 precision (±)	pCi/L	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)		4.59	2.48	2.35	3.94		
Anions		97.7	101	97.7	96.8		
Cations		107	106	102	105		
Solids, Total Dissolved Calculated		5970	6130	5880	5890		
TDS Balance (0.80 - 1.20)		1.12	1.09	1.10	1.14		
Chloroform	ug/L	7.3	8.7	6.8	6.6		

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

kls: r:\clients2005\unc_mining\unc_gallup-4th2005_final.xls



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C05070603-008
Client Sample ID: GW-1

Report Date: 08/12/05
Collection Date: 07/11/05 14:35
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	1480	mg/L		1		A2320 B	07/21/05 10:43 / sl
Calcium	780	mg/L	D	0.6		E200.7	07/21/05 12:00 / ts
Chloride	247	mg/L		1		E200.7	07/21/05 11:57 / ts
Magnesium	648	mg/L	D	0.5		E200.7	07/21/05 12:00 / ts
Nitrogen, Ammonia as N	0.43	mg/L		0.05		A4500-NH3 G	07/21/05 08:57 / jal
Nitrogen, Nitrate+Nitrite as N	92	mg/L	D	3		E353.2	07/18/05 13:15 / jal
Potassium	5.7	mg/L		0.5		E200.7	07/21/05 11:57 / ts
Sodium	344	mg/L		0.5		E200.7	07/21/05 11:57 / ts
Sulfate	2900	mg/L	D	8		E200.7	07/21/05 12:00 / ts
PHYSICAL PROPERTIES							
pH	7.40	s.u.		0.01		A4500-H B	07/18/05 12:09 / th
Solids, Total Dissolved TDS @ 180 C	6360	mg/L		10		A2540 C	07/18/05 15:59 / th
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	07/19/05 20:43 / bws
Beryllium	ND	mg/L		0.01		E200.8	07/19/05 20:43 / bws
Cadmium	ND	mg/L		0.005		E200.8	07/19/05 20:43 / bws
Cobalt	ND	mg/L		0.01		E200.8	07/19/05 20:43 / bws
Lead	ND	mg/L		0.05		E200.8	07/19/05 20:43 / bws
Manganese	0.06	mg/L		0.01		E200.8	07/19/05 20:43 / bws
Molybdenum	ND	mg/L		0.1		E200.8	07/19/05 20:43 / bws
Nickel	ND	mg/L		0.05		E200.8	07/19/05 20:43 / bws
Uranium	0.0874	mg/L		0.0003		E200.8	07/19/05 20:43 / bws
Vanadium	ND	mg/L		0.1		E200.8	07/19/05 20:43 / bws
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	07/18/05 13:38 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	07/19/05 09:42 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	07/22/05 12:40 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	07/21/05 10:30 / ph
Radium 226	ND	pCi/L		0.2		E903.0	07/19/05 15:00 / df
Radium 228	ND	pCi/L		1.0		E904.0	07/19/05 15:00 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	07/21/05 10:30 / ph

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: C05070603-008
Client Sample ID: GW-1

Report Date: 08/12/05
Collection Date: 07/11/05 14:35
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	4.51	%				Calculation	07/29/05 14:16 / smd
Anions	98.1	meq/L				Calculation	07/29/05 14:16 / smd
Cations	107	meq/L				Calculation	07/29/05 14:16 / smd
Solids, Total Dissolved Calculated	6080	mg/L				Calculation	07/29/05 14:16 / smd
TDS Balance (0.80 - 1.20)	1.05	dec. %				Calculation	07/29/05 14:16 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	07/20/05 21:33 / jlr
Surr: 1,2-Dichlorobenzene-d4	104	%REC			80-120	E624	07/20/05 21:33 / jlr
Surr: Dibromofluoromethane	124	%REC			70-130	E624	07/20/05 21:33 / jlr
Surr: p-Bromofluorobenzene	104	%REC			75-125	E624	07/20/05 21:33 / jlr
Surr: Toluene-d8	101	%REC			80-120	E624	07/20/05 21:33 / 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: C05100333-012
Client Sample ID: GW-1

Report Date: 11/01/05
Collection Date: 10/04/05 11:30
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	1560	mg/L			1	A2320 B	10/13/05 17:00 / th
Calcium	711	mg/L	D		0.6	E200.7	10/18/05 14:52 / ts
Chloride	267	mg/L			1	E200.7	10/18/05 12:01 / ts
Magnesium	595	mg/L	D		0.5	E200.7	10/18/05 14:52 / ts
Nitrogen, Ammonia as N	0.23	mg/L			0.05	A4500-NH3 G	10/10/05 16:35 / jal
Nitrogen, Nitrate+Nitrite as N	85	mg/L	D		2	E353.2	10/10/05 12:08 / jal
Potassium	6.3	mg/L			0.5	E200.7	10/18/05 12:01 / ts
Sodium	352	mg/L			0.5	E200.7	10/18/05 12:01 / ts
Sulfate	2770	mg/L	D		8	E200.7	10/18/05 14:52 / ts
PHYSICAL PROPERTIES							
pH	7.24	s.u.			0.01	A4500-H B	10/10/05 16:45 / jc
Solids, Total Dissolved TDS @ 180 C	6420	mg/L			10	A2540 C	10/10/05 13:29 / jc
METALS - TOTAL							
Aluminum	ND	mg/L			0.1	E200.7	10/18/05 12:01 / ts
Beryllium	ND	mg/L			0.01	E200.8	10/21/05 01:00 / sml
Cadmium	ND	mg/L			0.005	E200.8	10/21/05 01:00 / sml
Cobalt	ND	mg/L			0.01	E200.8	10/21/05 01:00 / sml
Lead	ND	mg/L			0.05	E200.8	10/21/05 01:00 / sml
Manganese	0.05	mg/L			0.01	E200.7	10/18/05 12:01 / ts
Molybdenum	ND	mg/L			0.1	E200.7	10/18/05 12:01 / ts
Nickel	ND	mg/L			0.05	E200.8	10/21/05 01:00 / sml
Uranium	0.0934	mg/L			0.0003	E200.8	10/21/05 01:00 / sml
Vanadium	ND	mg/L			0.1	E200.7	10/18/05 12:01 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L			0.001	A3114 B	10/12/05 11:45 / sl
Selenium-IV	ND	mg/L			0.001	A3114 B	10/12/05 14:58 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L			1.0	E900.1	10/14/05 13:00 / rs
Lead 210	ND	pCi/L			1.0	NERHL-65-4	10/14/05 10:30 / ph
Radium 226	ND	pCi/L			0.2	E903.0	10/12/05 14:40 / df
Radium 228	ND	pCi/L			1.0	RA-05	10/12/05 14:40 / pj
Thorium 230	ND	pCi/L			0.2	E907.0	10/11/05 10:30 / ph

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: C05100333-012
Client Sample ID: GW-1

Report Date: 11/01/05
Collection Date: 10/04/05 11:30
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	1.61	%				Calculation	10/21/05 16:53 / smd
Anions	96.8	meq/L				Calculation	10/21/05 16:53 / smd
Cations	99.9	meq/L				Calculation	10/21/05 16:53 / smd
Solids, Total Dissolved Calculated	5860	mg/L				Calculation	10/21/05 16:53 / smd
TDS Balance (0.80 - 1.20)	1.10	dec. %				Calculation	10/21/05 16:53 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	10/14/05 05:38 / jlr
Surr: 1,2-Dichlorobenzene-d4	102	%REC			80-120	E624	10/14/05 05:38 / jlr
Surr: Dibromofluoromethane	108	%REC			70-130	E624	10/14/05 05:38 / jlr
Surr: p-Bromofluorobenzene	102	%REC			75-125	E624	10/14/05 05:38 / jlr
Surr: Toluene-d8	96.8	%REC			80-120	E624	10/14/05 05:38 / 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-1		GW-1		GW-1
Collection Date:			10/4/2005		7/11/2005		4/4/2005
Receive Date:			10/7/2005		7/15/2005		4/8/2005
Report Date:			10/31/2005		8/12/2005		4/29/2005
	Analyte	Units	C05100333-012		C05070603-008		C05040333-008
							C05010240-008
Bicarbonate as HCO ₃	mg/L	1560		1480		1560	1570
Calcium	mg/L	711		780		716	711
Chloride	mg/L	267		247		222	224
Magnesium	mg/L	595		648		579	575
Nitrogen, Ammonia as N	mg/L	0.23		0.43		0.22	0.28
Nitrogen, Nitrate+Nitrite as N	mg/L	85		92		88	89
Potassium	mg/L	6.3		5.7		5.4	5.8
Sodium	mg/L	352		344		350	350
Sulfate	mg/L	2770		2900		2680	2510
pH	s.u.	7.24		7.40		7.25	7.09
Solids, Total Dissolved TDS @ 180 C	mg/L	6420		6360		6250	6400
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	0.05		0.06		0.07	0.06
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	0.0934		0.0874		0.0874	0.0914
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)	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)		1.61		4.51		2.58	3.94
Anions		96.8		98.1		93.8	90.8
Cations		99.9		107		98.8	98.2
Solids, Total Dissolved Calculated		5860		6080		5720	5560
TDS Balance (0.80 - 1.20)		1.10		1.05		1.09	1.15
Chloroform	ug/L	ND(1.0)		ND(1.0)		ND(1.0)	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.

kls: r:\clients2005\unc_mining\unc_gallup-4th2005_final.xls



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C05070603-007
Client Sample ID: GW-2

Report Date: 08/12/05
Collection Date: 07/11/05 14:00
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	2350	mg/L		1		A2320 B	07/21/05 16:34 / sl
Calcium	780	mg/L	D	0.6		E200.7	07/21/05 11:54 / ts
Chloride	232	mg/L		1		E200.7	07/21/05 11:51 / ts
Magnesium	612	mg/L	D	0.5		E200.7	07/21/05 11:54 / ts
Nitrogen, Ammonia as N	0.13	mg/L		0.05		A4500-NH3 G	07/21/05 08:55 / jal
Nitrogen, Nitrate+Nitrite as N	6.2	mg/L	D	0.3		E353.2	07/18/05 13:08 / jal
Potassium	11.8	mg/L		0.5		E200.7	07/21/05 11:51 / ts
Sodium	376	mg/L		0.5		E200.7	07/21/05 11:51 / ts
Sulfate	2900	mg/L	D	8		E200.7	07/21/05 11:54 / ts
PHYSICAL PROPERTIES							
pH	7.10	s.u.		0.01		A4500-H B	07/18/05 12:06 / th
Solids, Total Dissolved TDS @ 180 C	6590	mg/L		10		A2540 C	07/18/05 13:12 / th
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	07/19/05 20:36 / bws
Beryllium	ND	mg/L		0.01		E200.8	07/19/05 20:36 / bws
Cadmium	ND	mg/L		0.005		E200.8	07/19/05 20:36 / bws
Cobalt	ND	mg/L		0.01		E200.8	07/19/05 20:36 / bws
Lead	ND	mg/L		0.05		E200.8	07/19/05 20:36 / bws
Manganese	0.75	mg/L		0.01		E200.8	07/19/05 20:36 / bws
Molybdenum	ND	mg/L		0.1		E200.8	07/19/05 20:36 / bws
Nickel	ND	mg/L		0.05		E200.8	07/19/05 20:36 / bws
Uranium	0.116	mg/L		0.0003		E200.8	07/19/05 20:36 / bws
Vanadium	ND	mg/L		0.1		E200.8	07/19/05 20:36 / bws
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	07/18/05 13:36 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	07/19/05 09:39 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	07/22/05 12:40 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	07/21/05 10:30 / ph
Radium 226	0.4	pCi/L		0.2		E903.0	07/19/05 15:00 / df
Radium 226 precision (±)	0.3	pCi/L				E903.0	07/19/05 15:00 / df
Radium 228	ND	pCi/L		1.0		E904.0	07/19/05 15:00 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	07/21/05 10:30 / ph

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: C05070603-007
Client Sample ID: GW-2

Report Date: 08/12/05
Collection Date: 07/11/05 14:00
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/ RL	QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	0.075	%				Calculation	07/29/05 14:16 / smd
Anions	106	meq/L				Calculation	07/29/05 14:16 / smd
Cations	106	meq/L				Calculation	07/29/05 14:16 / smd
Solids, Total Dissolved Calculated	6110	mg/L				Calculation	07/29/05 14:16 / smd
TDS Balance (0.80 - 1.20)	1.08	dec. %				Calculation	07/29/05 14:16 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	07/20/05 16:40 / jlr
Surr: 1,2-Dichlorobenzene-d4	107	%REC			80-120	E624	07/20/05 16:40 / jlr
Surr: Dibromofluoromethane	126	%REC			70-130	E624	07/20/05 16:40 / jlr
Surr: p-Bromofluorobenzene	104	%REC			75-125	E624	07/20/05 16:40 / jlr
Surr: Toluene-d8	101	%REC			80-120	E624	07/20/05 16:40 / 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: C05100333-007
Client Sample ID: GW-2

Report Date: 11/01/05
Collection Date: 10/03/05 15:14
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	2300	mg/L			1	A2320 B	10/13/05 17:00 / th
Calcium	815	mg/L	D		0.6	E200.7	10/18/05 14:28 / ts
Chloride	242	mg/L			1	E200.7	10/18/05 11:46 / ts
Magnesium	638	mg/L	D		0.5	E200.7	10/18/05 14:28 / ts
Nitrogen, Ammonia as N	0.08	mg/L			0.05	A4500-NH3 G	10/10/05 16:19 / jal
Nitrogen, Nitrate+Nitrite as N	7.6	mg/L	D		0.3	E353.2	10/10/05 11:48 / jal
Potassium	12.3	mg/L			0.5	E200.7	10/18/05 11:46 / ts
Sodium	376	mg/L			0.5	E200.7	10/18/05 11:46 / ts
Sulfate	3040	mg/L	D		8	E200.7	10/18/05 14:28 / ts
PHYSICAL PROPERTIES							
pH	7.02	s.u.			0.01	A4500-H B	10/10/05 16:38 / jc
Solids, Total Dissolved TDS @ 180 C	6730	mg/L			10	A2540 C	10/10/05 13:27 / jc
METALS - TOTAL							
Aluminum	ND	mg/L			0.1	E200.7	10/18/05 11:46 / ts
Beryllium	ND	mg/L			0.01	E200.8	10/20/05 23:41 / sml
Cadmium	ND	mg/L			0.005	E200.8	10/20/05 23:41 / sml
Cobalt	ND	mg/L			0.01	E200.8	10/20/05 23:41 / sml
Lead	ND	mg/L			0.05	E200.8	10/20/05 23:41 / sml
Manganese	0.81	mg/L			0.01	E200.7	10/18/05 11:46 / ts
Molybdenum	ND	mg/L			0.1	E200.7	10/18/05 11:46 / ts
Nickel	ND	mg/L			0.05	E200.8	10/20/05 23:41 / sml
Uranium	0.132	mg/L			0.0003	E200.8	10/20/05 23:41 / sml
Vanadium	ND	mg/L			0.1	E200.7	10/18/05 11:46 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L			0.001	A3114 B	10/12/05 11:18 / sl
Selenium-IV	ND	mg/L			0.001	A3114 B	10/12/05 14:36 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L			1.0	E900.1	10/14/05 13:00 / rs
Lead 210	ND	pCi/L			1.0	NERHL-65-4	10/27/05 13:00 / trs
Radium 226	ND	pCi/L			0.2	E903.0	10/12/05 14:40 / df
Radium 228	ND	pCi/L			1.0	RA-05	10/12/05 14:40 / pj
Thorium 230	ND	pCi/L			0.2	E907.0	10/11/05 10:30 / ph

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: C05100333-007
Client Sample ID: GW-2

Report Date: 11/01/05
Collection Date: 10/03/05 15:14
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	0.739	%				Calculation	10/21/05 16:51 / smd
Anions	108	meq/L				Calculation	10/21/05 16:51 / smd
Cations	110	meq/L				Calculation	10/21/05 16:51 / smd
Solids, Total Dissolved Calculated	6300	mg/L				Calculation	10/21/05 16:51 / smd
TDS Balance (0.80 - 1.20)	1.07	dec. %				Calculation	10/21/05 16:51 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	10/14/05 02:26 / jlr
Surr: 1,2-Dichlorobenzene-d4	101	%REC			80-120	E624	10/14/05 02:26 / jlr
Surr: Dibromofluoromethane	109	%REC			70-130	E624	10/14/05 02:26 / jlr
Surr: p-Bromofluorobenzene	99.6	%REC			75-125	E624	10/14/05 02:26 / jlr
Surr: Toluene-d8	99.2	%REC			80-120	E624	10/14/05 02:26 / 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:		10/3/2005	7/11/2005	4/4/2005	1/3/2005	
Receive Date:		10/7/2005	7/15/2005	4/8/2005	1/7/2005	
Report Date:		10/31/2005	8/12/2005	4/29/2005	1/28/2005	
Analyte	Units	C05100333-007	C05070603-007	C05040333-007	C05010240-007	
Bicarbonate as HCO ₃	mg/L	2300	2350	2360	2290	
Calcium	mg/L	815	780	809	836	
Chloride	mg/L	242	232	211	220	
Magnesium	mg/L	638	612	598	618	
Nitrogen, Ammonia as N	mg/L	0.08	0.13	ND(0.05)	0.08	
Nitrogen, Nitrate+Nitrite as N	mg/L	7.6	6.2	8.7	13.3	
Potassium	mg/L	12.3	11.8	11.0	12.0	
Sodium	mg/L	376	376	360	356	
Sulfate	mg/L	3040	2900	2810	2720	
pH	s.u.	7.02	7.10	6.99	6.85	
Solids, Total Dissolved TDS @ 180 C	mg/L	6730	6590	6370	6480	
Aluminum	mg/L	ND(0.1)	ND(0.1)	1.3	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)	0.011	ND(0.005)	
Cobalt	mg/L	ND(0.01)	ND(0.01)	0.01	ND(0.01)	
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	
Manganese	mg/L	0.81	0.75	0.82	0.75	
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	0.132	0.116	0.117	0.124	
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	ND(0.2)	0.4	
Radium 226 precision (±)	pCi/L		0.3		0.3	
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	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	
Thorium 230 precision (±)	pCi/L					
A/C Balance (± 5)		0.739	0.075	0.921	3.42	
Anions		108	106	104	101	
Cations		110	106	106	108	
Solids, Total Dissolved Calculated		6300	6110	6020	5960	
TDS Balance (0.80 - 1.20)		1.07	1.08	1.06	1.09	
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	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.**

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C05070603-014
Client Sample ID: GW-3

Report Date: 08/12/05
Collection Date: 07/12/05 11:23
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	1640	mg/L		1		A2320 B	07/21/05 12:07 / sl
Calcium	970	mg/L	D	0.6		E200.7	07/21/05 14:29 / ts
Chloride	170	mg/L		1		E200.7	07/21/05 14:26 / ts
Magnesium	319	mg/L	D	0.5		E200.7	07/21/05 14:29 / ts
Nitrogen, Ammonia as N	0.09	mg/L		0.05		A4500-NH3 G	07/21/05 09:13 / jal
Nitrogen, Nitrate+Nitrite as N	77	mg/L	D	2		E353.2	07/18/05 13:38 / jal
Potassium	7.8	mg/L		0.5		E200.7	07/21/05 14:26 / ts
Sodium	268	mg/L		0.5		E200.7	07/21/05 14:26 / ts
Sulfate	2110	mg/L	D	8		E200.7	07/21/05 14:29 / ts
PHYSICAL PROPERTIES							
pH	7.10	s.u.		0.01		A4500-H B	07/18/05 12:33 / th
Solids, Total Dissolved TDS @ 180 C	5190	mg/L		10		A2540 C	07/18/05 16:00 / th
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	07/19/05 21:56 / bws
Beryllium	ND	mg/L		0.01		E200.8	07/19/05 21:56 / bws
Cadmium	ND	mg/L		0.005		E200.8	07/19/05 21:56 / bws
Cobalt	ND	mg/L		0.01		E200.8	07/19/05 21:56 / bws
Lead	ND	mg/L		0.05		E200.8	07/19/05 21:56 / bws
Manganese	1.88	mg/L		0.01		E200.8	07/19/05 21:56 / bws
Molybdenum	ND	mg/L		0.1		E200.8	07/19/05 21:56 / bws
Nickel	ND	mg/L		0.05		E200.8	07/19/05 21:56 / bws
Uranium	0.107	mg/L		0.0003		E200.8	07/19/05 21:56 / bws
Vanadium	ND	mg/L		0.1		E200.8	07/19/05 21:56 / bws
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	07/18/05 14:01 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	07/19/05 10:09 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	07/22/05 12:40 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	07/21/05 10:30 / ph
Radium 226	ND	pCi/L		0.2		E903.0	07/19/05 15:00 / df
Radium 228	ND	pCi/L		1.0		E904.0	07/19/05 15:00 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	07/21/05 10:30 / ph

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: C05070603-014
Client Sample ID: GW-3

Report Date: 08/12/05
Collection Date: 07/12/05 11:23
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	3.28	%				Calculation	07/29/05 14:19 / smd
Anions	81.2	meq/L				Calculation	07/29/05 14:19 / smd
Cations	86.7	meq/L				Calculation	07/29/05 14:19 / smd
Solids, Total Dissolved Calculated	5010	mg/L				Calculation	07/29/05 14:19 / smd
TDS Balance (0.80 - 1.20)	1.04	dec. %				Calculation	07/29/05 14:19 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	07/21/05 07:54 / jlr
Surr: 1,2-Dichlorobenzene-d4	106	%REC			80-120	E624	07/21/05 07:54 / jlr
Surr: Dibromofluoromethane	120	%REC			70-130	E624	07/21/05 07:54 / jlr
Surr: p-Bromofluorobenzene	103	%REC			75-125	E624	07/21/05 07:54 / jlr
Surr: Toluene-d8	99.6	%REC			80-120	E624	07/21/05 07:54 / 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: C05100333-014
Client Sample ID: GW-3

Report Date: 11/01/05
Collection Date: 10/04/05 13:35
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	1680	mg/L		1		A2320 B	10/13/05 17:00 / th
Calcium	926	mg/L	D	0.6		E200.7	10/18/05 15:00 / ts
Chloride	178	mg/L		1		E200.7	10/18/05 13:24 / ts
Magnesium	314	mg/L	D	0.5		E200.7	10/18/05 15:00 / ts
Nitrogen, Ammonia as N	0.11	mg/L		0.05		A4500-NH3 G	10/10/05 16:45 / jal
Nitrogen, Nitrate+Nitrite as N	78	mg/L	D	2		E353.2	10/10/05 12:13 / jal
Potassium	8.6	mg/L		0.5		E200.7	10/18/05 13:24 / ts
Sodium	275	mg/L		0.5		E200.7	10/18/05 13:24 / ts
Sulfate	2120	mg/L	D	8		E200.7	10/18/05 15:00 / ts
PHYSICAL PROPERTIES							
pH	7.26	s.u.		0.01		A4500-H B	10/10/05 16:47 / jc
Solids, Total Dissolved TDS @ 180 C	5270	mg/L		10		A2540 C	10/10/05 13:31 / jc
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	10/18/05 13:24 / ts
Beryllium	ND	mg/L		0.01		E200.8	10/21/05 01:14 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/21/05 01:14 / sml
Cobalt	0.01	mg/L		0.01		E200.8	10/21/05 01:14 / sml
Lead	ND	mg/L		0.05		E200.8	10/21/05 01:14 / sml
Manganese	1.78	mg/L		0.01		E200.7	10/18/05 13:24 / ts
Molybdenum	ND	mg/L		0.1		E200.7	10/18/05 13:24 / ts
Nickel	ND	mg/L		0.05		E200.8	10/21/05 01:14 / sml
Uranium	0.118	mg/L		0.0003		E200.8	10/21/05 01:14 / sml
Vanadium	ND	mg/L		0.1		E200.7	10/18/05 13:24 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	10/12/05 11:50 / sl
Selenium-IV	ND	mg/L		0.001		A3114 B	10/12/05 15:01 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	10/14/05 13:00 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	10/14/05 10:30 / ph
Radium 226	ND	pCi/L		0.2		E903.0	10/12/05 14:40 / df
Radium 228	1.4	pCi/L		1.0		RA-05	10/12/05 14:40 / pj
Radium 228 precision (±)	0.9	pCi/L				RA-05	10/12/05 14:40 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	10/11/05 10:30 / ph

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: C05100333-014
Client Sample ID: GW-3

Report Date: 11/01/05
Collection Date: 10/04/05 13:35
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	1.17	%				Calculation	10/21/05 16:53 / smd
Anions	82.4	meq/L				Calculation	10/21/05 16:53 / smd
Cations	84.3	meq/L				Calculation	10/21/05 16:53 / smd
Solids, Total Dissolved Calculated	5010	mg/L				Calculation	10/21/05 16:53 / smd
TDS Balance (0.80 - 1.20)	1.05	dec. %				Calculation	10/21/05 16:53 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	10/14/05 06:54 / jlr
Surr: 1,2-Dichlorobenzene-d4	100	%REC			80-120	E624	10/14/05 06:54 / jlr
Surr: Dibromofluoromethane	111	%REC			70-130	E624	10/14/05 06:54 / jlr
Surr: p-Bromofluorobenzene	103	%REC			75-125	E624	10/14/05 06:54 / jlr
Surr: Toluene-d8	95.6	%REC			80-120	E624	10/14/05 06:54 / 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-3	GW-3	GW-3	GW-3	
Collection Date:		10/4/2005	7/12/2005	4/5/2005	1/4/2005	
Receive Date:		10/7/2005	7/15/2005	4/8/2005	1/7/2005	
Report Date:		10/31/2005	8/12/2005	4/29/2005	1/28/2005	
Analyte	Units	C05100333-014	C05070603-014	C05040333-014	C05010240-013	
Bicarbonate as HCO ₃	mg/L	1680	1640	1550	1730	
Calcium	mg/L	926	970	968	960	
Chloride	mg/L	178	170	168	171	
Magnesium	mg/L	314	319	328	316	
Nitrogen, Ammonia as N	mg/L	0.11	0.09	0.09	0.17	
Nitrogen, Nitrate+Nitrite as N	mg/L	78	77	71	86	
Potassium	mg/L	8.6	7.8	8.2	8.9	
Sodium	mg/L	275	268	283	281	
Sulfate	mg/L	2120	2110	2130	2050	
pH	s.u.	7.26	7.10	7.10	7.05	
Solids, Total Dissolved TDS @ 180 C	mg/L	5270	5190	5270	5560	
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(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	0.01	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	1.78	1.88	1.84	1.88	
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	0.107	0.112	0.116	
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)	2.6	
Gross Alpha minus Rn & U Precision (±)	pCi/L				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	ND(0.2)	ND(0.2)	ND(0.2)	0.2	
Radium 226 precision (±)	pCi/L				0.2	
Radium 228	pCi/L	1.4	ND(1.0)	ND(1.0)	ND(1.0)	
Radium 228 precision (±)	pCi/L	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)		1.17	3.28	5.00	2.75	
Anions		82.4	81.2	79.5	81.9	
Cations		84.3	86.7	87.9	86.6	
Solids, Total Dissolved Calculated		5010	5010	4980	5030	
TDS Balance (0.80 - 1.20)		1.05	1.04	1.06	1.11	
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	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.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C05070603-002
Client Sample ID: EPA-23

Report Date: 08/12/05
Collection Date: 07/11/05 09:50
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	1050	mg/L		1		A2320 B	07/20/05 21:36 / sl
Calcium	707	mg/L	D	0.6		E200.7	07/21/05 11:03 / ts
Chloride	87	mg/L		1		E200.7	07/21/05 14:56 / ts
Magnesium	413	mg/L	D	0.5		E200.7	07/21/05 11:03 / ts
Nitrogen, Ammonia as N	1.14	mg/L		0.05		A4500-NH3 G	07/21/05 08:39 / jal
Nitrogen, Nitrate+Nitrite as N	0.2	mg/L		0.1		E353.2	07/18/05 12:45 / jal
Potassium	10.2	mg/L		0.5		E200.7	07/21/05 11:00 / ts
Sodium	135	mg/L		0.5		E200.7	07/21/05 11:00 / ts
Sulfate	2440	mg/L	D	8		E200.7	07/21/05 11:03 / ts
PHYSICAL PROPERTIES							
pH	7.35	s.u.		0.01		A4500-H B	07/18/05 11:45 / th
Solids, Total Dissolved TDS @ 180 C	4460	mg/L		10		A2540 C	07/18/05 13:10 / th
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	07/19/05 11:11 / bws
Beryllium	ND	mg/L		0.01		E200.8	07/19/05 11:11 / bws
Cadmium	ND	mg/L		0.005		E200.8	07/19/05 11:11 / bws
Cobalt	ND	mg/L		0.01		E200.8	07/19/05 11:11 / bws
Lead	ND	mg/L		0.05		E200.8	07/19/05 11:11 / bws
Manganese	5.12	mg/L		0.01		E200.8	07/19/05 11:11 / bws
Molybdenum	ND	mg/L		0.1		E200.8	07/19/05 11:11 / bws
Nickel	ND	mg/L		0.05		E200.8	07/19/05 11:11 / bws
Uranium	0.0252	mg/L		0.0003		E200.8	07/19/05 11:11 / bws
Vanadium	ND	mg/L		0.1		E200.8	07/19/05 11:11 / bws
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	07/18/05 13:26 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	07/19/05 09:29 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	07/22/05 12:40 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	07/21/05 10:30 / ph
Radium 226	ND	pCi/L		0.2		E903.0	07/19/05 15:00 / df
Radium 228	ND	pCi/L		1.0		E904.0	07/19/05 15:00 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	07/21/05 10:30 / ph

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: C05070603-002
Client Sample ID: EPA-23

Report Date: 08/12/05
Collection Date: 07/11/05 09:50
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	3.95	%				Calculation	07/29/05 14:11 / smd
Anions	70.4	meq/L				Calculation	07/29/05 14:11 / smd
Cations	76.2	meq/L				Calculation	07/29/05 14:11 / smd
Solids, Total Dissolved Calculated	4320	mg/L				Calculation	07/29/05 14:11 / smd
TDS Balance (0.80 - 1.20)	1.03	dec. %				Calculation	07/29/05 14:11 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	07/20/05 13:37 / jlr
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	E624	07/20/05 13:37 / jlr
Surr: Dibromofluoromethane	112	%REC			70-130	E624	07/20/05 13:37 / jlr
Surr: p-Bromofluorobenzene	104	%REC			75-125	E624	07/20/05 13:37 / jlr
Surr: Toluene-d8	101	%REC			80-120	E624	07/20/05 13:37 / 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: C05100333-002
Client Sample ID: EPA-23

Report Date: 11/01/05
Collection Date: 10/03/05 10:25
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	1120	mg/L		1		A2320 B	10/13/05 17:00 / th
Calcium	650	mg/L	D	0.6		E200.7	10/17/05 14:27 / ts
Chloride	85	mg/L		1		E200.7	10/17/05 15:10 / ts
Magnesium	408	mg/L	D	0.5		E200.7	10/17/05 14:27 / ts
Nitrogen, Ammonia as N	1.11	mg/L		0.05		A4500-NH3 G	10/10/05 16:05 / jal
Nitrogen, Nitrate+Nitrite as N	0.4	mg/L		0.1		E353.2	10/10/05 11:28 / jal
Potassium	10.2	mg/L		0.5		E200.7	10/17/05 15:10 / ts
Sodium	130	mg/L		0.5		E200.7	10/17/05 15:10 / ts
Sulfate	2170	mg/L	D	8		E200.7	10/17/05 14:27 / ts
PHYSICAL PROPERTIES							
pH	7.21	s.u.		0.01		A4500-H B	10/10/05 16:31 / jc
Solids, Total Dissolved TDS @ 180 C	4480	mg/L		10		A2540 C	10/10/05 13:25 / jc
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	10/20/05 22:34 / sml
Beryllium	ND	mg/L		0.01		E200.8	10/20/05 22:34 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/20/05 22:34 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/20/05 22:34 / sml
Lead	ND	mg/L		0.05		E200.8	10/20/05 22:34 / sml
Manganese	5.15	mg/L		0.01		E200.7	10/17/05 15:10 / ts
Molybdenum	ND	mg/L		0.1		E200.7	10/17/05 15:10 / ts
Nickel	ND	mg/L		0.05		E200.8	10/20/05 22:34 / sml
Uranium	0.0261	mg/L		0.0003		E200.8	10/20/05 22:34 / sml
Vanadium	ND	mg/L		0.1		E200.7	10/17/05 15:10 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	10/12/05 11:08 / sl
Selenium-IV	ND	mg/L		0.001		A3114 B	10/12/05 14:26 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	10/14/05 13:00 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	10/14/05 10:30 / ph
Radium 226	ND	pCi/L		0.2		E903.0	10/12/05 14:40 / df
Radium 228	1.2	pCi/L		1.0		RA-05	10/12/05 14:40 / pj
Radium 228 precision (±)	0.9	pCi/L				RA-05	10/12/05 14:40 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	10/11/05 10:30 / ph

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: C05100333-002
Client Sample ID: EPA-23

Report Date: 11/01/05
Collection Date: 10/03/05 10:25
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/ RL QCL	Method	Analysis Date / By
DATA QUALITY						
A/C Balance (± 5)	4.71	%			Calculation	10/21/05 16:49 / smd
Anions	65.9	meq/L			Calculation	10/21/05 16:49 / smd
Cations	72.4	meq/L			Calculation	10/21/05 16:49 / smd
Solids, Total Dissolved Calculated	4010	mg/L			Calculation	10/21/05 16:49 / smd
TDS Balance (0.80 - 1.20)	1.12	dec. %			Calculation	10/21/05 16:49 / smd
VOLATILE ORGANIC COMPOUNDS						
Chloroform	ND	ug/L		1.0	E624	10/13/05 18:52 / jlr
Surr: 1,2-Dichlorobenzene-d4	104	%REC		80-120	E624	10/13/05 18:52 / jlr
Surr: Dibromofluoromethane	100	%REC		70-130	E624	10/13/05 18:52 / jlr
Surr: p-Bromofluorobenzene	92.8	%REC		75-125	E624	10/13/05 18:52 / jlr
Surr: Toluene-d8	100	%REC		80-120	E624	10/13/05 18:52 / jlr

Report RIL - 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:		10/3/2005	7/11/2005	4/4/2005	1/3/2005	
Receive Date:		10/7/2005	7/15/2005	4/8/2005	1/7/2005	
Report Date:		10/31/2005	8/12/2005	4/29/2005	1/28/2005	
Analyte	Units	C05100333-002	C05070603-002	C05040333-002	C05010240-002	
Bicarbonate as HCO ₃	mg/L	1120	1050	1120	1070	
Calcium	mg/L	650	707	649	652	
Chloride	mg/L	85	87	80	79	
Magnesium	mg/L	408	413	380	381	
Nitrogen, Ammonia as N	mg/L	1.11	1.14	1.09	1.34	
Nitrogen, Nitrate+Nitrite as N	mg/L	0.4	0.2	0.6	1.2	
Potassium	mg/L	10.2	10.2	9.8	10.4	
Sodium	mg/L	130	135	134	134	
Sulfate	mg/L	2170	2440	2250	2160	
pH	s.u.	7.21	7.35	7.36	7.12	
Solids, Total Dissolved TDS @ 180 C	mg/L	4480	4460	4400	4590	
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	5.15	5.12	5.20	4.90	
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	0.0261	0.0252	0.0246	0.0265	
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	1.2	ND(1.0)	3.5	ND(1.0)	
Radium 228 precision (±)	pCi/L	0.9		2.9		
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)		4.71	3.95	2.14	4.39	
Anions		65.9	70.4	67.4	64.8	
Cations		72.4	76.2	70.4	70.8	
Solids, Total Dissolved Calculated		4010	4320	4070	3960	
TDS Balance (0.80 - 1.20)		1.12	1.03	1.08	1.16	
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	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.

kls: r:\clients\2005\unc_mining\unc_gallup-4th2005_final.xls

LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C05070603-015
Client Sample ID: EPA-25

Report Date: 08/12/05
Collection Date: 07/12/05 13:15
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	833	mg/L			1	A2320 B	07/21/05 12:16 / sl
Calcium	744	mg/L	D		0.6	E200.7	07/21/05 14:35 / ts
Chloride	91	mg/L			1	E200.7	07/21/05 14:32 / ts
Magnesium	236	mg/L	D		0.5	E200.7	07/21/05 14:35 / ts
Nitrogen, Ammonia as N	0.13	mg/L			0.05	A4500-NH3 G	07/21/05 09:15 / jal
Nitrogen, Nitrate+Nitrite as N	91	mg/L	D		2	E353.2	07/18/05 13:40 / jal
Potassium	6.9	mg/L			0.5	E200.7	07/21/05 14:32 / ts
Sodium	169	mg/L			0.5	E200.7	07/21/05 14:32 / ts
Sulfate	1740	mg/L	D		8	E200.7	07/21/05 14:35 / ts
PHYSICAL PROPERTIES							
pH	7.33	s.u.			0.01	A4500-H B	07/18/05 12:35 / th
Solids, Total Dissolved TDS @ 180 C	4060	mg/L			10	A2540 C	07/18/05 16:01 / th
METALS - TOTAL							
Aluminum	ND	mg/L			0.1	E200.8	07/20/05 01:25 / bws
Beryllium	ND	mg/L			0.01	E200.8	07/20/05 01:25 / bws
Cadmium	ND	mg/L			0.005	E200.8	07/20/05 01:25 / bws
Cobalt	ND	mg/L			0.01	E200.8	07/20/05 01:25 / bws
Lead	ND	mg/L			0.05	E200.8	07/20/05 01:25 / bws
Manganese	2.39	mg/L			0.01	E200.8	07/20/05 01:25 / bws
Molybdenum	ND	mg/L			0.1	E200.8	07/20/05 01:25 / bws
Nickel	ND	mg/L			0.05	E200.8	07/20/05 01:25 / bws
Uranium	0.0946	mg/L			0.0003	E200.8	07/20/05 01:25 / bws
Vanadium	ND	mg/L			0.1	E200.8	07/20/05 01:25 / bws
METALS - SPECIATED							
Arsenic-III	ND	mg/L			0.001	A3114 B	07/18/05 14:03 / sml
Selenium-IV	ND	mg/L			0.001	A3114 B	07/19/05 10:11 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L			1.0	E900.1	07/22/05 12:40 / rs
Lead 210	ND	pCi/L			1.0	NERHL-65-4	07/21/05 10:30 / ph
Radium 226	ND	pCi/L			0.2	E903.0	07/19/05 15:00 / df
Radium 228	ND	pCi/L			1.0	E904.0	07/19/05 15:00 / pj
Thorium 230	ND	pCi/L			0.2	E907.0	07/21/05 10:30 / ph

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: C05070603-015
Client Sample ID: EPA-25

Report Date: 08/12/05
Collection Date: 07/12/05 13:15
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	4.20	%				Calculation	07/29/05 14:20 / smd
Anions	59.0	meq/L				Calculation	07/29/05 14:20 / smd
Cations	64.2	meq/L				Calculation	07/29/05 14:20 / smd
Solids, Total Dissolved Calculated	3820	mg/L				Calculation	07/29/05 14:20 / smd
TDS Balance (0.80 - 1.20)	1.06	dec. %				Calculation	07/29/05 14:20 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	07/21/05 08:30 / jlr
Surr: 1,2-Dichlorobenzene-d4	106	%REC			80-120	E624	07/21/05 08:30 / jlr
Surr: Dibromofluoromethane	124	%REC			70-130	E624	07/21/05 08:30 / jlr
Surr: p-Bromofluorobenzene	103	%REC			75-125	E624	07/21/05 08:30 / jlr
Surr: Toluene-d8	99.6	%REC			80-120	E624	07/21/05 08:30 / 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: C05100333-015
Client Sample ID: EPA-25

Report Date: 11/01/05
Collection Date: 10/04/05 14:20
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	891	mg/L			1	A2320 B	10/13/05 17:00 / th
Calcium	727	mg/L	D		0.6	E200.7	10/18/05 15:03 / ts
Chloride	99	mg/L			1	E200.7	10/18/05 13:28 / ts
Magnesium	231	mg/L	D		0.5	E200.7	10/18/05 15:03 / ts
Nitrogen, Ammonia as N	0.09	mg/L			0.05	A4500-NH3 G	10/10/05 16:47 / jal
Nitrogen, Nitrate+Nitrite as N	84	mg/L	D		2	E353.2	10/10/05 12:21 / jal
Potassium	7.9	mg/L			0.5	E200.7	10/18/05 13:28 / ts
Sodium	170	mg/L			0.5	E200.7	10/18/05 13:28 / ts
Sulfate	1770	mg/L	D		8	E200.7	10/18/05 15:03 / ts
PHYSICAL PROPERTIES							
pH	7.46	s.u.			0.01	A4500-H B	10/10/05 16:50 / jc
Solids, Total Dissolved TDS @ 180 C	4100	mg/L			10	A2540 C	10/10/05 13:31 / jc
METALS - TOTAL							
Aluminum	ND	mg/L			0.1	E200.7	10/18/05 13:28 / ts
Beryllium	ND	mg/L			0.01	E200.8	10/21/05 01:20 / sml
Cadmium	ND	mg/L			0.005	E200.8	10/21/05 01:20 / sml
Cobalt	ND	mg/L			0.01	E200.8	10/21/05 01:20 / sml
Lead	ND	mg/L			0.05	E200.8	10/21/05 01:20 / sml
Manganese	2.23	mg/L			0.01	E200.7	10/18/05 13:28 / ts
Molybdenum	ND	mg/L			0.1	E200.7	10/18/05 13:28 / ts
Nickel	ND	mg/L			0.05	E200.8	10/21/05 01:20 / sml
Uranium	0.102	mg/L			0.0003	E200.8	10/21/05 01:20 / sml
Vanadium	ND	mg/L			0.1	E200.7	10/18/05 13:28 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L			0.001	A3114 B	10/12/05 11:52 / sl
Selenium-IV	ND	mg/L			0.001	A3114 B	10/12/05 15:03 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.4	pCi/L			1.0	E900.1	10/14/05 13:00 / rs
Gross Alpha minus Rn & U Precision (±)	0.9	pCi/L				E900.1	10/14/05 13:00 / rs
Lead 210	ND	pCi/L			1.0	NERHL-65-4	10/14/05 10:30 / ph
Radium 226	ND	pCi/L			0.2	E903.0	10/12/05 14:40 / df
Radium 228	2.0	pCi/L			1.0	RA-05	10/12/05 14:40 / pj
Radium 228 precision (±)	0.9	pCi/L				RA-05	10/12/05 14:40 / pj
Thorium 230	ND	pCi/L			0.2	E907.0	10/11/05 10:30 / ph

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: C05100333-015
Client Sample ID: EPA-25

Report Date: 11/01/05
Collection Date: 10/04/05 14:20
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	2.34	%				Calculation	10/21/05 16:53 / smd
Anions	60.1	meq/L				Calculation	10/21/05 16:53 / smd
Cations	63.0	meq/L				Calculation	10/21/05 16:53 / smd
Solids, Total Dissolved Calculated	3820	mg/L				Calculation	10/21/05 16:53 / smd
TDS Balance (0.80 - 1.20)	1.07	dec. %				Calculation	10/21/05 16:53 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	10/14/05 07:32 / jlr
Surr: 1,2-Dichlorobenzene-d4	103	%REC			80-120	E624	10/14/05 07:32 / jlr
Surr: Dibromofluoromethane	110	%REC			70-130	E624	10/14/05 07:32 / jlr
Surr: p-Bromofluorobenzene	97.6	%REC			75-125	E624	10/14/05 07:32 / jlr
Surr: Toluene-d8	95.2	%REC			80-120	E624	10/14/05 07:32 / 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	
Collection Date:	10/4/2005		7/12/2005		4/5/2005	
Receive Date:	10/7/2005		7/15/2005		4/8/2005	
Report Date:	10/31/2005		8/12/2005		4/29/2005	
Analyte	Units	C05100333-015	C05070603-015	C05040333-015	C05010240-014	
Bicarbonate as HCO ₃	mg/L	891	833	821	892	
Calcium	mg/L	727	744	744	730	
Chloride	mg/L	99	91	91	90	
Magnesium	mg/L	231	236	244	227	
Nitrogen, Ammonia as N	mg/L	0.09	0.13	0.10	0.18	
Nitrogen, Nitrate+Nitrite as N	mg/L	84	91	87	97	
Potassium	mg/L	7.9	6.9	7.6	8.2	
Sodium	mg/L	170	169	176	166	
Sulfate	mg/L	1770	1740	1770	1640	
pH	s.u.	7.46	7.33	7.40	7.34	
Solids, Total Dissolved TDS @ 180 C	mg/L	4100	4060	4020	4210	
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	2.23	2.39	2.00	2.29	
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	0.102	0.0946	0.0997	0.101	
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	ND(1.0)	ND(1.0)	ND(1.0)	
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)	ND(0.2)	ND(0.2)	
Radium 226 precision (±)	pCi/L					
Radium 228	pCi/L	2.0	ND(1.0)	ND(1.0)	1.6	
Radium 228 precision (±)	pCi/L	0.9			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)		2.34	4.20	4.95	3.66	
Anions		60.1	59.0	59.0	58.3	
Cations		63.0	64.2	65.2	62.7	
Solids, Total Dissolved Calculated		3820	3820	3830	3740	
TDS Balance (0.80 - 1.20)		1.07	1.06	1.05	1.13	
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	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.

kls: r:\clients2005\unc_mining\unc_gallup-4th2005_final.xls

LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C05070603-013
Client Sample ID: EPA-28

Report Date: 08/12/05
Collection Date: 07/12/05 10:34
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/ RL QCL		Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	702	mg/L		1		A2320 B	07/21/05 11:55 / sl
Calcium	595	mg/L	D	0.6		E200.7	07/21/05 14:20 / ts
Chloride	139	mg/L		1		E200.7	07/21/05 14:17 / ts
Magnesium	534	mg/L	D	0.5		E200.7	07/21/05 14:20 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	07/21/05 09:11 / jal
Nitrogen, Nitrate+Nitrite as N	37.1	mg/L	D	0.6		E353.2	07/18/05 13:35 / jal
Potassium	11.8	mg/L		0.5		E200.7	07/21/05 14:17 / ts
Sodium	207	mg/L		0.5		E200.7	07/21/05 14:17 / ts
Sulfate	2900	mg/L	D	8		E200.7	07/21/05 14:20 / ts
PHYSICAL PROPERTIES							
pH	7.51	s.u.		0.01		A4500-H B	07/18/05 12:30 / th
Solids, Total Dissolved TDS @ 180 C	5110	mg/L		10		A2540 C	07/18/05 16:00 / th
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	07/19/05 21:23 / bws
Beryllium	ND	mg/L		0.01		E200.8	07/19/05 21:23 / bws
Cadmium	ND	mg/L		0.005		E200.8	07/19/05 21:23 / bws
Cobalt	ND	mg/L		0.01		E200.8	07/19/05 21:23 / bws
Lead	ND	mg/L		0.05		E200.8	07/19/05 21:23 / bws
Manganese	0.55	mg/L		0.01		E200.8	07/19/05 21:23 / bws
Molybdenum	ND	mg/L		0.1		E200.8	07/19/05 21:23 / bws
Nickel	ND	mg/L		0.05		E200.8	07/19/05 21:23 / bws
Uranium	0.0418	mg/L		0.0003		E200.8	07/19/05 21:23 / bws
Vanadium	ND	mg/L		0.1		E200.8	07/19/05 21:23 / bws
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	07/18/05 13:59 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	07/19/05 10:07 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.2	pCi/L		1.0		E900.1	07/22/05 12:40 / rs
Gross Alpha minus Rn & U Precision (±)	0.7	pCi/L				E900.1	07/22/05 12:40 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	07/21/05 10:30 / ph
Radium 226	0.6	pCi/L		0.2		E903.0	07/19/05 15:00 / df
Radium 226 precision (±)	0.5	pCi/L				E903.0	07/19/05 15:00 / df
Radium 228	ND	pCi/L		1.0		E904.0	07/19/05 15:00 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	07/21/05 10:30 / ph

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: C05070603-013
Client Sample ID: EPA-28

Report Date: 08/12/05
Collection Date: 07/12/05 10:34
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	2.79	%				Calculation	07/29/05 14:19 / smd
Anions	78.5	meq/L				Calculation	07/29/05 14:19 / smd
Cations	83.0	meq/L				Calculation	07/29/05 14:19 / smd
Solids, Total Dissolved Calculated	4910	mg/L				Calculation	07/29/05 14:19 / smd
TDS Balance (0.80 - 1.20)	1.04	dec. %				Calculation	07/29/05 14:19 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	07/21/05 00:37 / jlr
Surr: 1,2-Dichlorobenzene-d4	109	%REC			80-120	E624	07/21/05 00:37 / jlr
Surr: Dibromofluoromethane	120	%REC			70-130	E624	07/21/05 00:37 / jlr
Surr: p-Bromofluorobenzene	108	%REC			75-125	E624	07/21/05 00:37 / jlr
Surr: Toluene-d8	101	%REC			80-120	E624	07/21/05 00:37 / 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: C05100333-011
Client Sample ID: EPA-28

Report Date: 11/01/05
Collection Date: 10/04/05 10:55
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	671	mg/L		1		A2320 B	10/13/05 17:00 / th
Calcium	544	mg/L	D	0.6		E200.7	10/18/05 14:49 / ts
Chloride	136	mg/L		1		E200.7	10/18/05 11:58 / ts
Magnesium	513	mg/L	D	0.5		E200.7	10/18/05 14:49 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	10/10/05 16:33 / jal
Nitrogen, Nitrate+Nitrite as N	28	mg/L	D	2		E353.2	10/10/05 12:06 / jal
Potassium	12.2	mg/L		0.5		E200.7	10/18/05 11:58 / ts
Sodium	215	mg/L		0.5		E200.7	10/18/05 11:58 / ts
Sulfate	2900	mg/L	D	8		E200.7	10/18/05 14:49 / ts
PHYSICAL PROPERTIES							
pH	7.30	s.u.		0.01		A4500-H B	10/10/05 16:41 / jc
Solids, Total Dissolved TDS @ 180 C	5150	mg/L		10		A2540 C	10/10/05 13:29 / jc
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	10/18/05 11:58 / ts
Beryllium	ND	mg/L		0.01		E200.8	10/21/05 00:54 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/21/05 00:54 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/21/05 00:54 / sml
Lead	ND	mg/L		0.05		E200.8	10/21/05 00:54 / sml
Manganese	0.52	mg/L		0.01		E200.7	10/18/05 11:58 / ts
Molybdenum	ND	mg/L		0.1		E200.7	10/18/05 11:58 / ts
Nickel	ND	mg/L		0.05		E200.8	10/21/05 00:54 / sml
Uranium	0.0408	mg/L		0.0003		E200.8	10/21/05 00:54 / sml
Vanadium	ND	mg/L		0.1		E200.7	10/18/05 11:58 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	10/12/05 11:43 / sl
Selenium-IV	ND	mg/L		0.001		A3114 B	10/12/05 14:56 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.4	pCi/L		1.0		E900.1	10/14/05 13:00 / rs
Gross Alpha minus Rn & U Precision (±)	1.0	pCi/L				E900.1	10/14/05 13:00 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	10/14/05 10:30 / ph
Radium 226	0.4	pCi/L		0.2		E903.0	10/12/05 14:40 / df
Radium 226 precision (±)	0.4	pCi/L				E903.0	10/12/05 14:40 / df
Radium 228	1.4	pCi/L		1.0		RA-05	10/12/05 14:40 / pj
Radium 228 precision (±)	0.9	pCi/L				RA-05	10/12/05 14:40 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	10/11/05 10:30 / ph

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: C05100333-011
Client Sample ID: EPA-28

Report Date: 11/01/05
Collection Date: 10/04/05 10:55
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	1.22	%				Calculation	10/21/05 16:52 / smd
Anions	77.2	meq/L				Calculation	10/21/05 16:52 / smd
Cations	79.1	meq/L				Calculation	10/21/05 16:52 / smd
Solids, Total Dissolved Calculated	4780	mg/L				Calculation	10/21/05 16:52 / smd
TDS Balance (0.80 - 1.20)	1.08	dec. %				Calculation	10/21/05 16:52 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	10/14/05 04:59 / jlr
Surr: 1,2-Dichlorobenzene-d4	100	%REC			80-120	E624	10/14/05 04:59 / jlr
Surr: Dibromofluoromethane	108	%REC			70-130	E624	10/14/05 04:59 / jlr
Surr: p-Bromofluorobenzene	99.2	%REC			75-125	E624	10/14/05 04:59 / jlr
Surr: Toluene-d8	96.0	%REC			80-120	E624	10/14/05 04:59 / 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: Alluvium Monitor Wells						
Well ID:	EPA-28		EPA-28		EPA-28	
Collection Date:	10/4/2005		7/12/2005		4/5/2005	
Receive Date:	10/7/2005		7/15/2005		4/8/2005	
Report Date:	10/31/2005		8/12/2005		4/29/2005	
	Analyte	Units	C05100333-011	C05070603-013	C05040333-012	C05010240-012
Bicarbonate as HCO ₃	mg/L	671	702	724	702	
Calcium	mg/L	544	595	554	560	
Chloride	mg/L	136	139	127	118	
Magnesium	mg/L	513	534	516	521	
Nitrogen, Ammonia as N	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	0.07	
Nitrogen, Nitrate+Nitrite as N	mg/L	28	37.1	38.4	39.1	
Potassium	mg/L	12.2	11.8	11.9	11.7	
Sodium	mg/L	215	207	214	213	
Sulfate	mg/L	2900	2900	2750	2750	
pH	s.u.	7.30	7.51	7.55	7.22	
Solids, Total Dissolved TDS @ 180 C	mg/L	5150	5110	5170	5280	
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	0.52	0.55	0.50	0.50	
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	0.0408	0.0418	0.0459	0.0445	
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	1.2	ND(1.0)	2.1	
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.0	0.7		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	0.4	0.6	0.7	0.6	
Radium 226 precision (±)	pCi/L	0.4	0.5	0.6	0.3	
Radium 228	pCi/L	1.4	ND(1.0)	ND(1.0)	ND(1.0)	
Radium 228 precision (±)	pCi/L	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)		1.22	2.79	2.82	3.54	
Anions		77.2	78.5	75.4	74.9	
Cations		79.1	83.0	79.7	80.4	
Solids, Total Dissolved Calculated		4780	4910	4710	4700	
TDS Balance (0.80 - 1.20)		1.08	1.04	1.10	1.12	
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	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.

kls: r:\clients\2005\unc_mining\unc_gallup-4th2005_final.xls

LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C05070603-010
Client Sample ID: SBL-1

Report Date: 08/12/05
Collection Date: 07/12/05 08:55
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	432	mg/L		1		A2320 B	07/21/05 11:04 / sl
Calcium	466	mg/L	D	0.6		E200.7	07/21/05 12:21 / ts
Chloride	97	mg/L		1		E200.7	07/21/05 12:09 / ts
Magnesium	896	mg/L	D	0.5		E200.7	07/21/05 12:21 / ts
Nitrogen, Ammonia as N	0.29	mg/L		0.05		A4500-NH3 G	07/21/05 09:01 / jal
Nitrogen, Nitrate+Nitrite as N	35.7	mg/L	D	0.6		E353.2	07/18/05 13:20 / jal
Potassium	12.4	mg/L		0.5		E200.7	07/21/05 12:09 / ts
Sodium	384	mg/L		0.5		E200.7	07/21/05 12:09 / ts
Sulfate	5120	mg/L		1		E200.7	07/21/05 12:09 / ts
PHYSICAL PROPERTIES							
pH	7.53	s.u.		0.01		A4500-H B	07/18/05 12:19 / th
Solids, Total Dissolved TDS @ 180 C	8860	mg/L		10		A2540 C	07/18/05 16:00 / th
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	07/19/05 20:56 / bws
Beryllium	ND	mg/L		0.01		E200.8	07/19/05 20:56 / bws
Cadmium	ND	mg/L		0.005		E200.8	07/19/05 20:56 / bws
Cobalt	0.01	mg/L		0.01		E200.8	07/19/05 20:56 / bws
Lead	ND	mg/L		0.05		E200.8	07/19/05 20:56 / bws
Manganese	2.30	mg/L		0.01		E200.8	07/19/05 20:56 / bws
Molybdenum	ND	mg/L		0.1		E200.8	07/19/05 20:56 / bws
Nickel	0.06	mg/L		0.05		E200.8	07/19/05 20:56 / bws
Uranium	0.0327	mg/L		0.0003		E200.8	07/19/05 20:56 / bws
Vanadium	ND	mg/L		0.1		E200.8	07/19/05 20:56 / bws
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	07/18/05 13:41 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	07/19/05 09:46 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	07/22/05 12:40 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	07/21/05 10:30 / ph
Radium 226	0.7	pCi/L		0.2		E903.0	07/19/05 15:00 / df
Radium 226 precision (±)	0.5	pCi/L				E903.0	07/19/05 15:00 / df
Radium 228	ND	pCi/L		1.0		E904.0	07/19/05 15:00 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	07/21/05 10:30 / ph

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: C05070603-010
Client Sample ID: SBL-1

Report Date: 08/12/05
Collection Date: 07/12/05 08:55
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	-2.03	%				Calculation	08/11/05 15:50 / ks
Anions	119	meq/L				Calculation	08/11/05 15:50 / ks
Cations	114	meq/L				Calculation	08/11/05 15:50 / ks
Solids, Total Dissolved Calculated	7360	mg/L				Calculation	08/11/05 15:50 / ks
TDS Balance (0.80 - 1.20)	1.20	dec. %				Calculation	08/11/05 15:50 / ks
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	07/20/05 22:46 / jlr
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	E624	07/20/05 22:46 / jlr
Surr: Dibromofluoromethane	120	%REC			70-130	E624	07/20/05 22:46 / jlr
Surr: p-Bromofluorobenzene	105	%REC			75-125	E624	07/20/05 22:46 / jlr
Surr: Toluene-d8	101	%REC			80-120	E624	07/20/05 22:46 / 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: C05100333-008

Client Sample ID: SBL-1

Report Date: 11/01/05

Collection Date: 10/04/05 09:15

Date Received: 10/07/05

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	387	mg/L			1	A2320 B	10/13/05 17:00 / th
Calcium	537	mg/L	D		0.6	E200.7	10/18/05 14:31 / ts
Chloride	103	mg/L			1	E200.7	10/18/05 11:49 / ts
Magnesium	981	mg/L	D		0.5	E200.7	10/18/05 14:31 / ts
Nitrogen, Ammonia as N	0.17	mg/L			0.05	A4500-NH3 G	10/10/05 16:21 / jal
Nitrogen, Nitrate+Nitrite as N	41.4	mg/L	D		0.6	E353.2	10/10/05 11:51 / jal
Potassium	12.6	mg/L			0.5	E200.7	10/18/05 11:49 / ts
Sodium	357	mg/L			0.5	E200.7	10/18/05 11:49 / ts
Sulfate	5360	mg/L	D		8	E200.7	10/18/05 14:31 / ts
PHYSICAL PROPERTIES							
pH	7.25	s.u.			0.01	A4500-H B	10/10/05 16:39 / jc
Solids, Total Dissolved TDS @ 180 C	8520	mg/L			10	A2540 C	10/10/05 13:27 / jc
METALS - TOTAL							
Aluminum	0.1	mg/L			0.1	E200.7	10/18/05 11:49 / ts
Beryllium	ND	mg/L			0.01	E200.8	10/20/05 23:47 / sml
Cadmium	ND	mg/L			0.005	E200.8	10/20/05 23:47 / sml
Cobalt	0.03	mg/L			0.01	E200.8	10/20/05 23:47 / sml
Lead	ND	mg/L			0.05	E200.8	10/20/05 23:47 / sml
Manganese	2.25	mg/L			0.01	E200.7	10/18/05 11:49 / ts
Molybdenum	ND	mg/L			0.1	E200.7	10/18/05 11:49 / ts
Nickel	0.08	mg/L			0.05	E200.8	10/20/05 23:47 / sml
Uranium	0.0241	mg/L	D		0.0004	E200.8	10/20/05 23:47 / sml
Vanadium	ND	mg/L			0.1	E200.7	10/18/05 11:49 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L			0.001	A3114 B	10/12/05 11:37 / sl
Selenium-IV	ND	mg/L			0.001	A3114 B	10/12/05 14:50 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L			1.0	E900.1	10/14/05 13:00 / rs
Lead 210	ND	pCi/L			1.0	NERHL-65-4	10/14/05 10:30 / ph
Radium 226	ND	pCi/L			0.2	E903.0	10/12/05 14:40 / df
Radium 228	3.5	pCi/L			1.0	RA-05	10/12/05 14:40 / pj
Radium 228 precision (±)	1.0	pCi/L				RA-05	10/12/05 14:40 / pj
Thorium 230	ND	pCi/L			0.2	E907.0	10/11/05 10:30 / ph

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: C05100333-008
Client Sample ID: SBL-1

Report Date: 11/01/05
Collection Date: 10/04/05 09:15
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	-0.090	%				Calculation	10/21/05 16:51 / smd
Anions	124	meq/L				Calculation	10/21/05 16:51 / smd
Cations	124	meq/L				Calculation	10/21/05 16:51 / smd
Solids, Total Dissolved Calculated	7740	mg/L				Calculation	10/21/05 16:51 / smd
TDS Balance (0.80 - 1.20)	1.10	dec. %				Calculation	10/21/05 16:51 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	10/14/05 03:04 / jlr
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	E624	10/14/05 03:04 / jlr
Surr: Dibromofluoromethane	107	%REC			70-130	E624	10/14/05 03:04 / jlr
Surr: p-Bromofluorobenzene	96.8	%REC			75-125	E624	10/14/05 03:04 / jlr
Surr: Toluene-d8	96.8	%REC			80-120	E624	10/14/05 03:04 / 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:		SBL-1	SBL-1	SBL-1	SBL-1
Collection Date:		10/4/2005	7/12/2005	4/5/2005	1/12/2005
Receive Date:		10/7/2005	7/15/2005	4/8/2005	1/14/2005
Report Date:		10/31/2005	8/12/2005	4/29/2005	2/3/2005
Analyte	Units	C05100333-008	C05070603-010	C05040333-011	C05010488-002
Bicarbonate as HCO ₃	mg/L	387	432	424	373
Calcium	mg/L	537	466	553	564
Chloride	mg/L	103	97	93	97
Magnesium	mg/L	981	896	1010	984
Nitrogen, Ammonia as N	mg/L	0.17	0.29	0.06	0.22
Nitrogen, Nitrate+Nitrite as N	mg/L	41.4	35.7	35.8	39.0
Potassium	mg/L	12.6	12.4	12.3	12.4
Sodium	mg/L	357	384	390	399
Sulfate	mg/L	5360	5120	5470	5340
pH	s.u.	7.25	7.53	7.51	6.99
Solids, Total Dissolved TDS @ 180 C	mg/L	8520	8860	8870	8940
Aluminum	mg/L	0.1	ND(0.1)	ND(0.1)	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	0.03	0.01	0.01	0.02
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	2.25	2.30	2.28	2.38
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.08	0.06	0.07	0.08
Uranium	mg/L	0.0241	0.0327	0.0332	0.0289
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)	0.7	ND(0.2)	1.1
Radium 226 precision (±)	pCi/L		0.5		0.5
Radium 228	pCi/L	3.5	ND(1.0)	ND(1.0)	2.4
Radium 228 precision (±)	pCi/L	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)		-0.090	-2.03	0.851	1.68
Anions		124	119	126	123
Cations		124	114	128	127
Solids, Total Dissolved Calculated		7740	7360	7910	7770
TDS Balance (0.80 - 1.20)		1.10	1.20	1.12	1.15
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	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.**

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QUARTERLY SAMPLING
SEMI - ANNUAL GROUND WATER MONITORING REPORT
JULY AND OCTOBER OF 2005

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: C05070605-002
Client Sample ID: 515-A

Report Date: 08/12/05
Collection Date: 07/13/05 09:45
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/ RL QCL	Method	Analysis Date / By
MAJOR IONS						
Bicarbonate as HCO ₃	199	mg/L		1	A2320 B	07/21/05 13:37 / sl
Calcium	500	mg/L	D	0.6	E200.7	07/21/05 16:07 / ts
Chloride	235	mg/L		1	E200.7	07/21/05 16:04 / ts
Magnesium	845	mg/L	D	0.5	E200.7	07/21/05 16:07 / ts
Nitrogen, Ammonia as N	3.63	mg/L		0.05	A4500-NH ₃ G	07/21/05 09:31 / jal
Nitrogen, Nitrate+Nitrite as N	65.3	mg/L	D	0.6	E353.2	07/18/05 14:03 / jal
Potassium	12.7	mg/L		0.5	E200.7	07/21/05 16:04 / ts
Sodium	425	mg/L	D	0.6	E200.7	07/25/05 15:50 / ts
Sulfate	4640	mg/L	D	8	E200.7	07/21/05 16:07 / ts
PHYSICAL PROPERTIES						
pH	6.33	s.u.		0.01	A4500-H B	07/18/05 12:54 / th
Solids, Total Dissolved TDS @ 180 C	7690	mg/L		10	A2540 C	07/18/05 16:02 / th
METALS - TOTAL						
Aluminum	1.2	mg/L		0.1	E200.8	07/21/05 06:18 / bws
Beryllium	ND	mg/L		0.01	E200.8	07/21/05 06:18 / bws
Cadmium	ND	mg/L		0.005	E200.8	07/21/05 06:18 / bws
Cobalt	0.06	mg/L		0.01	E200.8	07/21/05 06:18 / bws
Lead	ND	mg/L		0.05	E200.8	07/21/05 06:18 / bws
Manganese	15.6	mg/L		0.01	E200.8	07/21/05 06:18 / bws
Molybdenum	ND	mg/L		0.1	E200.8	07/21/05 06:18 / bws
Nickel	0.24	mg/L		0.05	E200.8	07/21/05 06:18 / bws
Uranium	0.0008	mg/L		0.0003	E200.8	07/21/05 06:18 / bws
Vanadium	ND	mg/L		0.1	E200.8	07/21/05 06:18 / bws
METALS - SPECIATED						
Arsenic-III	ND	mg/L		0.001	A3114 B	07/18/05 14:13 / sml
Selenium-IV	ND	mg/L		0.001	A3114 B	07/19/05 10:21 / sml
RADIONUCLIDES - TOTAL						
Gross Alpha minus Rn & U	2.8	pCi/L		1.0	E900.1	07/22/05 12:40 / rs
Gross Alpha minus Rn & U Precision (±)	1.0	pCi/L			E900.1	07/22/05 12:40 / rs
Lead 210	ND	pCi/L		1.0	NERHL-65-4	07/21/05 10:30 / ph
Radium 226	2.6	pCi/L		0.2	E903.0	07/18/05 15:15 / df
Radium 226 precision (±)	0.6	pCi/L			E903.0	07/18/05 15:15 / df
Radium 228	1.5	pCi/L		1.0	E904.0	07/18/05 15:15 / pj
Radium 228 precision (±)	1.2	pCi/L			E904.0	07/18/05 15:15 / pj
Thorium 230	ND	pCi/L		0.2	E907.0	07/20/05 10:30 / ph

Port
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: C05070605-002
Client Sample ID: 515-A

Report Date: 08/12/05
Collection Date: 07/13/05 09:45
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	1.68	%				Calculation	07/29/05 14:21 / smd
Anions	111	meq/L				Calculation	07/29/05 14:21 / smd
Cations	115	meq/L				Calculation	07/29/05 14:21 / smd
Solids, Total Dissolved Calculated	7060	mg/L				Calculation	07/29/05 14:21 / smd
TDS Balance (0.80 - 1.20)	1.09	dec. %				Calculation	07/29/05 14:21 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	228	ug/L	D	5.0		E624	07/21/05 10:56 / jlr
Surr: 1,2-Dichlorobenzene-d4	107	%REC	D		80-120	E624	07/21/05 10:56 / jlr
Surr: Dibromofluoromethane	128	%REC	D		70-130	E624	07/21/05 10:56 / jlr
Surr: p-Bromofluorobenzene	103	%REC	D		75-125	E624	07/21/05 10:56 / jlr
Surr: Toluene-d8	100	%REC	D		80-120	E624	07/21/05 10:56 / jlr

port
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: C05100332-002
Client Sample ID: 515-A

Report Date: 10/27/05
Collection Date: 10/05/05 09:35
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	209	mg/L			1	A2320 B	10/10/05 17:43 / th
Calcium	455	mg/L	D		0.6	E200.7	10/17/05 14:09 / ts
Chloride	242	mg/L			1	E200.7	10/17/05 14:18 / ts
Magnesium	875	mg/L	D		0.5	E200.7	10/17/05 14:09 / ts
Nitrogen, Ammonia as N	4.15	mg/L			0.05	A4500-NH3 G	10/10/05 15:55 / jal
Nitrogen, Nitrate+Nitrite as N	52	mg/L	D		2	E353.2	10/10/05 10:48 / jal
Potassium	14.3	mg/L			0.5	E200.7	10/17/05 14:18 / ts
Sodium	427	mg/L			0.5	E200.7	10/17/05 14:18 / ts
Sulfate	4540	mg/L	D		8	E200.7	10/17/05 14:09 / ts
PHYSICAL PROPERTIES							
pH	6.10	s.u.			0.01	A4500-H B	10/10/05 16:28 / jc
Solids, Total Dissolved TDS @ 180 C	7710	mg/L			10	A2540 C	10/10/05 13:24 / jc
METALS - TOTAL							
Aluminum	1.3	mg/L			0.1	E200.7	10/17/05 14:18 / ts
Beryllium	ND	mg/L			0.01	E200.8	10/20/05 21:54 / sml
Cadmium	ND	mg/L			0.005	E200.8	10/20/05 21:54 / sml
Cobalt	0.07	mg/L			0.01	E200.8	10/20/05 21:54 / sml
Lead	ND	mg/L			0.05	E200.8	10/20/05 21:54 / sml
Manganese	15.4	mg/L			0.01	E200.7	10/17/05 14:18 / ts
Molybdenum	ND	mg/L			0.1	E200.7	10/17/05 14:18 / ts
Nickel	0.25	mg/L			0.05	E200.8	10/20/05 21:54 / sml
Uranium	0.0009	mg/L	D		0.0004	E200.8	10/20/05 21:54 / sml
Vanadium	ND	mg/L			0.1	E200.7	10/17/05 14:18 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L			0.001	A3114 B	10/12/05 11:02 / sl
Selenium-IV	ND	mg/L			0.001	A3114 B	10/12/05 14:21 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	3.1	pCi/L			1.0	E900.1	10/14/05 13:00 / rs
Gross Alpha minus Rn & U Precision (±)	1.2	pCi/L				E900.1	10/14/05 13:00 / rs
Lead 210	ND	pCi/L			1.0	NERHL-65-4	10/14/05 10:30 / ph
Radium 226	1.9	pCi/L			0.2	E903.0	10/12/05 15:15 / df
Radium 226 precision (±)	0.5	pCi/L				E903.0	10/12/05 15:15 / df
Radium 228	1.3	pCi/L			1.0	RA-05	10/12/05 15:50 / pj
Radium 228 precision (±)	1.2	pCi/L				RA-05	10/12/05 15:50 / pj
Thorium 230	ND	pCi/L			0.2	E907.0	10/11/05 10:30 / ph

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: C05100332-002
Client Sample ID: 515-A

Report Date: 10/27/05
Collection Date: 10/05/05 09:35
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	3.02	%				Calculation	10/27/05 15:52 / ks
Anions	108	meq/L				Calculation	10/27/05 15:52 / ks
Cations	115	meq/L				Calculation	10/27/05 15:52 / ks
Solids, Total Dissolved Calculated	6900	mg/L				Calculation	10/27/05 15:52 / ks
TDS Balance (0.80 - 1.20)	1.12	dec. %				Calculation	10/27/05 15:52 / ks
VOLATILE ORGANIC COMPOUNDS							
Chloroform	161	ug/L	D	5.0		E624	10/13/05 16:58 / jlr
Surr: 1,2-Dichlorobenzene-d4	97.6	%REC	D		80-120	E624	10/13/05 16:58 / jlr
Surr: Dibromofluoromethane	99.2	%REC	D		70-130	E624	10/13/05 16:58 / jlr
Surr: p-Bromofluorobenzene	98.4	%REC	D		75-125	E624	10/13/05 16:58 / jlr
Surr: Toluene-d8	98.4	%REC	D		80-120	E624	10/13/05 16:58 / 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.

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:		10/5/2005	7/13/2005	4/6/2005	1/5/2005	
Receive Date:		10/7/2005	7/15/2005	4/8/2005	1/7/2005	
Report Date:		10/27/2005	8/12/2005	5/3/2005	1/27/2005	
Analyte	Units	C05100332-002	C05070605-002	C05040335-002	C05010244-002	
Bicarbonate as HCO ₃	mg/L	209	199	207	213	
Calcium	mg/L	455	500	483	486	
Chloride	mg/L	242	235	255	256	
Magnesium	mg/L	875	845	849	871	
Nitrogen, Ammonia as N	mg/L	4.15	3.63	3.45	3.22	
Nitrogen, Nitrate+Nitrite as N	mg/L	52	65.3	45	57	
Potassium	mg/L	14.3	12.7	13.8	14.0	
Sodium	mg/L	427	425	436	432	
Sulfate	mg/L	4540	4640	4490	4770	
pH	s.u.	6.10	6.33	6.17	5.83	
Solids, Total Dissolved TDS @ 180 C	mg/L	7710	7690	7530	7910	
Aluminum	mg/L	1.3	1.2	1.7	2.2	
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)	0.006	
Cobalt	mg/L	0.07	0.06	0.06	0.09	
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	
Manganese	mg/L	15.4	15.6	16.0	15.0	
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	
Nickel	mg/L	0.25	0.24	0.25	0.25	
Uranium	mg/L	0.0009	0.0008	0.0010	0.0010	
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)	0.002	
Gross Alpha minus Rn & U	pCi/L	3.1	2.8	1.9	10.9	
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.2	1.0	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	1.9	2.6	3.3	4.2	
Radium 226 precision (±)	pCi/L	0.5	0.6	0.6	0.7	
Radium 228	pCi/L	1.3	1.5	1.1	1.8	
Radium 228 precision (±)	pCi/L	1.2	1.2	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)		3.02	1.68	3.42	1.10	
Anions		108	111	107	114	
Cations		115	115	115	117	
Solids, Total Dissolved Calculated		6900	7060	6850	7210	
TDS Balance (0.80 - 1.20)		1.12	1.09	1.10	1.10	
Chloroform	ug/L	161	228	102	41.6	

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

kls: r:\clients2005\unc_mining\unc_gallup-4th2005_final.xls

LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C05070605-003
Client Sample ID: 604

Report Date: 08/12/05
Collection Date: 07/13/05 10:27
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	2	mg/L		1		A2320 B	07/21/05 13:40 / sl
Calcium	472	mg/L	D	0.6		E200.7	07/21/05 16:14 / ts
Chloride	57	mg/L		1		E200.7	07/21/05 16:11 / ts
Magnesium	824	mg/L	D	0.5		E200.7	07/21/05 16:14 / ts
Nitrogen, Ammonia as N	0.49	mg/L		0.05		A4500-NH3 G	07/21/05 09:39 / jal
Nitrogen, Nitrate+Nitrite as N	60	mg/L	D	2		E353.2	07/18/05 14:05 / jal
Potassium	11.3	mg/L		0.5		E200.7	07/21/05 16:11 / ts
Sodium	278	mg/L		0.5		E200.7	07/21/05 16:11 / ts
Sulfate	4630	mg/L	D	8		E200.7	07/21/05 16:14 / ts
PHYSICAL PROPERTIES							
pH	4.76	s.u.		0.01		A4500-H B	07/18/05 12:57 / th
Solids, Total Dissolved TDS @ 180 C	7220	mg/L		10		A2540 C	07/18/05 16:02 / th
METALS - TOTAL							
Aluminum	11.1	mg/L		0.1		E200.8	07/21/05 06:24 / bws
Beryllium	ND	mg/L		0.01		E200.8	07/21/05 06:24 / bws
Cadmium	ND	mg/L		0.005		E200.8	07/21/05 06:24 / bws
Cobalt	0.28	mg/L		0.01		E200.8	07/21/05 06:24 / bws
Lead	ND	mg/L		0.05		E200.8	07/21/05 06:24 / bws
Manganese	11.7	mg/L		0.01		E200.8	07/21/05 06:24 / bws
Molybdenum	ND	mg/L		0.1		E200.8	07/21/05 06:24 / bws
Nickel	0.34	mg/L		0.05		E200.8	07/21/05 06:24 / bws
Uranium	0.0015	mg/L		0.0003		E200.8	07/21/05 06:24 / bws
Vanadium	ND	mg/L		0.1		E200.8	07/21/05 06:24 / bws
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	07/18/05 14:27 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	07/19/05 10:35 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	3.3	pCi/L		1.0		E900.1	07/22/05 12:40 / rs
Gross Alpha minus Rn & U Precision (±)	1.1	pCi/L				E900.1	07/22/05 12:40 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	07/21/05 10:30 / ph
Radium 226	4.0	pCi/L		0.2		E903.0	07/18/05 15:15 / df
Radium 226 precision (±)	0.7	pCi/L				E903.0	07/18/05 15:15 / df
Radium 228	5.6	pCi/L		1.0		E904.0	07/18/05 15:15 / pj
Radium 228 precision (±)	1.3	pCi/L				E904.0	07/18/05 15:15 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	07/20/05 10:30 / ph

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: C05070605-003

Client Sample ID: 604

Report Date: 08/12/05

Collection Date: 07/13/05 10:27

Date Received: 07/15/05

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	1.64	%				Calculation	07/29/05 14:21 / smd
Anions	102	meq/L				Calculation	07/29/05 14:21 / smd
Cations	106	meq/L				Calculation	07/29/05 14:21 / smd
Solids, Total Dissolved Calculated	6570	mg/L				Calculation	07/29/05 14:21 / smd
TDS Balance (0.80 - 1.20)	1.10	dec. %				Calculation	07/29/05 14:21 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	3.0	ug/L		1.0		E624	07/21/05 10:20 / jlr
Surr: 1,2-Dichlorobenzene-d4	106	%REC			80-120	E624	07/21/05 10:20 / jlr
Surr: Dibromofluoromethane	124	%REC			70-130	E624	07/21/05 10:20 / jlr
Surr: p-Bromofluorobenzene	105	%REC			75-125	E624	07/21/05 10:20 / jlr
Surr: Toluene-d8	102	%REC			80-120	E624	07/21/05 10:20 / 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: C05100332-003
Client Sample ID: 604

Report Date: 10/27/05
Collection Date: 10/05/05 10:15
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	12	mg/L		1		A2320 B	10/10/05 17:43 / th
Calcium	450	mg/L	D	0.6		E200.7	10/17/05 14:12 / ts
Chloride	58	mg/L		1		E200.7	10/17/05 14:21 / ts
Magnesium	854	mg/L	D	0.5		E200.7	10/17/05 14:12 / ts
Nitrogen, Ammonia as N	0.46	mg/L		0.05		A4500-NH3 G	10/10/05 15:59 / jal
Nitrogen, Nitrate+Nitrite as N	60	mg/L	D	2		E353.2	10/10/05 10:51 / jal
Potassium	12.4	mg/L		0.5		E200.7	10/17/05 14:21 / ts
Sodium	286	mg/L		0.5		E200.7	10/17/05 14:21 / ts
Sulfate	4600	mg/L	D	8		E200.7	10/17/05 14:12 / ts
PHYSICAL PROPERTIES							
pH	4.85	s.u.		0.01		A4500-H B	10/10/05 16:28 / jc
Solids, Total Dissolved TDS @ 180 C	7260	mg/L		10		A2540 C	10/10/05 13:25 / jc
METALS - TOTAL							
Aluminum	9.5	mg/L		0.1		E200.7	10/17/05 14:21 / ts
Beryllium	ND	mg/L		0.01		E200.8	10/20/05 22:01 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/20/05 22:01 / sml
Cobalt	0.27	mg/L		0.01		E200.8	10/20/05 22:01 / sml
Lead	ND	mg/L		0.05		E200.8	10/20/05 22:01 / sml
Manganese	11.1	mg/L		0.01		E200.7	10/17/05 14:21 / ts
Molybdenum	ND	mg/L		0.1		E200.7	10/17/05 14:21 / ts
Nickel	0.34	mg/L		0.05		E200.8	10/20/05 22:01 / sml
Uranium	0.0015	mg/L		0.0003		E200.8	10/20/05 22:01 / sml
Vanadium	ND	mg/L		0.1		E200.7	10/17/05 14:21 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	10/12/05 11:04 / sl
Selenium-IV	ND	mg/L		0.001		A3114 B	10/12/05 14:23 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	4.0	pCi/L		1.0		E900.1	10/14/05 13:00 / rs
Gross Alpha minus Rn & U Precision (±)	1.3	pCi/L				E900.1	10/14/05 13:00 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	10/14/05 10:30 / ph
Radium 226	2.2	pCi/L		0.2		E903.0	10/12/05 15:15 / df
Radium 226 precision (±)	0.5	pCi/L				E903.0	10/12/05 15:15 / df
Radium 228	5.7	pCi/L		1.0		RA-05	10/12/05 15:50 / pj
Radium 228 precision (±)	1.3	pCi/L				RA-05	10/12/05 15:50 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	10/11/05 10:30 / ph

port
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: C05100332-003
Client Sample ID: 604

Report Date: 10/27/05
Collection Date: 10/05/05 10:15
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	2.61	%				Calculation	10/27/05 15:53 / ks
Anions	102	meq/L				Calculation	10/27/05 15:53 / ks
Cations	107	meq/L				Calculation	10/27/05 15:53 / ks
Solids, Total Dissolved Calculated	6560	mg/L				Calculation	10/27/05 15:53 / ks
TDS Balance (0.80 - 1.20)	1.11	dec. %				Calculation	10/27/05 15:53 / ks
VOLATILE ORGANIC COMPOUNDS							
Chloroform	2.8	ug/L		1.0		E624	10/13/05 17:35 / jlr
Surr: 1,2-Dichlorobenzene-d4	103	%REC			80-120	E624	10/13/05 17:35 / jlr
Surr: Dibromofluoromethane	98.8	%REC			70-130	E624	10/13/05 17:35 / jlr
Surr: p-Bromofluorobenzene	94.4	%REC			75-125	E624	10/13/05 17:35 / jlr
Surr: Toluene-d8	101	%REC			80-120	E624	10/13/05 17:35 / 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:		604	604	604	604		
Collection Date:		10/5/2005	7/13/2005	4/6/2005	1/5/2005		
Receive Date:		10/7/2005	7/15/2005	4/8/2005	1/7/2005		
Report Date:		10/27/2005	8/12/2005	5/3/2005	1/27/2005		
Analyte	Units	C05100332-003	C05070605-003	C05040335-003	C05010244-003		
Bicarbonate as HCO ₃	mg/L	12	2	6	7		
Calcium	mg/L	450	472	454	475		
Chloride	mg/L	58	57	58	58		
Magnesium	mg/L	854	824	803	856		
Nitrogen, Ammonia as N	mg/L	0.46	0.49	0.49	0.62		
Nitrogen, Nitrate+Nitrite as N	mg/L	60	60	54	66		
Potassium	mg/L	12.4	11.3	12.0	12.3		
Sodium	mg/L	286	278	296	284		
Sulfate	mg/L	4329 4600 <i>~</i>	4630	4550	4770		
pH	s.u.	4.85	4.76	4.65	4.66		
Solids, Total Dissolved TDS @ 180 C	mg/L	7260	7220	7050	7480		
Aluminum	mg/L	9.5	11.1	11.2	11.1		
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	0.27	0.28	0.24	0.31		
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)		
Manganese	mg/L	11.1	11.7	11.9	11.1		
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)		
Nickel	mg/L	0.34	0.34	0.33	0.35		
Uranium	mg/L	0.0015	0.0015	0.0018	0.0017		
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	4.0	3.3	1.7	13.4		
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.3	1.1	1.0	1.5		
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	2.2	4.0	4.3	4.0		
Radium 226 precision (±)	pCi/L	0.5	0.7	0.7	0.7		
Radium 228	pCi/L	5.7	5.6	5.6	3.9		
Radium 228 precision (±)	pCi/L	1.3	1.3	1.1	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)		5.76 2.61 <i>~</i>	1.64	1.81	1.45		
Anions		95.7 102 <i>~</i>	102	100	106		
Cations		107	106	104	109		
Solids, Total Dissolved Calculated		6260 6560 <i>~</i>	6570	6440	6780		
TDS Balance (0.80 - 1.20)		1.16 1.11 <i>~</i>	1.10	1.09	1.10		
Chloroform	ug/L	2.8	3.0	3.8	7.0		

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

kls: r:\clients\2005\unc_mining\unc_gallup-4th2005_final.xls

LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C05070605-001
Client Sample ID: 614

Report Date: 08/12/05
Collection Date: 07/13/05 09:05
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/ RL QCL	Method	Analysis Date / By
MAJOR IONS						
Bicarbonate as HCO ₃	1360	mg/L		1	A2320 B	07/21/05 13:09 / sl
Calcium	615	mg/L	D	0.6	E200.7	07/21/05 15:53 / ts
Chloride	360	mg/L		1	E200.7	07/21/05 15:50 / ts
Magnesium	647	mg/L	D	0.5	E200.7	07/21/05 15:53 / ts
Nitrogen, Ammonia as N	44	mg/L	D	1	A4500-NH ₃ G	07/21/05 09:29 / jal
Nitrogen, Nitrate+Nitrite as N	56	mg/L	D	2	E353.2	07/18/05 14:00 / jal
Potassium	9.2	mg/L		0.5	E200.7	07/21/05 15:50 / ts
Sodium	437	mg/L		0.5	E200.7	07/21/05 15:50 / ts
Sulfate	3150	mg/L	D	8	E200.7	07/21/05 15:53 / ts
PHYSICAL PROPERTIES						
pH	7.28	s.u.		0.01	A4500-H B	07/18/05 12:51 / th
Solids, Total Dissolved TDS @ 180 C	6570	mg/L		10	A2540 C	07/18/05 16:02 / th
METALS - TOTAL						
Aluminum	ND	mg/L		0.1	E200.8	07/21/05 06:11 / bws
Beryllium	ND	mg/L		0.01	E200.8	07/21/05 06:11 / bws
Cadmium	ND	mg/L		0.005	E200.8	07/21/05 06:11 / bws
Cobalt	ND	mg/L		0.01	E200.8	07/21/05 06:11 / bws
Lead	ND	mg/L		0.05	E200.8	07/21/05 06:11 / bws
Manganese	0.27	mg/L		0.01	E200.8	07/21/05 06:11 / bws
Molybdenum	ND	mg/L		0.1	E200.8	07/21/05 06:11 / bws
Nickel	ND	mg/L		0.05	E200.8	07/21/05 06:11 / bws
Uranium	0.0489	mg/L		0.0003	E200.8	07/21/05 06:11 / bws
Vanadium	ND	mg/L		0.1	E200.8	07/21/05 06:11 / bws
METALS - SPECIATED						
Arsenic-III	ND	mg/L		0.001	A3114 B	07/18/05 14:11 / sml
Selenium-IV	ND	mg/L		0.001	A3114 B	07/19/05 10:19 / sml
RADIONUCLIDES - TOTAL						
Gross Alpha minus Rn & U	1.3	pCi/L		1.0	E900.1	07/22/05 12:40 / rs
Gross Alpha minus Rn & U Precision (±)	0.7	pCi/L			E900.1	07/22/05 12:40 / rs
Lead 210	ND	pCi/L		1.0	NERHL-65-4	07/21/05 10:30 / ph
Radium 226	1.3	pCi/L		0.2	E903.0	07/18/05 15:15 / df
Radium 226 precision (±)	0.4	pCi/L			E903.0	07/18/05 15:15 / df
Radium 228	ND	pCi/L		1.0	E904.0	07/18/05 15:15 / pj
Thorium 230	ND	pCi/L		0.2	E907.0	07/20/05 10:30 / ph

Report
Initiations: 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: C05070605-001
Client Sample ID: 614

Report Date: 08/12/05
Collection Date: 07/13/05 09:05
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	2.07	%				Calculation	07/29/05 14:21 / smd
Anions	102	meq/L				Calculation	07/29/05 14:21 / smd
Cations	106	meq/L				Calculation	07/29/05 14:21 / smd
Solids, Total Dissolved Calculated	6150	mg/L				Calculation	07/29/05 14:21 / smd
TDS Balance (0.80 - 1.20)	1.07	dec. %				Calculation	07/29/05 14:21 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	178	ug/L	D	5.0		E624	07/21/05 11:40 / jlr
Surr: 1,2-Dichlorobenzene-d4	105	%REC	D		80-120	E624	07/21/05 11:40 / jlr
Surr: Dibromofluoromethane	118	%REC	D		70-130	E624	07/21/05 11:40 / jlr
Surr: p-Bromofluorobenzene	107	%REC	D		75-125	E624	07/21/05 11:40 / jlr
Surr: Toluene-d8	95.2	%REC	D		80-120	E624	07/21/05 11:40 / 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: C05100332-001
Client Sample ID: 614

Report Date: 10/27/05
Collection Date: 10/05/05 08:50
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCC3	1440	mg/L		1		A2320 B	10/12/05 16:49 / th
Calcium	584	mg/L	D	0.6		E200.7	10/17/05 14:06 / ts
Chloride	324	mg/L		1		E200.7	10/17/05 14:15 / ts
Magnesium	659	mg/L	D	0.5		E200.7	10/17/05 14:06 / ts
Nitrogen, Ammonia as N	50	mg/L	D	1		A4500-NH3 G	10/10/05 15:53 / jal
Nitrogen, Nitrate+Nitrite as N	61	mg/L	D	2		E353.2	10/10/05 10:46 / jal
Potassium	10.5	mg/L		0.5		E200.7	10/17/05 14:15 / ts
Sodium	460	mg/L		0.5		E200.7	10/17/05 14:15 / ts
Sulfate	2910	mg/L	D	8		E200.7	10/17/05 14:06 / ts
PHYSICAL PROPERTIES							
pH	7.05	s.u.		0.01		A4500-H B	10/10/05 16:26 / jc
Solids, Total Dissolved TDS @ 180 C	6550	mg/L		10		A2540 C	10/10/05 13:24 / jc
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	10/17/05 14:15 / ts
Beryllium	ND	mg/L		0.01		E200.8	10/20/05 21:48 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/20/05 21:48 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/20/05 21:48 / sml
Lead	ND	mg/L		0.05		E200.8	10/20/05 21:48 / sml
Manganese	0.30	mg/L		0.01		E200.7	10/17/05 14:15 / ts
Molybdenum	ND	mg/L		0.1		E200.7	10/17/05 14:15 / ts
Nickel	ND	mg/L		0.05		E200.8	10/20/05 21:48 / sml
Uranium	0.0498	mg/L	D	0.0004		E200.8	10/20/05 21:48 / sml
Vanadium	ND	mg/L		0.1		E200.7	10/17/05 14:15 / ts
METALS - SPECIATED							
Arsenic-III	0.001	mg/L		0.001		A3114 B	10/12/05 11:00 / sl
Selenium-IV	ND	mg/L		0.001		A3114 B	10/12/05 14:19 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	10/14/05 13:00 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	10/14/05 10:30 / ph
Radium 226	0.6	pCi/L		0.2		E903.0	10/12/05 15:15 / df
Radium 226 precision (±)	0.3	pCi/L				E903.0	10/12/05 15:15 / df
Radium 228	1.6	pCi/L		1.0		RA-05	10/12/05 15:50 / pj
Radium 228 precision (±)	1.2	pCi/L				RA-05	10/12/05 15:50 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	10/11/05 10:30 / ph

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: C05100332-001
Client Sample ID: 614

Report Date: 10/27/05
Collection Date: 10/05/05 08:50
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	4.71	%				Calculation	10/18/05 15:40 / smd
Anions	97.6	meq/L				Calculation	10/18/05 15:40 / smd
Cations	107	meq/L				Calculation	10/18/05 15:40 / smd
Solids, Total Dissolved Calculated	5940	mg/L				Calculation	10/18/05 15:40 / smd
TDS Balance (0.80 - 1.20)	1.10	dec. %				Calculation	10/18/05 15:40 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	202	ug/L	D	5.0		E624	10/13/05 20:47 / jlr
Surr: 1,2-Dichlorobenzene-d4	97.6	%REC	D		80-120	E624	10/13/05 20:47 / jlr
Surr: Dibromofluoromethane	95.6	%REC	D		70-130	E624	10/13/05 20:47 / jlr
Surr: p-Bromofluorobenzene	97.2	%REC	D		75-125	E624	10/13/05 20:47 / jlr
Surr: Toluene-d8	99.6	%REC	D		80-120	E624	10/13/05 20:47 / jlr

port
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:		10/5/2005	7/13/2005	4/6/2005	1/5/2005	
Receive Date:		10/7/2005	7/15/2005	4/8/2005	1/7/2005	
Report Date:		10/27/2005	8/12/2005	5/3/2005	1/27/2005	
Analyte	Units	C05100332-001	C05070605-001	C05040335-001	C05010244-001	
Bicarbonate as HCO ₃	mg/L	1440	1360	1400	1240	
Calcium	mg/L	584	615	592	609	
Chloride	mg/L	324	360	346	356	
Magnesium	mg/L	659	647	637	667	
Nitrogen, Ammonia as N	mg/L	50	44	37	42	
Nitrogen, Nitrate+Nitrite as N	mg/L	61	56	63	69	
Potassium	mg/L	10.5	9.2	9.8	10	
Sodium	mg/L	460	437	478	494	
Sulfate	mg/L	2910	3150	3120	3260	
pH	s.u.	7.05	7.28	7.23	6.87	
Solids, Total Dissolved TDS @ 180 C	mg/L	6550	6570	6500	6860	
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	0.30	0.27	0.25	0.24	
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	0.0498	0.0489	0.0500	0.0532	
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	
Arsenic-III	mg/L	0.001	ND(0.001)	ND(0.001)	ND(0.001)	
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	0.004	
Gross Alpha minus Rn & U	pCi/L	ND(1.0)	1.3	ND(1.0)	4.4	
Gross Alpha minus Rn & U Precision (±)	pCi/L		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	0.6	1.3	1.1	1.4	
Radium 226 precision (±)	pCi/L	0.3	0.4	0.4	0.5	
Radium 228	pCi/L	1.6	ND(1.0)	4.3	ND(1.0)	
Radium 228 precision (±)	pCi/L	1.2		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)		4.71	2.07	1.61	3.30	
Anions		97.6	102	102	103	
Cations		107	106	106	110	
Solids, Total Dissolved Calculated		5940	6150	6160	6330	
TDS Balance (0.80 - 1.20)		1.10	1.07	1.06	1.08	
Chloroform	ug/L	202	178	157	27.9	

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C05070909-001
Client Sample ID: TWQ-142

Report Date: 08/25/05
Collection Date: 07/18/05 08:54
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	239	mg/L		1		A2320 B	07/26/05 17:48 / sl
Calcium	22.5	mg/L		0.5		E200.7	08/01/05 11:28 / ts
Chloride	15	mg/L		1		E200.7	08/01/05 11:28 / ts
Magnesium	9.9	mg/L		0.5		E200.7	08/01/05 11:28 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	07/28/05 12:48 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/25/05 11:26 / jal
Potassium	2.8	mg/L		0.5		E200.7	08/01/05 11:28 / ts
Sodium	326	mg/L		0.5		E200.7	08/01/05 11:28 / ts
Sulfate	535	mg/L		1		E200.7	08/01/05 11:28 / ts
PHYSICAL PROPERTIES							
pH	7.93	s.u.		0.01		A4500-H B	07/25/05 13:06 / th
Solids, Total Dissolved TDS @ 180 C	1060	mg/L		10		A2540 C	07/25/05 12:25 / th
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	08/01/05 11:28 / ts
Beryllium	ND	mg/L		0.01		E200.8	08/03/05 04:40 / bws
Cadmium	ND	mg/L		0.005		E200.8	08/03/05 04:40 / bws
Cobalt	ND	mg/L		0.01		E200.7	08/01/05 11:28 / ts
Lead	ND	mg/L		0.05		E200.8	08/03/05 04:40 / bws
Manganese	ND	mg/L		0.01		E200.7	08/01/05 11:28 / ts
Molybdenum	ND	mg/L		0.1		E200.7	08/01/05 11:28 / ts
Nickel	ND	mg/L		0.05		E200.8	08/03/05 04:40 / bws
Uranium	ND	mg/L		0.0003		E200.8	08/03/05 04:40 / bws
Vanadium	ND	mg/L		0.1		E200.7	08/01/05 11:28 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	07/25/05 09:34 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	07/25/05 14:42 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	07/26/05 11:35 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	07/28/05 01:31 / ph
Radium 226	ND	pCi/L		0.2		E903.0	07/25/05 14:05 / df
Radium 228	ND	pCi/L		1.0		E904.0	07/25/05 14:05 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	08/17/05 10:30 / ph

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: C05070909-001
Client Sample ID: TWQ-142

Report Date: 08/25/05
Collection Date: 07/18/05 08:54
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	2.28	%				Calculation	08/09/05 10:20 / dab
Anions	15.5	meq/L				Calculation	08/09/05 10:20 / dab
Cations	16.2	meq/L				Calculation	08/09/05 10:20 / dab
Solids, Total Dissolved Calculated	1040	mg/L				Calculation	08/09/05 10:20 / dab
TDS Balance (0.80 - 1.20)	1.02	dec. %				Calculation	08/09/05 10:20 / dab
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	07/26/05 14:32 / jlr
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	E624	07/26/05 14:32 / jlr
Surr: Dibromofluoromethane	102	%REC			70-130	E624	07/26/05 14:32 / jlr
Surr: p-Bromofluorobenzene	102	%REC			75-125	E624	07/26/05 14:32 / jlr
Surr: Toluene-d8	96.4	%REC			80-120	E624	07/26/05 14:32 / 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: C05100643-001
Client Sample ID: TWQ-142

Report Date: 11/04/05
Collection Date: 10/10/05 09:00
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	250	mg/L		1		A2320 B	10/17/05 15:52 / th
Calcium	22.8	mg/L		0.5		E200.7	10/19/05 17:29 / ts
Chloride	19	mg/L		1		E200.7	10/19/05 17:29 / ts
Magnesium	10.3	mg/L		0.5		E200.7	10/19/05 17:29 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	10/18/05 12:03 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/17/05 11:38 / jal
Potassium	3.2	mg/L		0.5		E200.7	10/19/05 17:29 / ts
Sodium	322	mg/L		0.5		E200.7	10/19/05 17:29 / ts
Sulfate	562	mg/L		1		E200.7	10/19/05 17:29 / ts
PHYSICAL PROPERTIES							
pH	7.94	s.u.		0.01		A4500-H B	10/17/05 13:44 / jc
Solids, Total Dissolved TDS @ 180 C	1050	mg/L		10		A2540 C	10/17/05 13:41 / jc
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	10/19/05 17:29 / ts
Beryllium	ND	mg/L		0.01		E200.8	10/20/05 16:08 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/20/05 16:08 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/20/05 16:08 / sml
Lead	ND	mg/L		0.05		E200.8	10/20/05 16:08 / sml
Manganese	ND	mg/L		0.01		E200.7	10/19/05 17:29 / ts
Molybdenum	ND	mg/L		0.1		E200.7	10/19/05 17:29 / ts
Nickel	ND	mg/L		0.05		E200.8	10/20/05 16:08 / sml
Uranium	ND	mg/L		0.0003		E200.8	10/20/05 16:08 / sml
Vanadium	ND	mg/L		0.1		E200.7	10/19/05 17:29 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	10/20/05 15:18 / sl
Selenium-IV	ND	mg/L		0.001		A3114 B	10/20/05 12:23 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	10/20/05 16:55 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	10/25/05 10:30 / ph
Radium 226	ND	pCi/L		0.2		E903.0	10/17/05 15:15 / df
Radium 228	ND	pCi/L		1.0		RA-05	10/17/05 15:15 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	10/25/05 10:30 / ph

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: C05100643-001

Client Sample ID: TWQ-142

Report Date: 11/04/05

Collection Date: 10/10/05 09:00

Date Received: 10/14/05

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	-0.785	%				Calculation	10/26/05 10:33 / dab
Anions	16.3	meq/L				Calculation	10/26/05 10:33 / dab
Cations	16.1	meq/L				Calculation	10/26/05 10:33 / dab
Solids, Total Dissolved Calculated	1070	mg/L				Calculation	10/26/05 10:33 / dab
TDS Balance (0.80 - 1.20)	0.980	dec. %				Calculation	10/26/05 10:33 / dab
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	10/18/05 08:47 / jlr
Surr: 1,2-Dichlorobenzene-d4	102	%REC			80-120	E624	10/18/05 08:47 / jlr
Surr: Dibromofluoromethane	112	%REC			70-130	E624	10/18/05 08:47 / jlr
Surr: p-Bromofluorobenzene	105	%REC			75-125	E624	10/18/05 08:47 / jlr
Surr: Toluene-d8	94.4	%REC			80-120	E624	10/18/05 08:47 / 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:		TWQ-142	TWQ-142	TWQ-142	TWQ-142	
Collection Date:		10/10/2005	7/18/2005	4/12/2005	1/1/2005	
Receive Date:		10/14/2005	7/22/2005	4/15/2005	1/14/2005	
Report Date:		11/4/2005	8/24/2005	5/9/2005	2/3/2005	
Analyte	Units	C05100643-001	C05070909-001	C05040662-001	C05010490-001	
Bicarbonate as HCO ₃	mg/L	250	239	235	241	
Calcium	mg/L	22.8	22.5	23.6	22.4	
Chloride	mg/L	19	15	16	19	
Magnesium	mg/L	10.3	9.9	10.1	9.7	
Nitrogen, Ammonia as N	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	
Potassium	mg/L	3.2	2.8	3.2	3.0	
Sodium	mg/L	322	326	335	326	
Sulfate	mg/L	562	535	568	540	
pH	s.u.	7.94	7.93	7.82	7.89	
Solids, Total Dissolved TDS @ 180 C	mg/L	1050	1060	1070	1070	
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)	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	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)	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)	0.5	
Radium 226 precision (±)	pCi/L				0.5	
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)		-0.785	2.28	1.60	1.43	
Anions		16.3	15.5	16.1	15.7	
Cations		16.1	16.2	16.7	16.2	
Solids, Total Dissolved Calculated		1070	1040	1080	1050	
TDS Balance (0.80 - 1.20)		0.980	1.02	0.990	1.02	
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	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.

kls: r:\clients2005\unc_mining\unc_gallup-4th2005_final.xls



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C05070909-002
Client Sample ID: EPA-2

Report Date: 08/25/05
Collection Date: 07/19/05 10:45
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	389	mg/L		1		A2320 B	07/26/05 17:58 / sl
Calcium	350	mg/L	D	0.6		E200.7	08/01/05 11:56 / ts
Chloride	20	mg/L		1		E200.7	08/01/05 11:53 / ts
Magnesium	160	mg/L	D	0.5		E200.7	08/01/05 11:56 / ts
Nitrogen, Ammonia as N	0.40	mg/L		0.05		A4500-NH3 G	07/28/05 12:50 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/25/05 11:29 / jal
Potassium	5.9	mg/L		0.5		E200.7	08/01/05 11:53 / ts
Sodium	195	mg/L		0.5		E200.7	08/01/05 11:53 / ts
Sulfate	1420	mg/L		1		E200.7	08/01/05 11:53 / ts
PHYSICAL PROPERTIES							
pH	7.28	s.u.		0.01		A4500-H B	07/25/05 13:07 / th
Solids, Total Dissolved TDS @ 180 C	2590	mg/L		10		A2540 C	07/25/05 12:26 / th
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	08/03/05 05:33 / bws
Beryllium	ND	mg/L		0.01		E200.8	08/03/05 05:33 / bws
Cadmium	ND	mg/L		0.005		E200.8	08/03/05 05:33 / bws
Cobalt	ND	mg/L		0.01		E200.7	08/01/05 11:53 / ts
Lead	ND	mg/L		0.05		E200.8	08/03/05 05:33 / bws
Manganese	1.25	mg/L		0.01		E200.7	08/01/05 11:53 / ts
Molybdenum	ND	mg/L		0.1		E200.7	08/01/05 11:53 / ts
Nickel	ND	mg/L		0.05		E200.8	08/03/05 05:33 / bws
Uranium	0.0011	mg/L		0.0003		E200.8	08/03/05 05:33 / bws
Vanadium	ND	mg/L		0.1		E200.7	08/01/05 11:53 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	07/25/05 09:36 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	07/25/05 14:44 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	07/26/05 11:35 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	07/28/05 01:31 / ph
Radium 226	1.1	pCi/L		0.2		E903.0	07/25/05 14:05 / df
Radium 226 precision (±)	0.4	pCi/L				E903.0	07/25/05 14:05 / df
Radium 228	1.8	pCi/L		1.0		E904.0	07/25/05 14:05 / pj
Radium 228 precision (±)	0.9	pCi/L				E904.0	07/25/05 14:05 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	08/17/05 10:30 / ph

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: C05070909-002
Client Sample ID: EPA-2

Report Date: 08/25/05
Collection Date: 07/19/05 10:45
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	4.03	%				Calculation	08/09/05 10:20 / dab
Anions	36.6	meq/L				Calculation	08/09/05 10:20 / dab
Cations	39.7	meq/L				Calculation	08/09/05 10:20 / dab
Solids, Total Dissolved Calculated	2370	mg/L				Calculation	08/09/05 10:20 / dab
TDS Balance (0.80 - 1.20)	1.09	dec. %				Calculation	08/09/05 10:20 / dab
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	07/26/05 15:09 / jlr
Surr: 1,2-Dichlorobenzene-d4	110	%REC			80-120	E624	07/26/05 15:09 / jlr
Surr: Dibromofluoromethane	103	%REC			70-130	E624	07/26/05 15:09 / jlr
Surr: p-Bromofluorobenzene	104	%REC			75-125	E624	07/26/05 15:09 / jlr
Surr: Toluene-d8	94.4	%REC			80-120	E624	07/26/05 15:09 / 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: C05100643-002
Client Sample ID: EPA-2

Report Date: 11/04/05
Collection Date: 10/11/05 11:15
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	284	mg/L			1	A2320 B	10/17/05 15:52 / th
Calcium	352	mg/L	D		0.6	E200.7	10/19/05 18:30 / ts
Chloride	23	mg/L			1	E200.7	10/19/05 17:33 / ts
Magnesium	163	mg/L	D		0.5	E200.7	10/19/05 18:30 / ts
Nitrogen, Ammonia as N	0.47	mg/L			0.05	A4500-NH3 G	10/18/05 12:05 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L			0.1	E353.2	10/17/05 11:40 / jal
Potassium	6.4	mg/L			0.5	E200.7	10/19/05 17:33 / ts
Sodium	199	mg/L			0.5	E200.7	10/19/05 17:33 / ts
Sulfate	1560	mg/L	D		8	E200.7	10/19/05 18:30 / ts
PHYSICAL PROPERTIES							
pH	7.26	s.u.			0.01	A4500-H B	10/17/05 13:48 / jc
Solids, Total Dissolved TDS @ 180 C	2640	mg/L			10	A2540 C	10/17/05 13:41 / jc
METALS - TOTAL							
Aluminum	ND	mg/L			0.1	E200.7	10/19/05 17:33 / ts
Beryllium	ND	mg/L			0.01	E200.8	10/20/05 16:34 / sml
Cadmium	ND	mg/L			0.005	E200.8	10/20/05 16:34 / sml
Cobalt	ND	mg/L			0.01	E200.8	10/20/05 16:34 / sml
Lead	ND	mg/L			0.05	E200.8	10/20/05 16:34 / sml
Manganese	1.28	mg/L			0.01	E200.7	10/19/05 17:33 / ts
Molybdenum	ND	mg/L			0.1	E200.7	10/19/05 17:33 / ts
Nickel	ND	mg/L			0.05	E200.8	10/20/05 16:34 / sml
Uranium	0.0011	mg/L			0.0003	E200.8	10/20/05 16:34 / sml
Vanadium	ND	mg/L			0.1	E200.7	10/19/05 17:33 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L			0.001	A3114 B	10/20/05 15:20 / sl
Selenium-IV	ND	mg/L			0.001	A3114 B	10/20/05 12:25 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.1	pCi/L			1.0	E900.1	10/20/05 16:55 / rs
Gross Alpha minus Rn & U Precision (±)	1.1	pCi/L				E900.1	10/20/05 16:55 / rs
Lead 210	ND	pCi/L			1.0	NERHL-65-4	10/25/05 10:30 / ph
Radium 226	1.6	pCi/L			0.2	E903.0	10/17/05 15:15 / df
Radium 226 precision (±)	0.5	pCi/L				E903.0	10/17/05 15:15 / df
Radium 228	3.7	pCi/L			1.0	RA-05	10/17/05 15:15 / pj
Radium 228 precision (±)	1.2	pCi/L				RA-05	10/17/05 15:15 / pj
Thorium 230	ND	pCi/L			0.2	E907.0	10/25/05 10:30 / ph

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: C05100643-002
Client Sample ID: EPA-2

Report Date: 11/04/05
Collection Date: 10/11/05 11:15
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	3.23	%				Calculation	10/26/05 10:33 / dab
Anions	37.9	meq/L				Calculation	10/26/05 10:33 / dab
Cations	40.4	meq/L				Calculation	10/26/05 10:33 / dab
Solids, Total Dissolved Calculated	2470	mg/L				Calculation	10/26/05 10:33 / dab
TDS Balance (0.80 - 1.20)	1.07	dec. %				Calculation	10/26/05 10:33 / dab
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	10/20/05 02:23 / rh
Surr: 1,2-Dichlorobenzene-d4	114	%REC			80-120	E624	10/20/05 02:23 / rh
Surr: Dibromofluoromethane	104	%REC			70-130	E624	10/20/05 02:23 / rh
Surr: p-Bromofluorobenzene	87.6	%REC			75-125	E624	10/20/05 02:23 / rh
Surr: Toluene-d8	97.2	%REC			80-120	E624	10/20/05 02:23 / rh

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-2	EPA-2	EPA-2	EPA-2	
Collection Date:		10/11/2005	7/19/2005	4/12/2005	1/11/2005	
Receive Date:		10/14/2005	7/22/2005	4/15/2005	1/14/2005	
Report Date:		11/4/2005	8/24/2005	5/9/2005	2/3/2005	
Analyte	Units	C05100643-002	C05070909-002	C05040662-002	C05010490-002	
Bicarbonate as HCO ₃	mg/L	284	389	348	356	
Calcium	mg/L	352	350	403	390	
Chloride	mg/L	23	20	22	23	
Magnesium	mg/L	163	160	185	180	
Nitrogen, Ammonia as N	mg/L	0.47	0.40	0.49	0.51	
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	
Potassium	mg/L	6.4	5.9	6.8	6.6	
Sodium	mg/L	199	195	206	201	
Sulfate	mg/L	1560	1420	1740	1630	
pH	s.u.	7.26	7.28	7.08	7.11	
Solids, Total Dissolved TDS @ 180 C	mg/L	2640	2590	2750	2850	
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	1.25	1.52	1.45	
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	0.0011	0.0011	0.0012	0.0018	
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)	1.5	2.7	
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.1		1.1	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	1.6	1.1	0.7	0.8	
Radium 226 precision (±)	pCi/L	0.5	0.4	0.4	0.4	
Radium 228	pCi/L	3.7	1.8	1.4	2.2	
Radium 228 precision (±)	pCi/L	1.2	0.9	1.2	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)		3.23	4.03	2.76	3.99	
Anions		37.9	36.6	42.6	40.5	
Cations		40.4	39.7	45.0	43.8	
Solids, Total Dissolved Calculated		2470	2370	2760	2630	
TDS Balance (0.80 - 1.20)		1.07	1.09	1.00	1.08	
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	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.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C05070909-006
Client Sample ID: EPA-4

Report Date: 08/25/05
Collection Date: 07/19/05 14:48
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	180	mg/L		1		A2320 B	07/26/05 18:34 / sl
Calcium	549	mg/L	D	0.6		E200.7	08/01/05 12:29 / ts
Chloride	33	mg/L		1		E200.7	08/01/05 12:26 / ts
Magnesium	386	mg/L	D	0.5		E200.7	08/01/05 12:29 / ts
Nitrogen, Ammonia as N	0.95	mg/L		0.05		A4500-NH3 G	07/28/05 13:02 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/27/05 08:10 / jal
Potassium	8.3	mg/L		0.5		E200.7	08/01/05 12:26 / ts
Sodium	193	mg/L		0.5		E200.7	08/01/05 12:26 / ts
Sulfate	2820	mg/L	D	8		E200.7	08/01/05 12:29 / ts
PHYSICAL PROPERTIES							
pH	6.82	s.u.		0.01		A4500-H B	07/25/05 13:17 / th
Solids, Total Dissolved TDS @ 180 C	4720	mg/L		10		A2540 C	07/25/05 12:27 / th
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	08/03/05 06:00 / bws
Beryllium	ND	mg/L		0.01		E200.8	08/03/05 06:00 / bws
Cadmium	ND	mg/L		0.005		E200.8	08/03/05 06:00 / bws
Cobalt	ND	mg/L		0.01		E200.7	08/01/05 12:26 / ts
Lead	ND	mg/L		0.05		E200.8	08/03/05 06:00 / bws
Manganese	3.23	mg/L		0.01		E200.7	08/01/05 12:26 / ts
Molybdenum	ND	mg/L		0.1		E200.7	08/01/05 12:26 / ts
Nickel	ND	mg/L		0.05		E200.8	08/03/05 06:00 / bws
Uranium	0.0004	mg/L		0.0003		E200.8	08/03/05 06:00 / bws
Vanadium	ND	mg/L		0.1		E200.7	08/01/05 12:26 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	07/25/05 09:43 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	07/25/05 14:52 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	2.6	pCi/L		1.0		E900.1	07/26/05 11:35 / rs
Gross Alpha minus Rn & U Precision (±)	1.2	pCi/L				E900.1	07/26/05 11:35 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	07/28/05 01:31 / ph
Radium 226	1.2	pCi/L		0.2		E903.0	07/25/05 14:05 / df
Radium 226 precision (±)	0.4	pCi/L				E903.0	07/25/05 14:05 / df
Radium 228	2.0	pCi/L		1.0		E904.0	07/25/05 14:05 / pj
Radium 228 precision (±)	1	pCi/L				E904.0	07/25/05 14:05 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	08/17/05 10:30 / ph

port
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: C05070909-006
Client Sample ID: EPA-4

Report Date: 08/25/05
Collection Date: 07/19/05 14:48
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	4.72	%				Calculation	08/09/05 10:27 / dab
Anions	62.6	meq/L				Calculation	08/09/05 10:27 / dab
Cations	68.8	meq/L				Calculation	08/09/05 10:27 / dab
Solids, Total Dissolved Calculated	4100	mg/L				Calculation	08/09/05 10:27 / dab
TDS Balance (0.80 - 1.20)	1.15	dec. %				Calculation	08/09/05 10:27 / dab
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	07/26/05 19:30 / jlr
Surr: 1,2-Dichlorobenzene-d4	104	%REC			80-120	E624	07/26/05 19:30 / jlr
Surr: Dibromofluoromethane	96.8	%REC			70-130	E624	07/26/05 19:30 / jlr
Surr: p-Bromofluorobenzene	102	%REC			75-125	E624	07/26/05 19:30 / jlr
Surr: Toluene-d8	94.8	%REC			80-120	E624	07/26/05 19:30 / jlr

port
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 I
Lab ID: C05100643-004
Client Sample ID: EPA-4

Report Date: 11/04/05
Collection Date: 10/11/05 13:47
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	174	mg/L		1		A2320 B	10/17/05 15:52 / th
Calcium	544	mg/L	D	0.6		E200.7	10/20/05 09:09 / ts
Chloride	39	mg/L		1		E200.7	10/19/05 17:39 / ts
Magnesium	382	mg/L	D	0.5		E200.7	10/20/05 09:09 / ts
Nitrogen, Ammonia as N	0.77	mg/L		0.05		A4500-NH3 G	10/18/05 12:09 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/17/05 11:53 / jal
Potassium	8.9	mg/L		0.5		E200.7	10/19/05 17:39 / ts
Sodium	190	mg/L		0.5		E200.7	10/19/05 17:39 / ts
Sulfate	2880	mg/L	D	8		E200.7	10/20/05 09:09 / ts
PHYSICAL PROPERTIES							
pH	7.02	s.u.		0.01		A4500-H B	10/17/05 13:53 / jc
Solids, Total Dissolved TDS @ 180 C	4580	mg/L		10		A2540 C	10/17/05 13:43 / jc
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	10/19/05 17:39 / ts
Beryllium	ND	mg/L		0.01		E200.8	10/20/05 16:48 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/20/05 16:48 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/20/05 16:48 / sml
Lead	ND	mg/L		0.05		E200.8	10/20/05 16:48 / sml
Manganese	3.24	mg/L		0.01		E200.7	10/19/05 17:39 / ts
Molybdenum	ND	mg/L		0.1		E200.7	10/19/05 17:39 / ts
Nickel	ND	mg/L		0.05		E200.8	10/20/05 16:48 / sml
Uranium	0.0005	mg/L		0.0003		E200.8	10/20/05 16:48 / sml
Vanadium	ND	mg/L		0.1		E200.7	10/19/05 17:39 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	10/20/05 15:24 / sl
Selenium-IV	ND	mg/L		0.001		A3114 B	10/20/05 12:29 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.6	pCi/L		1.0		E900.1	10/20/05 16:55 / rs
Gross Alpha minus Rn & U Precision (±)	1.1	pCi/L				E900.1	10/20/05 16:55 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	10/25/05 10:30 / ph
Radium 226	1.4	pCi/L		0.2		E903.0	10/17/05 15:15 / df
Radium 226 precision (±)	0.4	pCi/L				E903.0	10/17/05 15:15 / df
Radium 228	3.3	pCi/L		1.0		RA-05	10/17/05 15:15 / pj
Radium 228 precision (±)	1.2	pCi/L				RA-05	10/17/05 15:15 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	10/25/05 10:30 / ph

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: C05100643-004
Client Sample ID: EPA-4

Report Date: 11/04/05
Collection Date: 10/11/05 13:47
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	3.08	%				Calculation	10/26/05 10:34 / dab
Anions	63.8	meq/L				Calculation	10/26/05 10:34 / dab
Cations	67.9	meq/L				Calculation	10/26/05 10:34 / dab
Solids, Total Dissolved Calculated	4150	mg/L				Calculation	10/26/05 10:34 / dab
TDS Balance (0.80 - 1.20)	1.10	dec. %				Calculation	10/26/05 10:34 / dab
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	10/20/05 03:39 / rh
Surr: 1,2-Dichlorobenzene-d4	106	%REC			80-120	E624	10/20/05 03:39 / rh
Surr: Dibromofluoromethane	98.4	%REC			70-130	E624	10/20/05 03:39 / rh
Surr: p-Bromofluorobenzene	92.0	%REC			75-125	E624	10/20/05 03:39 / rh
Surr: Toluene-d8	98.0	%REC			80-120	E624	10/20/05 03:39 / rh

port
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-4	EPA-4	EPA-4	EPA-4	
Collection Date:		10/11/2005	7/19/2005	4/13/2005	1/11/2005	
Receive Date:		10/14/2005	7/22/2005	4/15/2005	1/14/2005	
Report Date:		11/4/2005	8/24/2005	5/9/2005	2/3/2005	
Analyte	Units	C05100643-004	C05070909-006	C05040662-005	C05010490-006	
Bicarbonate as HCO ₃	mg/L	174	180	165	165	
Calcium	mg/L	544	549	592	557	
Chloride	mg/L	39	33	40	39	
Magnesium	mg/L	382	386	410	382	
Nitrogen, Ammonia as N	mg/L	0.77	0.95	0.85	0.78	
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	
Potassium	mg/L	8.9	8.3	8.8	8.6	
Sodium	mg/L	190	193	201	192	
Sulfate	mg/L	2880	2820	3190	2890	
pH	s.u.	7.02	6.82	6.79	6.81	
Solids, Total Dissolved TDS @ 180 C	mg/L	4580	4720	4550	4750	
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	3.24	3.23	3.39	3.16	
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	0.0005	0.0004	0.0007	0.0004	
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	1.6	2.6	1.7	3.6	
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.1	1.2	1.1	1.5	
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	1.4	1.2	0.9	0.7	
Radium 226 precision (±)	pCi/L	0.4	0.4	0.4	0.4	
Radium 228	pCi/L	3.3	2.0	2.0	2.5	
Radium 228 precision (±)	pCi/L	1.2	1.0	1.2	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)		3.08	4.72	2.01	3.47	
Anions		63.8	62.6	70.3	64.0	
Cations		67.9	68.8	73.1	68.6	
Solids, Total Dissolved Calculated		4150	4100	4550	4170	
TDS Balance (0.80 - 1.20)		1.10	1.15	1.00	1.14	
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	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.

kls: r:\clients2005\unc_mining\unc_gallup-4th2005_final.xls



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C05070909-005
Client Sample ID: EPA-5

Report Date: 08/25/05
Collection Date: 07/19/05 14:04
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	100	mg/L		1		A2320 B	07/26/05 18:26 / sl
Calcium	466	mg/L	D	0.6		E200.7	08/01/05 12:23 / ts
Chloride	58	mg/L		1		E200.7	08/01/05 12:20 / ts
Magnesium	541	mg/L	D	0.5		E200.7	08/01/05 12:23 / ts
Nitrogen, Ammonia as N	7.7	mg/L	D	0.2		A4500-NH3 G	07/28/05 13:00 / jal
Nitrogen, Nitrate+Nitrite as N	23.1	mg/L	D	0.3		E353.2	07/25/05 11:49 / jal
Potassium	10	mg/L		0.5		E200.7	08/01/05 12:20 / ts
Sodium	136	mg/L		0.5		E200.7	08/01/05 12:20 / ts
Sulfate	3050	mg/L	D	8		E200.7	08/01/05 12:23 / ts
PHYSICAL PROPERTIES							
pH	6.51	s.u.		0.01		A4500-H B	07/25/05 13:10 / th
Solids, Total Dissolved TDS @ 180 C	5200	mg/L		10		A2540 C	07/25/05 12:26 / th
METALS - TOTAL							
Aluminum	0.1	mg/L		0.1		E200.8	08/03/05 05:53 / bws
Beryllium	ND	mg/L		0.01		E200.8	08/03/05 05:53 / bws
Cadmium	ND	mg/L		0.005		E200.8	08/03/05 05:53 / bws
Cobalt	0.07	mg/L		0.01		E200.7	08/01/05 12:20 / ts
Lead	ND	mg/L		0.05		E200.8	08/03/05 05:53 / bws
Manganese	1.14	mg/L		0.01		E200.7	08/01/05 12:20 / ts
Molybdenum	ND	mg/L		0.1		E200.7	08/01/05 12:20 / ts
Nickel	0.07	mg/L		0.05		E200.8	08/03/05 05:53 / bws
Uranium	0.0015	mg/L		0.0003		E200.8	08/03/05 05:53 / bws
Vanadium	ND	mg/L		0.1		E200.7	08/01/05 12:20 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	07/25/05 09:41 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	07/25/05 14:50 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.9	pCi/L		1.0		E900.1	07/26/05 11:35 / rs
Gross Alpha minus Rn & U Precision (±)	1.1	pCi/L				E900.1	07/26/05 11:35 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	07/28/05 01:31 / ph
Radium 226	1.0	pCi/L		0.2		E903.0	07/25/05 14:05 / df
Radium 226 precision (±)	0.4	pCi/L				E903.0	07/25/05 14:05 / df
Radium 228	ND	pCi/L		1.0		E904.0	07/25/05 14:05 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	08/17/05 10:30 / ph

port 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: C05070909-005
Client Sample ID: EPA-5

Report Date: 08/25/05
Collection Date: 07/19/05 14:04
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	4.37	%				Calculation	08/09/05 10:27 / dab
Anions	68.4	meq/L				Calculation	08/09/05 10:27 / dab
Cations	74.6	meq/L				Calculation	08/09/05 10:27 / dab
Solids, Total Dissolved Calculated	4420	mg/L				Calculation	08/09/05 10:27 / dab
TDS Balance (0.80 - 1.20)	1.18	dec. %				Calculation	08/09/05 10:27 / dab
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	07/26/05 18:53 / jlr
Surr: 1,2-Dichlorobenzene-d4	106	%REC			80-120	E624	07/26/05 18:53 / jlr
Surr: Dibromofluoromethane	102	%REC			70-130	E624	07/26/05 18:53 / jlr
Surr: p-Bromofluorobenzene	102	%REC			75-125	E624	07/26/05 18:53 / jlr
Surr: Toluene-d8	95.2	%REC			80-120	E624	07/26/05 18:53 / jlr

port
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: C05100643-005

Client Sample ID: EPA-5

Report Date: 11/04/05

Collection Date: 10/11/05 14:29

Date Received: 10/14/05

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	92	mg/L			1	A2320 B	10/17/05 15:52 / th
Calcium	466	mg/L	D		0.6	E200.7	10/20/05 09:12 / ts
Chloride	66	mg/L			1	E200.7	10/24/05 11:23 / ts
Magnesium	538	mg/L	D		0.5	E200.7	10/20/05 09:12 / ts
Nitrogen, Ammonia as N	7.8	mg/L	D		0.2	A4500-NH3 G	10/18/05 12:11 / jal
Nitrogen, Nitrate+Nitrite as N	22.4	mg/L	D		0.3	E353.2	10/17/05 11:55 / jal
Potassium	10.6	mg/L			0.5	E200.7	10/19/05 17:51 / ts
Sodium	138	mg/L			0.5	E200.7	10/19/05 17:51 / ts
Sulfate	3120	mg/L	D		8	E200.7	10/20/05 09:12 / ts
PHYSICAL PROPERTIES							
pH	6.51	s.u.			0.01	A4500-H B	10/17/05 13:59 / jc
Solids, Total Dissolved TDS @ 180 C	5120	mg/L			10	A2540 C	10/17/05 13:43 / jc
METALS - TOTAL							
Aluminum	ND	mg/L			0.1	E200.7	10/19/05 17:51 / ts
Beryllium	ND	mg/L			0.01	E200.8	10/20/05 17:21 / sml
Cadmium	ND	mg/L			0.005	E200.8	10/20/05 17:21 / sml
Cobalt	0.08	mg/L			0.01	E200.8	10/20/05 17:21 / sml
Lead	ND	mg/L			0.05	E200.8	10/20/05 17:21 / sml
Manganese	1.23	mg/L			0.01	E200.7	10/19/05 17:51 / ts
Molybdenum	ND	mg/L			0.1	E200.7	10/19/05 17:51 / ts
Nickel	0.06	mg/L			0.05	E200.8	10/20/05 17:21 / sml
Uranium	0.0014	mg/L			0.0003	E200.8	10/20/05 17:21 / sml
Vanadium	ND	mg/L			0.1	E200.7	10/19/05 17:51 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L			0.001	A3114 B	10/20/05 15:26 / sl
Selenium-IV	ND	mg/L			0.001	A3114 B	10/20/05 12:31 / sl
Selenium-IV	ND	mg/L			0.001	A3114 B	10/20/05 12:35 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	4.0	pCi/L			1.0	E900.1	10/20/05 16:55 / rs
Gross Alpha minus Rn & U Precision (±)	1.4	pCi/L				E900.1	10/20/05 16:55 / rs
Lead 210	ND	pCi/L			1.0	NERHL-65-4	10/25/05 10:30 / ph
Radium 226	1.7	pCi/L			0.2	E903.0	10/17/05 15:15 / df
Radium 226 precision (±)	0.5	pCi/L				E903.0	10/17/05 15:15 / df
Radium 228	1.6	pCi/L			1.0	RA-05	10/17/05 15:15 / pj
Radium 228 precision (±)	1.1	pCi/L				RA-05	10/17/05 15:15 / pj
Thorium 230	ND	pCi/L			0.2	E907.0	10/25/05 10:30 / ph

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: C05100643-005
Client Sample ID: EPA-5

Report Date: 11/04/05
Collection Date: 10/11/05 14:29
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	3.20	%				Calculation	10/26/05 10:34 / dab
Anions	69.9	meq/L				Calculation	10/26/05 10:34 / dab
Cations	74.5	meq/L				Calculation	10/26/05 10:34 / dab
Solids, Total Dissolved Calculated	4490	mg/L				Calculation	10/26/05 10:34 / dab
TDS Balance (0.80 - 1.20)	1.14	dec. %				Calculation	10/26/05 10:34 / dab
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	10/20/05 04:17 / rh
Surr: 1,2-Dichlorobenzene-d4	109	%REC			80-120	E624	10/20/05 04:17 / rh
Surr: Dibromofluoromethane	101	%REC			70-130	E624	10/20/05 04:17 / rh
Surr: p-Bromofluorobenzene	81.2	%REC			75-125	E624	10/20/05 04:17 / rh
Surr: Toluene-d8	96.0	%REC			80-120	E624	10/20/05 04:17 / rh

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:		10/11/2005	7/19/2005	4/13/2005	1/11/2005	
Receive Date:		10/14/2005	7/22/2005	4/15/2005	1/14/2005	
Report Date:		11/4/2005	8/24/2005	5/9/2005	2/3/2005	
Analyte	Units	C05100643-005	C05070909-005	C05040662-006	C05010490-005	
Bicarbonate as HCO ₃	mg/L	92	100	85	86	
Calcium	mg/L	466	466	496	494	
Chloride	mg/L	66	58	72	68	
Magnesium	mg/L	538	541	566	563	
Nitrogen, Ammonia as N	mg/L	7.8	7.7	8.3	7.8	
Nitrogen, Nitrate+Nitrite as N	mg/L	22.4	23.1	23.6	23.0	
Potassium	mg/L	10.6	10	10.7	10.7	
Sodium	mg/L	138	136	146	138	
Sulfate	mg/L	3120	3050	3410	3250	
pH	s.u.	6.51	6.51	6.29	6.41	
Solids, Total Dissolved TDS @ 180 C	mg/L	5120	5200	4950	5220	
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	0.08	0.07	0.08	0.09	
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	
Manganese	mg/L	1.23	1.14	1.31	1.26	
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	
Nickel	mg/L	0.06	0.07	0.07	0.09	
Uranium	mg/L	0.0014	0.0015	0.0013	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)	ND(0.001)	0.001	
Gross Alpha minus Rn & U	pCi/L	4.0	1.9	3.3	4.2	
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.4	1.1	1.3	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	1.7	1.0	1.3	1.1	
Radium 226 precision (±)	pCi/L	0.5	0.4	0.4	0.5	
Radium 228	pCi/L	1.6	ND(1.0)	1.6	1.5	
Radium 228 precision (±)	pCi/L	1.1		1.2	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)		3.20	4.37	1.65	3.44	
Anions		69.9	68.4	76.1	72.7	
Cations		74.5	74.6	78.7	77.9	
Solids, Total Dissolved Calculated		4490	4420	4860	4680	
TDS Balance (0.80 - 1.20)		1.14	1.18	1.02	1.12	
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	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.

kls: r:\clients\2005\unc_mining\unc_gallup-4th2005_final.xls



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C05070909-004
Client Sample ID: EPA-7

Report Date: 08/25/05
Collection Date: 07/19/05 13:35
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	542	mg/L			1	A2320 B	07/26/05 18:19 / sl
Calcium	497	mg/L	D		0.6	E200.7	08/01/05 12:17 / ts
Chloride	184	mg/L			1	E200.7	08/01/05 12:14 / ts
Magnesium	884	mg/L	D		0.5	E200.7	08/01/05 12:17 / ts
Nitrogen, Ammonia as N	0.41	mg/L			0.05	A4500-NH3 G	07/28/05 12:58 / jal
Nitrogen, Nitrate+Nitrite as N	122	mg/L	D		3	E353.2	07/25/05 11:34 / jal
Potassium	7.4	mg/L			0.5	E200.7	08/01/05 12:14 / ts
Sodium	332	mg/L			0.5	E200.7	08/01/05 12:14 / ts
Sulfate	3960	mg/L	D		8	E200.7	08/01/05 12:17 / ts
PHYSICAL PROPERTIES							
pH	6.76	s.u.			0.01	A4500-H B	07/25/05 13:08 / th
Solids, Total Dissolved TDS @ 180 C	7920	mg/L			10	A2540 C	07/25/05 12:26 / th
METALS - TOTAL							
Aluminum	0.3	mg/L			0.1	E200.8	08/03/05 05:46 / bws
Beryllium	ND	mg/L			0.01	E200.8	08/03/05 05:46 / bws
Cadmium	ND	mg/L			0.005	E200.8	08/03/05 05:46 / bws
Cobalt	0.02	mg/L			0.01	E200.7	08/01/05 12:14 / ts
Lead	ND	mg/L			0.05	E200.8	08/03/05 05:46 / bws
Manganese	2.71	mg/L			0.01	E200.7	08/01/05 12:14 / ts
Molybdenum	ND	mg/L			0.1	E200.7	08/01/05 12:14 / ts
Nickel	ND	mg/L			0.05	E200.8	08/03/05 05:46 / bws
Uranium	0.0022	mg/L			0.0003	E200.8	08/03/05 05:46 / bws
Vanadium	ND	mg/L			0.1	E200.7	08/01/05 12:14 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L			0.001	A3114 B	07/25/05 09:39 / sml
Selenium-IV	ND	mg/L			0.001	A3114 B	07/25/05 14:48 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	2.5	pCi/L			1.0	E900.1	07/26/05 11:35 / rs
Gross Alpha minus Rn & U Precision (±)	1.2	pCi/L				E900.1	07/26/05 11:35 / rs
Lead 210	ND	pCi/L			1.0	NERHL-65-4	07/28/05 01:31 / ph
Radium 226	0.7	pCi/L			0.2	E903.0	07/25/05 14:05 / df
Radium 226 precision (±)	0.4	pCi/L				E903.0	07/25/05 14:05 / df
Radium 228	1.8	pCi/L			1.0	E904.0	07/25/05 14:05 / pj
Radium 228 precision (±)	0.9	pCi/L				E904.0	07/25/05 14:05 / pj
Thorium 230	ND	pCi/L			0.2	E907.0	08/17/05 10:30 / ph

port
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: C05070909-004
Client Sample ID: EPA-7

Report Date: 08/25/05
Collection Date: 07/19/05 13:35
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	3.37	%				Calculation	08/09/05 10:25 / dab
Anions	105	meq/L				Calculation	08/09/05 10:25 / dab
Cations	112	meq/L				Calculation	08/09/05 10:25 / dab
Solids, Total Dissolved Calculated	6670	mg/L				Calculation	08/09/05 10:25 / dab
TDS Balance (0.80 - 1.20)	1.19	dec. %				Calculation	08/09/05 10:25 / dab
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	07/26/05 18:16 / jlr
Surr: 1,2-Dichlorobenzene-d4	108	%REC			80-120	E624	07/26/05 18:16 / jlr
Surr: Dibromofluoromethane	104	%REC			70-130	E624	07/26/05 18:16 / jlr
Surr: p-Bromofluorobenzene	104	%REC			75-125	E624	07/26/05 18:16 / jlr
Surr: Toluene-d8	96.0	%REC			80-120	E624	07/26/05 18:16 / jlr

Port
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: C05100643-006
Client Sample ID: EPA-7

Report Date: 11/04/05
Collection Date: 10/11/05 15:02
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	564	mg/L		1		A2320 B	10/17/05 15:52 / th
Calcium	494	mg/L	D	0.6		E200.7	10/20/05 09:16 / ts
Chloride	203	mg/L		1		E200.7	10/19/05 17:54 / ts
Magnesium	896	mg/L	D	0.5		E200.7	10/20/05 09:16 / ts
Nitrogen, Ammonia as N	0.54	mg/L		0.05		A4500-NH3 G	10/18/05 12:19 / jal
Nitrogen, Nitrate+Nitrite as N	125	mg/L	D	3		E353.2	10/17/05 11:58 / jal
Potassium	8.0	mg/L		0.5		E200.7	10/19/05 17:54 / ts
Sodium	333	mg/L		0.5		E200.7	10/19/05 17:54 / ts
Sulfate	4100	mg/L	D	8		E200.7	10/20/05 09:16 / ts
PHYSICAL PROPERTIES							
pH	6.78	s.u.		0.01		A4500-H B	10/17/05 14:14 / jc
Solids, Total Dissolved TDS @ 180 C	7790	mg/L		10		A2540 C	10/17/05 13:43 / jc
METALS - TOTAL							
Aluminum	0.3	mg/L		0.1		E200.7	10/20/05 09:16 / ts
Beryllium	ND	mg/L		0.01		E200.8	10/20/05 17:28 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/20/05 17:28 / sml
Cobalt	0.02	mg/L		0.01		E200.8	10/20/05 17:28 / sml
Lead	ND	mg/L		0.05		E200.8	10/20/05 17:28 / sml
Manganese	2.80	mg/L		0.01		E200.7	10/19/05 17:54 / ts
Molybdenum	ND	mg/L		0.1		E200.7	10/19/05 17:54 / ts
Nickel	ND	mg/L		0.05		E200.8	10/20/05 17:28 / sml
Uranium	0.0018	mg/L	D	0.0004		E200.8	10/20/05 17:28 / sml
Vanadium	ND	mg/L		0.1		E200.7	10/19/05 17:54 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	10/20/05 15:28 / sl
Selenium-IV	ND	mg/L		0.001		A3114 B	10/20/05 12:33 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	2.8	pCi/L		1.0		E900.1	10/20/05 16:55 / rs
Gross Alpha minus Rn & U Precision (±)	1.3	pCi/L				E900.1	10/20/05 16:55 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	10/25/05 10:30 / ph
Radium 226	1.1	pCi/L		0.2		E903.0	10/17/05 15:15 / df
Radium 226 precision (±)	0.4	pCi/L				E903.0	10/17/05 15:15 / df
Radium 228	1.4	pCi/L		1.0		RA-05	10/17/05 15:15 / pj
Radium 228 precision (±)	1.1	pCi/L				RA-05	10/17/05 15:15 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	10/25/05 10:30 / ph

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: C05100643-006
Client Sample ID: EPA-7

Report Date: 11/04/05
Collection Date: 10/11/05 15:02
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	1.87	%				Calculation	10/26/05 10:34 / dab
Anions	109	meq/L				Calculation	10/26/05 10:34 / dab
Cations	113	meq/L				Calculation	10/26/05 10:34 / dab
Solids, Total Dissolved Calculated	6870	mg/L				Calculation	10/26/05 10:34 / dab
TDS Balance (0.80 - 1.20)	1.13	dec. %				Calculation	10/26/05 10:34 / dab
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	10/20/05 04:55 / rh
Surr: 1,2-Dichlorobenzene-d4	98.4	%REC			80-120	E624	10/20/05 04:55 / rh
Surr: Dibromofluoromethane	100	%REC			70-130	E624	10/20/05 04:55 / rh
Surr: p-Bromofluorobenzene	89.6	%REC			75-125	E624	10/20/05 04:55 / rh
Surr: Toluene-d8	99.6	%REC			80-120	E624	10/20/05 04:55 / rh

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-7		EPA-7		EPA-7	
Collection Date:	10/11/2005		7/19/2005		4/12/2005	
Receive Date:	10/14/2005		7/22/2005		4/15/2005	
Report Date:	11/4/2005		8/24/2005		5/9/2005	
Analyte	Units	C05100643-006	C05070909-004	C05040662-004	C05010490-004	
Bicarbonate as HCO ₃	mg/L	564	542	530	545	
Calcium	mg/L	494	497	520	527	
Chloride	mg/L	203	184	206	197	
Magnesium	mg/L	896	884	906	920	
Nitrogen, Ammonia as N	mg/L	0.54	0.41	0.36	0.32	
Nitrogen, Nitrate+Nitrite as N	mg/L	125	122	119	110	
Potassium	mg/L	8.0	7.4	7.8	8.0	
Sodium	mg/L	333	332	344	324	
Sulfate	mg/L	4100	3960	4320	4260	
pH	s.u.	6.78	6.76	6.46	6.57	
Solids, Total Dissolved TDS @ 180 C	mg/L	7790	7920	7650	7800	
Aluminum	mg/L	0.3	0.3	0.4	0.5	
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	0.03	0.03	
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	
Manganese	mg/L	2.80	2.71	3.17	3.44	
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)	0.05	
Uranium	mg/L	0.0018	0.0022	0.0023	0.0021	
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)	0.001	
Gross Alpha minus Rn & U	pCi/L	2.8	2.5	1.8	1.7	
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.3	1.2	1.1	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	1.1	0.7	0.5	0.7	
Radium 226 precision (±)	pCi/L	0.4	0.4	0.3	0.4	
Radium 228	pCi/L	1.4	1.8	ND(1.0)	ND(1.0)	
Radium 228 precision (±)	pCi/L	1.1	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)		1.87	3.37	1.30	2.48	
Anions		109	105	113	111	
Cations		113	112	116	117	
Solids, Total Dissolved Calculated		6870	6670	7100	6990	
TDS Balance (0.80 - 1.20)		1.13	1.19	1.08	1.12	
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	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.

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QUARTERLY SAMPLING
SEMI-ANNUAL GROUND WATER MONITORING REPORT

JULY AND OCTOBER OF 2005

ZONE - 3

504-B

*517

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: C05070910-002

Client Sample ID: 504-B

Report Date: 08/26/05

Collection Date: 07/18/05 11:15

Date Received: 07/22/05

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	ND	mg/L		1		A2320 B	07/27/05 10:10 / sl
Calcium	512	mg/L	D	0.6		E200.7	08/01/05 14:51 / ts
Chloride	29	mg/L		1		E200.7	08/01/05 14:48 / ts
Magnesium	684	mg/L	D	0.5		E200.7	08/01/05 14:51 / ts
Nitrogen, Ammonia as N	0.96	mg/L		0.05		A4500-NH3 G	07/28/05 13:14 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/27/05 08:18 / jal
Potassium	12.2	mg/L		0.5		E200.7	08/01/05 14:48 / ts
Sodium	162	mg/L		0.5		E200.7	08/01/05 14:48 / ts
Sulfate	4150	mg/L	D	8		E200.7	08/01/05 14:51 / ts
PHYSICAL PROPERTIES							
pH	3.30	s.u.		0.01		A4500-H B	07/25/05 13:26 / th
Solids, Total Dissolved TDS @ 180 C	6300	mg/L		10		A2540 C	07/25/05 12:28 / th
METALS - TOTAL							
Aluminum	0.3	mg/L		0.1		E200.8	08/03/05 06:53 / bws
Beryllium	ND	mg/L		0.01		E200.8	08/03/05 06:53 / bws
Cadmium	ND	mg/L		0.005		E200.8	08/03/05 06:53 / bws
Cobalt	0.24	mg/L		0.01		E200.7	08/01/05 14:48 / ts
Lead	ND	mg/L		0.05		E200.8	08/03/05 06:53 / bws
Manganese	6.85	mg/L		0.01		E200.7	08/01/05 14:48 / ts
Molybdenum	0.7	mg/L		0.1		E200.7	08/01/05 14:48 / ts
Nickel	0.30	mg/L		0.05		E200.8	08/03/05 06:53 / bws
Uranium	0.0206	mg/L		0.0003		E200.8	08/03/05 06:53 / bws
Vanadium	ND	mg/L		0.1		E200.7	08/01/05 14:48 / ts
METALS - SPECIATED							
Arsenic-III	0.02	mg/L		0.001		A3114 B	07/25/05 09:57 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	07/25/05 14:58 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	19.1	pCi/L		1.0		E900.1	07/28/05 15:25 / rs
Gross Alpha minus Rn & U Precision (±)	2.7	pCi/L				E900.1	07/28/05 15:25 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	07/29/05 12:57 / ph
Radium 226	10.7	pCi/L		0.2		E903.0	07/25/05 14:05 / df
Radium 226 precision (±)	1.0	pCi/L				E903.0	07/25/05 14:05 / df
Radium 228	13.4	pCi/L		1.0		E904.0	07/25/05 14:05 / pj
Radium 228 precision (±)	1.2	pCi/L				E904.0	07/25/05 14:05 / pj
Thorium 230	2.4	pCi/L		0.2		E907.0	08/17/05 10:30 / ph
Thorium 230 precision (±)	1.2	pCi/L				E907.0	08/17/05 10:30 / ph

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: C05070910-002
Client Sample ID: 504-B

Report Date: 08/26/05
Collection Date: 07/18/05 11:15
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	3.15	%				Calculation	08/09/05 10:32 / dab
Anions	87.1	meq/L				Calculation	08/09/05 10:32 / dab
Cations	92.8	meq/L				Calculation	08/09/05 10:32 / dab
Solids, Total Dissolved Calculated	5560	mg/L				Calculation	08/09/05 10:32 / dab
TDS Balance (0.80 - 1.20)	1.13	dec. %				Calculation	08/09/05 10:32 / dab
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	07/26/05 19:49 / rh
Surr: 1,2-Dichlorobenzene-d4	111	%REC			80-120	E624	07/26/05 19:49 / rh
Surr: Dibromofluoromethane	94.4	%REC			70-130	E624	07/26/05 19:49 / rh
Surr: p-Bromofluorobenzene	90.8	%REC			75-125	E624	07/26/05 19:49 / rh
Surr: Toluene-d8	96.4	%REC			80-120	E624	07/26/05 19:49 / rh

port
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: C05100641-002
Client Sample ID: 504-B

Report Date: 11/04/05
Collection Date: 10/10/05 10:43
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	ND	mg/L		1		A2320 B	10/17/05 15:52 / th
Calcium	525	mg/L	D	0.6		E200.7	10/19/05 16:24 / ts
Chloride	29	mg/L		1		E200.7	10/19/05 15:14 / ts
Magnesium	415	mg/L	D	0.5		E200.7	10/19/05 16:24 / ts
Nitrogen, Ammonia as N	0.93	mg/L		0.05		A4500-NH3 G	10/18/05 11:08 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/17/05 10:58 / jal
Potassium	10	mg/L		0.5		E200.7	10/19/05 15:14 / ts
Sodium	126	mg/L		0.5		E200.7	10/19/05 15:14 / ts
Sulfate	3040	mg/L	D	8		E200.7	10/19/05 16:24 / ts
PHYSICAL PROPERTIES							
pH	5.07	s.u.		0.01		A4500-H B	10/17/05 13:06 / jc
Solids, Total Dissolved TDS @ 180 C	4250	mg/L		10		A2540 C	10/17/05 13:36 / jc
METALS - TOTAL							
Aluminum	13.7	mg/L		0.1		E200.7	10/19/05 15:14 / ts
Beryllium	ND	mg/L		0.01		E200.8	10/20/05 17:54 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/20/05 17:54 / sml
Cobalt	0.27	mg/L		0.01		E200.8	10/20/05 17:54 / sml
Lead	ND	mg/L		0.05		E200.8	10/20/05 17:54 / sml
Manganese	5.02	mg/L		0.01		E200.7	10/19/05 15:14 / ts
Molybdenum	ND	mg/L		0.1		E200.7	10/19/05 15:14 / ts
Nickel	0.28	mg/L		0.05		E200.8	10/20/05 17:54 / sml
Uranium	0.0190	mg/L		0.0003		E200.8	10/20/05 17:54 / sml
Vanadium	ND	mg/L		0.1		E200.7	10/19/05 15:14 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	10/20/05 14:38 / sl
Selenium-IV	ND	mg/L		0.001		A3114 B	10/20/05 11:49 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	16.8	pCi/L		1.0		E900.1	10/20/05 16:55 / rs
Gross Alpha minus Rn & U Precision (±)	2.6	pCi/L				E900.1	10/20/05 16:55 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	10/25/05 10:30 / ph
Radium 226	14.8	pCi/L		0.2		E903.0	10/17/05 15:15 / df
Radium 226 precision (±)	1.3	pCi/L				E903.0	10/17/05 15:15 / df
Radium 228	14.5	pCi/L		1.0		RA-05	10/17/05 15:15 / pj
Radium 228 precision (±)	1.6	pCi/L				RA-05	10/17/05 15:15 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	10/25/05 10:30 / ph

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: C05100641-002
Client Sample ID: 504-B

Report Date: 11/04/05
Collection Date: 10/10/05 10:43
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	3.04	%				Calculation	10/28/05 15:51 / dab
Anions	64.1	meq/L				Calculation	10/28/05 15:51 / dab
Cations	68.1	meq/L				Calculation	10/28/05 15:51 / dab
Solids, Total Dissolved Calculated	4160	mg/L				Calculation	10/28/05 15:51 / dab
TDS Balance (0.80 - 1.20)	1.02	dec. %				Calculation	10/28/05 15:51 / dab
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	10/17/05 17:30 / jlr
Surr: 1,2-Dichlorobenzene-d4	104	%REC			80-120	E624	10/17/05 17:30 / jlr
Surr: Dibromofluoromethane	114	%REC			70-130	E624	10/17/05 17:30 / jlr
Surr: p-Bromofluorobenzene	101	%REC			75-125	E624	10/17/05 17:30 / jlr
Surr: Toluene-d8	94.4	%REC			80-120	E624	10/17/05 17:30 / 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:		504-B	504-B	504-B	504-B	
Collection Date:		10/10/2005	7/18/2005	4/11/2005	1/10/2005	
Receive Date:		10/14/2005	7/22/2005	4/15/2005	1/14/2005	
Report Date:		11/4/2005	8/24/2005	5/11/2005	2/3/2005	
Analyte	Units	C05100641-002	C05070910-002	C05040663-003	C05010491-002	
Bicarbonate as HCO ₃	mg/L	ND(1)	ND(1)	ND(1)	ND(1)	
Calcium	mg/L	525	512	512	488	
Chloride	mg/L	29	29	30	29	
Magnesium	mg/L	415	684	693	660	
Nitrogen, Ammonia as N	mg/L	0.93	0.96	1.07	0.91	
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	
Potassium	mg/L	10	12.2	12.4	12.1	
Sodium	mg/L	126	162	166	150	
Sulfate	mg/L	3040	4150	4340	3970	
pH	s.u.	5.07	3.30	4.27	3.37	
Solids, Total Dissolved TDS @ 180 C	mg/L	4240 4250	6300	5990	6240	
Aluminum	mg/L	13.7	0.3	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	0.27	0.24	0.24	0.26	
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	
Manganese	mg/L	5.02	6.85	7.10	6.41	
Molybdenum	mg/L	ND(0.1)	0.7	2.5	2.3	
Nickel	mg/L	0.28	0.30	0.28	0.29	
Uranium	mg/L	0.0190	0.0206	0.0254	0.0254	
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	
Arsenic-III	mg/L	ND(0.001)	0.02	0.02	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	16.8	19.1	15.6	20.8	
Gross Alpha minus Rn & U Precision (±)	pCi/L	2.6	2.7	1.6	1.5	
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	14.8	10.7	14.4	7.8	
Radium 226 precision (±)	pCi/L	1.3	1.0	1.2	1.1	
Radium 228	pCi/L	14.5	13.4	14.6	10	
Radium 228 precision (±)	pCi/L	1.6	1.2	1.3	1.7	
Thorium 230	pCi/L	ND(0.2)	2.4	ND(0.2)	ND(0.2)	
Thorium 230 precision (±)	pCi/L		1.2			
A/C Balance (± 5)		3.04	3.15	1.44	3.07	
Anions		64.1	87.1	91.2	83.5	
Cations		68.1	92.8	93.8	88.8	
Solids, Total Dissolved Calculated		4160	5560	5770	5330	
TDS Balance (0.80 - 1.20)		1.02	1.13	1.04	1.17	
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	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.

kls: r:\clients\2005\unc_mining\unc_gallup-4th2005_final.xls



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp

Project: Zone 3

Lab ID: C05070604-002

Client Sample ID: 517

Report Date: 08/09/05

Collection Date: 07/12/05 15:20

Date Received: 07/15/05

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	ND	mg/L		1		A2320 B	07/21/05 12:26 / sl
Calcium	505	mg/L	D	0.6		E200.7	07/25/05 15:47 / ts
Chloride	42	mg/L		1		E200.7	07/25/05 15:47 / ts
Magnesium	443	mg/L	D	0.5		E200.7	07/25/05 15:47 / ts
Nitrogen, Ammonia as N	9.7	mg/L	D	0.1		A4500-NH3 G	07/21/05 09:27 / jal
Nitrogen, Nitrate+Nitrite as N	0.1	mg/L		0.1		E353.2	07/18/05 13:58 / jal
Potassium	9.2	mg/L		0.5		E200.7	07/21/05 15:46 / ts
Sodium	142	mg/L		0.5		E200.7	07/21/05 15:46 / ts
Sulfate	3270	mg/L	D	8		E200.7	07/25/05 15:47 / ts
PHYSICAL PROPERTIES							
pH	3.93	s.u.		0.01		A4500-H B	07/18/05 12:47 / th
Solids, Total Dissolved TDS @ 180 C	4910	mg/L		10		A2540 C	07/18/05 16:02 / th
METALS - TOTAL							
Aluminum	4.1	mg/L		0.1		E200.8	07/21/05 06:04 / bws
Beryllium	ND	mg/L		0.01		E200.8	07/21/05 06:04 / bws
Cadmium	0.007	mg/L		0.005		E200.8	07/21/05 06:04 / bws
Cobalt	0.74	mg/L		0.01		E200.8	07/21/05 06:04 / bws
Lead	ND	mg/L		0.05		E200.8	07/21/05 06:04 / bws
Manganese	7.39	mg/L		0.01		E200.8	07/21/05 06:04 / bws
Molybdenum	ND	mg/L		0.1		E200.8	07/21/05 06:04 / bws
Nickel	0.69	mg/L		0.05		E200.8	07/21/05 06:04 / bws
Uranium	0.0407	mg/L		0.0003		E200.8	07/21/05 06:04 / bws
Vanadium	ND	mg/L		0.1		E200.8	07/21/05 06:04 / bws
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	07/18/05 14:09 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	07/19/05 10:17 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	42.6	pCi/L		1.0		E900.1	07/18/05 16:45 / rs
Gross Alpha minus Rn & U Precision (±)	4.5	pCi/L				E900.1	07/18/05 16:45 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	07/21/05 10:30 / ph
Radium 226	11.6	pCi/L		0.2		E903.0	07/18/05 15:15 / df
Radium 226 precision (±)	1.1	pCi/L				E903.0	07/18/05 15:15 / df
Radium 228	9.3	pCi/L		1.0		E904.0	07/18/05 15:15 / pj
Radium 228 precision (±)	1.4	pCi/L				E904.0	07/18/05 15:15 / pj
Thorium 230	0.2	pCi/L		0.2		E907.0	07/21/05 10:30 / ph
Thorium 230 precision (±)	0.2	pCi/L				E907.0	07/21/05 10:30 / ph

port
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: C05070604-002
Client Sample ID: 517

Report Date: 08/09/05
Collection Date: 07/12/05 15:20
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	2.25	%				Calculation	07/29/05 14:21 / smd
Anions	69.3	meq/L				Calculation	07/29/05 14:21 / smd
Cations	72.5	meq/L				Calculation	07/29/05 14:21 / smd
Solids, Total Dissolved Calculated	4440	mg/L				Calculation	07/29/05 14:21 / smd
TDS Balance (0.80 - 1.20)	1.11	dec. %				Calculation	07/29/05 14:21 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	6.4	ug/L		1.0		E624	07/21/05 09:44 / jlr
Surr: 1,2-Dichlorobenzene-d4	107	%REC			80-120	E624	07/21/05 09:44 / jlr
Surr: Dibromofluoromethane	128	%REC			70-130	E624	07/21/05 09:44 / jlr
Surr: p-Bromofluorobenzene	104	%REC			75-125	E624	07/21/05 09:44 / jlr
Surr: Toluene-d8	100	%REC			80-120	E624	07/21/05 09:44 / 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 3
Lab ID: C05100641-007
Client Sample ID: 517

Report Date: 11/04/05
Collection Date: 10/10/05 15:05
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/ RL QCL	Method	Analysis Date / By
MAJOR IONS						
Bicarbonate as HCO ₃	ND	mg/L		1	A2320 B	10/17/05 15:52 / th
Calcium	502	mg/L	D	0.6	E200.7	10/19/05 16:39 / ts
Chloride	46	mg/L		1	E200.7	10/19/05 15:38 / ts
Magnesium	467	mg/L	D	0.5	E200.7	10/19/05 16:39 / ts
Nitrogen, Ammonia as N	8.6	mg/L	D	0.2	A4500-NH ₃ G	10/18/05 11:50 / jal
Nitrogen, Nitrate+Nitrite as N	0.4	mg/L		0.1	E353.2	10/17/05 11:18 / jal
Potassium	10	mg/L		0.5	E200.7	10/19/05 15:38 / ts
Sodium	146	mg/L		0.5	E200.7	10/19/05 15:38 / ts
Sulfate	3260	mg/L	D	8	E200.7	10/19/05 16:39 / ts
PHYSICAL PROPERTIES						
pH	3.86	s.u.		0.01	A4500-H B	10/17/05 13:20 / jc
Solids, Total Dissolved TDS @ 180 C	4880	mg/L		10	A2540 C	10/17/05 13:40 / jc
METALS - TOTAL						
Aluminum	4.8	mg/L		0.1	E200.7	10/19/05 15:38 / ts
Beryllium	ND	mg/L		0.01	E200.8	10/20/05 19:14 / sml
Cadmium	0.007	mg/L		0.005	E200.8	10/20/05 19:14 / sml
Cobalt	0.78	mg/L		0.01	E200.8	10/20/05 19:14 / sml
Lead	ND	mg/L		0.05	E200.8	10/20/05 19:14 / sml
Manganese	7.49	mg/L		0.01	E200.7	10/19/05 15:38 / ts
Molybdenum	ND	mg/L		0.1	E200.7	10/19/05 15:38 / ts
Nickel	0.68	mg/L		0.05	E200.8	10/20/05 19:14 / sml
Uranium	0.0447	mg/L		0.0003	E200.8	10/20/05 19:14 / sml
Vanadium	ND	mg/L		0.1	E200.7	10/19/05 15:38 / ts
METALS - SPECIATED						
Arsenic-III	ND	mg/L		0.001	A3114 B	10/20/05 14:48 / sl
Selenium-IV	ND	mg/L		0.001	A3114 B	10/20/05 12:00 / sl
RADIONUCLIDES - TOTAL						
Gross Alpha minus Rn & U	16.7	pCi/L		1.0	E900.1	10/20/05 16:55 / rs
Gross Alpha minus Rn & U Precision (±)	2.5	pCi/L			E900.1	10/20/05 16:55 / rs
Lead 210	ND	pCi/L		1.0	NERHL-65-4	10/25/05 10:30 / ph
Radium 226	10.3	pCi/L		0.2	E903.0	10/17/05 15:15 / df
Radium 226 precision (±)	1.1	pCi/L			E903.0	10/17/05 15:15 / df
Radium 228	12.2	pCi/L		1.0	RA-05	10/17/05 15:15 / pj
Radium 228 precision (±)	1.5	pCi/L			RA-05	10/17/05 15:15 / pj
Thorium 230	ND	pCi/L		0.2	E907.0	10/25/05 10:30 / ph

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: C05100641-007
Client Sample ID: 517

Report Date: 11/04/05
Collection Date: 10/10/05 15:05
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	3.64	%				Calculation	10/21/05 17:02 / smd
Anions	69.3	meq/L				Calculation	10/21/05 17:02 / smd
Cations	74.5	meq/L				Calculation	10/21/05 17:02 / smd
Solids, Total Dissolved Calculated	4460	mg/L				Calculation	10/21/05 17:02 / smd
TDS Balance (0.80 - 1.20)	1.09	dec. %				Calculation	10/21/05 17:02 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	3.4	ug/L		1.0		E624	10/18/05 01:06 / jlr
Surr: 1,2-Dichlorobenzene-d4	102	%REC			80-120	E624	10/18/05 01:06 / jlr
Surr: Dibromofluoromethane	120	%REC			70-130	E624	10/18/05 01:06 / jlr
Surr: p-Bromofluorobenzene	103	%REC			75-125	E624	10/18/05 01:06 / jlr
Surr: Toluene-d8	96.4	%REC			80-120	E624	10/18/05 01:06 / 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:		517	517	517	517	
Collection Date:		10/10/2005	7/12/2005	4/12/2005	1/10/2005	
Receive Date:		10/14/2005	7/15/2005	4/15/2005	1/14/2005	
Report Date:		11/4/2005	8/8/2005	5/11/2005	2/3/2005	
Analyte	Units	C05100641-007	C05070604-002	C05040663-010	C05010491-007	
Bicarbonate as HCO ₃	mg/L	ND(1)	ND(1)	ND(1)	ND(1)	
Calcium	mg/L	502	505	514	485	
Chloride	mg/L	46	42	47	45	
Magnesium	mg/L	467	443	444	426	
Nitrogen, Ammonia as N	mg/L	8.6	9.7	9.6	10.3	
Nitrogen, Nitrate+Nitrite as N	mg/L	0.4	0.1	0.3	0.4	
Potassium	mg/L	10	9.2	9.8	9.4	
Sodium	mg/L	146	142	156	146	
Sulfate	mg/L	3260	3270	3370	3040	
pH	s.u.	3.86	3.93	4.07	3.92	
Solids, Total Dissolved TDS @ 180 C	mg/L	4880	4910	4590	4940	
Aluminum	mg/L	4.8	4.1	5.6	5.3	
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	
Cadmium	mg/L	0.007	0.007	0.005	ND(0.005)	
Cobalt	mg/L	0.78	0.74	0.67	0.74	
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	
Manganese	mg/L	7.49	7.39	7.38	6.70	
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	
Nickel	mg/L	0.68	0.69	0.63	0.66	
Uranium	mg/L	0.0447	0.0407	0.0510	0.0554	
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	16.7	42.6	9.8	22.2	
Gross Alpha minus Rn & U Precision (±)	pCi/L	2.5	4.5	1.3	1.5	
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	10.3	11.6	13.7	4.0	
Radium 226 precision (±)	pCi/L	1.1	1.1	1.2	0.8	
Radium 228	pCi/L	12.2	9.3	11.4	9.2	
Radium 228 precision (±)	pCi/L	1.5	1.4	1.3	1.7	
Thorium 230	pCi/L	ND(0.2)	0.2	ND(0.2)	0.3	
Thorium 230 precision (±)	pCi/L		0.2		0.3	
A/C Balance (± 5)		3.64	2.25	1.14	3.59	
Anions		69.3	69.3	71.5	64.6	
Cations		74.5	72.5	73.1	69.4	
Solids, Total Dissolved Calculated		4460	4440	4570	4180	
TDS Balance (0.80 - 1.20)		1.09	1.11	1.00	1.18	
Chloroform	ug/L	3.4	6.4	4.6	1.7	

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C05070910-006
Client Sample ID: EPA-14

Report Date: 08/26/05
Collection Date: 07/18/05 15:14
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/ RL QCL	Method	Analysis Date / By
MAJOR IONS						
Bicarbonate as HCO ₃	145	mg/L		1	A2320 B	07/26/05 20:12 / sl
Calcium	604	mg/L	D	0.6	E200.7	08/01/05 15:43 / ts
Chloride	57	mg/L		1	E200.7	08/01/05 15:40 / ts
Magnesium	377	mg/L	D	0.5	E200.7	08/01/05 15:43 / ts
Nitrogen, Ammonia as N	6.2	mg/L	D	0.1	A4500-NH ₃ G	07/28/05 13:44 / jal
Nitrogen, Nitrate+Nitrite as N	23.5	mg/L	D	0.3	E353.2	07/27/05 08:35 / jal
Potassium	10.2	mg/L		0.5	E200.7	08/01/05 15:40 / ts
Sodium	173	mg/L		0.5	E200.7	08/01/05 15:40 / ts
Sulfate	2860	mg/L	D	8	E200.7	08/01/05 15:43 / ts
PHYSICAL PROPERTIES						
pH	6.33	s.u.		0.01	A4500-H B	07/25/05 13:30 / th
Solids, Total Dissolved TDS @ 180 C	4390	mg/L		10	A2540 C	07/25/05 12:31 / th
METALS - TOTAL						
Aluminum	75.8	mg/L		0.1	E200.7	08/01/05 15:43 / ts
Beryllium	0.04	mg/L		0.01	E200.8	08/03/05 07:39 / bws
Cadmium	ND	mg/L		0.005	E200.8	08/03/05 07:39 / bws
Cobalt	0.08	mg/L		0.01	E200.8	08/03/05 07:39 / bws
Lead	ND	mg/L		0.05	E200.8	08/03/05 07:39 / bws
Manganese	6.41	mg/L		0.01	E200.7	08/01/05 15:40 / ts
Molybdenum	ND	mg/L		0.1	E200.7	08/01/05 15:40 / ts
Nickel	0.12	mg/L		0.05	E200.8	08/03/05 07:39 / bws
Uranium	0.0841	mg/L	D	0.0004	E200.8	08/03/05 07:39 / bws
Vanadium	ND	mg/L		0.1	E200.7	08/01/05 15:40 / ts
METALS - SPECIATED						
Arsenic-III	0.005	mg/L		0.001	A3114 B	07/25/05 10:30 / sml
Selenium-IV	ND	mg/L		0.001	A3114 B	07/25/05 15:19 / sml
RADIONUCLIDES - TOTAL						
Gross Alpha minus Rn & U	26.6	pCi/L		1.0	E900.1	07/28/05 15:25 / rs
Gross Alpha minus Rn & U Precision (±)	3.1	pCi/L			E900.1	07/28/05 15:25 / rs
Lead 210	ND	pCi/L		1.0	NERHL-65-4	07/29/05 12:57 / ph
Radium 226	14.3	pCi/L		0.2	E903.0	07/25/05 14:05 / df
Radium 226 precision (±)	1.2	pCi/L			E903.0	07/25/05 14:05 / df
Radium 228	12.1	pCi/L		1.0	E904.0	07/25/05 14:05 / pj
Radium 228 precision (±)	1.2	pCi/L			E904.0	07/25/05 14:05 / pj
Thorium 230	ND	pCi/L		0.2	E907.0	08/17/05 10:30 / ph

port
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: C05070910-006
Client Sample ID: EPA-14

Report Date: 08/26/05
Collection Date: 07/18/05 15:14
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/ RL QCL	Method	Analysis Date / By
DATA QUALITY						
A/C Balance (± 5)	9.06	%			Calculation	08/15/05 15:37 / smd
Anions	65.3	meq/L			Calculation	08/15/05 15:37 / smd
Cations	78.3	meq/L			Calculation	08/15/05 15:37 / smd
Solids, Total Dissolved Calculated	4310	mg/L			Calculation	08/15/05 15:37 / smd
TDS Balance (0.80 - 1.20)	1.02	dec. %			Calculation	08/15/05 15:37 / smd
- The ion balance was affected by the presence of solids in an acid preserved sample.						
VOLATILE ORGANIC COMPOUNDS						
Chloroform	ND	ug/L		1.0	E624	07/26/05 16:02 / rh
Surr: 1,2-Dichlorobenzene-d4	106	%REC		80-120	E624	07/26/05 16:02 / rh
Surr: Dibromofluoromethane	93.2	%REC		70-130	E624	07/26/05 16:02 / rh
Surr: p-Bromofluorobenzene	85.6	%REC		75-125	E624	07/26/05 16:02 / rh
Surr: Toluene-d8	102	%REC		80-120	E624	07/26/05 16:02 / rh

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: C05100641-006
Client Sample ID: EPA-14

Report Date: 11/04/05
Collection Date: 10/10/05 14:33
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	134	mg/L			1	A2320 B	10/17/05 15:52 / th
Calcium	594	mg/L	D		0.6	E200.7	10/19/05 16:36 / ts
Chloride	60	mg/L			1	E200.7	10/19/05 15:35 / ts
Magnesium	427	mg/L	D		0.5	E200.7	10/19/05 16:36 / ts
Nitrogen, Ammonia as N	10.5	mg/L	D		0.1	A4500-NH3 G	10/18/05 11:48 / jal
Nitrogen, Nitrate+Nitrite as N	21.1	mg/L	D		0.3	E353.2	10/17/05 11:15 / jal
Potassium	11.1	mg/L			0.5	E200.7	10/19/05 15:35 / ts
Sodium	171	mg/L			0.5	E200.7	10/19/05 15:35 / ts
Sulfate	3020	mg/L	D		8	E200.7	10/19/05 16:36 / ts
PHYSICAL PROPERTIES							
pH	6.40	s.u.			0.01	A4500-H B	10/17/05 13:17 / jc
Solids, Total Dissolved TDS @ 180 C	4820	mg/L			10	A2540 C	10/17/05 13:39 / jc
METALS - TOTAL							
Aluminum	57.9	mg/L			0.1	E200.7	10/19/05 15:35 / ts
Beryllium	0.03	mg/L			0.01	E200.8	10/20/05 19:07 / sml
Cadmium	ND	mg/L			0.005	E200.8	10/20/05 19:07 / sml
Cobalt	0.10	mg/L			0.01	E200.8	10/20/05 19:07 / sml
Lead	ND	mg/L			0.05	E200.8	10/20/05 19:07 / sml
Manganese	7.25	mg/L			0.01	E200.7	10/19/05 15:35 / ts
Molybdenum	ND	mg/L			0.1	E200.7	10/19/05 15:35 / ts
Nickel	0.12	mg/L			0.05	E200.8	10/20/05 19:07 / sml
Uranium	0.0538	mg/L			0.0003	E200.8	10/20/05 19:07 / sml
Vanadium	ND	mg/L			0.1	E200.7	10/19/05 15:35 / ts
METALS - SPECIATED							
Arsenic-III	0.004	mg/L			0.001	A3114 B	10/20/05 14:46 / sl
Selenium-IV	ND	mg/L			0.001	A3114 B	10/20/05 11:58 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	25.1	pCi/L			1.0	E900.1	10/20/05 16:55 / rs
Gross Alpha minus Rn & U Precision (±)	3.0	pCi/L				E900.1	10/20/05 16:55 / rs
Lead 210	ND	pCi/L			1.0	NERHL-65-4	10/25/05 10:30 / ph
Radium 226	16.2	pCi/L			0.2	E903.0	10/17/05 15:15 / df
Radium 226 precision (±)	1.3	pCi/L				E903.0	10/17/05 15:15 / df
Radium 228	13.2	pCi/L			1.0	RA-05	10/17/05 15:15 / pj
Radium 228 precision (±)	1.5	pCi/L				RA-05	10/17/05 15:15 / pj
Thorium 230	ND	pCi/L			0.2	E907.0	10/25/05 10:30 / ph

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: C05100641-006
Client Sample ID: EPA-14

Report Date: 11/04/05
Collection Date: 10/10/05 14:33
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	8.03	%				Calculation	10/27/05 15:35 / smd
Anions	68.3	meq/L				Calculation	10/27/05 15:35 / smd
Cations	80.2	meq/L				Calculation	10/27/05 15:35 / smd
Solids, Total Dissolved Calculated	4490	mg/L				Calculation	10/27/05 15:35 / smd
TDS Balance (0.80 - 1.20)	1.08	dec. %				Calculation	10/27/05 15:35 / smd
- The ion balance was affected by the presence of solids in an acid preserved sample.							
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	10/17/05 20:04 / jlr
Surr: 1,2-Dichlorobenzene-d4	102	%REC			80-120	E624	10/17/05 20:04 / jlr
Surr: Dibromofluoromethane	116	%REC			70-130	E624	10/17/05 20:04 / jlr
Surr: p-Bromofluorobenzene	104	%REC			75-125	E624	10/17/05 20:04 / jlr
Surr: Toluene-d8	92.8	%REC			80-120	E624	10/17/05 20:04 / 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-14	EPA-14	EPA-14	EPA-14	
Collection Date:		10/10/2005	7/18/2005	4/11/2005	1/10/2005	
Receive Date:		10/14/2005	7/22/2005	4/15/2005	1/14/2005	
Report Date:		11/4/2005	8/24/2005	5/11/2005	2/3/2005	
Analyte	Units	C05100641-006	C05070910-006	C05040663-001	C05010491-006	
Bicarbonate as HCO ₃	mg/L	134	145	168	149	
Calcium	mg/L	594	604	617	599	
Chloride	mg/L	60	57	62	59	
Magnesium	mg/L	427	377	398	390	
Nitrogen, Ammonia as N	mg/L	10.5	6.2	7.9	10.7	
Nitrogen, Nitrate+Nitrite as N	mg/L	21.1	23.5	19.4	18.0	
Potassium	mg/L	11.1	10.2	10.5	10.4	
Sodium	mg/L	171	173	176	172	
Sulfate	mg/L	3020	2860	3050	3010	
pH	s.u.	6.40	6.33	6.21	6.41	
Solids, Total Dissolved TDS @ 180 C	mg/L	4820	4390	4570	4750	
Aluminum	mg/L	57.9	75.8	105	442	
Beryllium	mg/L	0.03	0.04	0.05	0.24	
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	0.005	
Cobalt	mg/L	0.10	0.08	0.10	0.14	
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	0.08	
Manganese	mg/L	7.25	6.41	6.42	5.97	
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	
Nickel	mg/L	0.12	0.12	0.13	0.19	
Uranium	mg/L	0.0538	0.0841	0.111	0.514	
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	
Arsenic-III	mg/L	0.004	0.005	0.003	0.01	
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	0.002	
Gross Alpha minus Rn & U	pCi/L	25.1	26.6	19.7	72.7	
Gross Alpha minus Rn & U Precision (±)	pCi/L	3.0	3.1	1.8	5.0	
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	22	
Lead 210 precision (±)	pCi/L				5.2	
Radium 226	pCi/L	16.2	14.3	16.6	21.4	
Radium 226 precision (±)	pCi/L	1.3	1.2	1.3	1.8	
Radium 228	pCi/L	13.2	12.1	10.5	13.5	
Radium 228 precision (±)	pCi/L	1.5	1.2	1.3	1.8	
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)		8.03	9.06	9.56	27.7	
Anions		68.3	65.3	69.5	68.0	
Cations		80.2	78.3	84.1	120	
Solids, Total Dissolved Calculated		4490	4310	4540	4550	
TDS Balance (0.80 - 1.20)		1.08	1.02	1.01	1.04	
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	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.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C05070910-004
Client Sample ID: 420

Report Date: 08/26/05
Collection Date: 07/18/05 14:07
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/ RL QCL	Method	Analysis Date / By
MAJOR IONS						
Bicarbonate as HCO ₃	564	mg/L		1	A2320 B	07/26/05 19:53 / sl
Calcium	707	mg/L	D	0.6	E200.7	08/01/05 15:03 / ts
Chloride	71	mg/L		1	E200.7	08/01/05 15:00 / ts
Magnesium	137	mg/L		0.5	E200.7	08/01/05 15:00 / ts
Nitrogen, Ammonia as N	0.19	mg/L		0.05	A4500-NH ₃ G	07/28/05 13:18 / jal
Nitrogen, Nitrate+Nitrite as N	16.4	mg/L	D	0.2	E353.2	07/27/05 08:30 / jal
Potassium	4.2	mg/L	D	0.5	E200.7	08/01/05 15:03 / ts
Sodium	153	mg/L	D	0.6	E200.7	08/01/05 15:03 / ts
Sulfate	1730	mg/L		1	E200.7	08/01/05 15:00 / ts
PHYSICAL PROPERTIES						
pH	7.15	s.u.		0.01	A4500-H B	07/25/05 13:28 / th
Solids, Total Dissolved TDS @ 180 C	3600	mg/L		10	A2540 C	07/25/05 12:31 / th
METALS - TOTAL						
Aluminum	ND	mg/L		0.1	E200.7	08/01/05 15:00 / ts
Beryllium	ND	mg/L		0.01	E200.8	08/03/05 07:06 / bws
Cadmium	ND	mg/L		0.005	E200.8	08/03/05 07:06 / bws
Cobalt	ND	mg/L		0.01	E200.7	08/01/05 15:00 / ts
Lead	ND	mg/L		0.05	E200.8	08/03/05 07:06 / bws
Manganese	2.16	mg/L		0.01	E200.7	08/01/05 15:00 / ts
Molybdenum	0.1	mg/L		0.1	E200.7	08/01/05 15:00 / ts
Nickel	ND	mg/L		0.05	E200.8	08/03/05 07:06 / bws
Uranium	0.126	mg/L		0.0003	E200.8	08/03/05 07:06 / bws
Vanadium	ND	mg/L		0.1	E200.7	08/01/05 15:00 / ts
METALS - SPECIATED						
Arsenic-III	0.002	mg/L		0.001	A3114 B	07/25/05 10:26 / sml
Selenium-IV	ND	mg/L		0.001	A3114 B	07/25/05 15:13 / sml
RADIONUCLIDES - TOTAL						
Gross Alpha minus Rn & U	3.0	pCi/L		1.0	E900.1	07/28/05 15:25 / rs
Gross Alpha minus Rn & U Precision (±)	1.3	pCi/L			E900.1	07/28/05 15:25 / rs
Lead 210	ND	pCi/L		1.0	NERHL-65-4	07/29/05 12:57 / ph
Radium 226	2.3	pCi/L		0.2	E903.0	07/25/05 14:05 / df
Radium 226 precision (±)	0.5	pCi/L			E903.0	07/25/05 14:05 / df
Radium 228	3.0	pCi/L		1.0	E904.0	07/25/05 14:05 / pj
Radium 228 precision (±)	1	pCi/L			E904.0	07/25/05 14:05 / pj
Thorium 230	ND	pCi/L		0.2	E907.0	08/17/05 10:30 / ph

port
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: C05070910-004
Client Sample ID: 420

Report Date: 08/26/05
Collection Date: 07/18/05 14:07
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/ RL QCL	Method	Analysis Date / By
DATA QUALITY						
A/C Balance (± 5)	4.98	%			Calculation	08/15/05 15:18 / smd
Anions	48.4	meq/L			Calculation	08/15/05 15:18 / smd
Cations	53.5	meq/L			Calculation	08/15/05 15:18 / smd
Solids, Total Dissolved Calculated	3160	mg/L			Calculation	08/15/05 15:18 / smd
TDS Balance (0.80 - 1.20)	1.14	dec. %			Calculation	08/15/05 15:18 / smd
VOLATILE ORGANIC COMPOUNDS						
Chloroform	ND	ug/L		1.0	E624	07/26/05 21:19 / rh
Surr: 1,2-Dichlorobenzene-d4	106	%REC		80-120	E624	07/26/05 21:19 / rh
Surr: Dibromofluoromethane	98.8	%REC		70-130	E624	07/26/05 21:19 / rh
Surr: p-Bromofluorobenzene	86.0	%REC		75-125	E624	07/26/05 21:19 / rh
Surr: Toluene-d8	96.0	%REC		80-120	E624	07/26/05 21:19 / rh

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: C05100641-004

Client Sample ID: 420

Report Date: 11/04/05

Collection Date: 10/10/05 13:30

Date Received: 10/14/05

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	586	mg/L		1		A2320 B	10/17/05 15:52 / th
Calcium	713	mg/L	D	0.6		E200.7	10/19/05 16:30 / ts
Chloride	73	mg/L		1		E200.7	10/19/05 15:20 / ts
Magnesium	147	mg/L		0.5		E200.7	10/19/05 15:20 / ts
Nitrogen, Ammonia as N	0.20	mg/L		0.05		A4500-NH3 G	10/18/05 11:16 / jal
Nitrogen, Nitrate+Nitrite as N	15.1	mg/L	D	0.3		E353.2	10/17/05 11:03 / jal
Potassium	6.9	mg/L		0.5		E200.7	10/19/05 15:20 / ts
Sodium	154	mg/L		0.5		E200.7	10/19/05 15:20 / ts
Sulfate	1780	mg/L	D	8		E200.7	10/19/05 16:30 / ts
PHYSICAL PROPERTIES							
pH	7.22	s.u.		0.01		A4500-H B	10/17/05 13:12 / jc
Solids, Total Dissolved TDS @ 180 C	3510	mg/L		10		A2540 C	10/17/05 13:36 / jc
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	10/19/05 15:20 / ts
Beryllium	ND	mg/L		0.01		E200.8	10/20/05 18:07 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/20/05 18:07 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/20/05 18:07 / sml
Lead	ND	mg/L		0.05		E200.8	10/20/05 18:07 / sml
Manganese	2.37	mg/L		0.01		E200.7	10/19/05 15:20 / ts
Molybdenum	0.1	mg/L		0.1		E200.7	10/19/05 15:20 / ts
Nickel	ND	mg/L		0.05		E200.8	10/20/05 18:07 / sml
Uranium	0.113	mg/L		0.0003		E200.8	10/20/05 18:07 / sml
Vanadium	ND	mg/L		0.1		E200.7	10/19/05 15:20 / ts
METALS - SPECIATED							
Arsenic-III	0.006	mg/L		0.001		A3114 B	10/20/05 14:42 / sl
Selenium-IV	ND	mg/L		0.001		A3114 B	10/20/05 11:53 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	5.2	pCi/L		1.0		E900.1	10/20/05 16:55 / rs
Gross Alpha minus Rn & U Precision (±)	1.6	pCi/L				E900.1	10/20/05 16:55 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	10/25/05 10:30 / ph
Radium 226	3.8	pCi/L		0.2		E903.0	10/17/05 15:15 / df
Radium 226 precision (±)	0.7	pCi/L				E903.0	10/17/05 15:15 / df
Radium 228	2.4	pCi/L		1.0		RA-05	10/17/05 15:15 / pj
Radium 228 precision (±)	1.2	pCi/L				RA-05	10/17/05 15:15 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	10/25/05 10:30 / ph

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: C05100641-004

Client Sample ID: 420

Report Date: 11/04/05

Collection Date: 10/10/05 13:30

Date Received: 10/14/05

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	4.67	%				Calculation	10/27/05 14:26 / smd
Anions	49.9	meq/L				Calculation	10/27/05 14:26 / smd
Cations	54.7	meq/L				Calculation	10/27/05 14:26 / smd
Solids, Total Dissolved Calculated	3250	mg/L				Calculation	10/27/05 14:26 / smd
TDS Balance (0.80 - 1.20)	1.08	dec. %				Calculation	10/27/05 14:26 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	10/17/05 18:47 / jlr
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	E624	10/17/05 18:47 / jlr
Surr: Dibromofluoromethane	115	%REC			70-130	E624	10/17/05 18:47 / jlr
Surr: p-Bromofluorobenzene	99.2	%REC			75-125	E624	10/17/05 18:47 / jlr
Surr: Toluene-d8	94.0	%REC			80-120	E624	10/17/05 18:47 / 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:		420	420	420	420	
Collection Date:		10/10/2005	7/18/2005	4/11/2005	1/10/2005	
Receive Date:		10/14/2005	7/22/2005	4/15/2005	1/14/2005	
Report Date:		11/4/2005	8/24/2005	5/11/2005	2/3/2005	
Analyte	Units	C05100641-004	C05070910-004	C05040663-002	C05010491-004	
Bicarbonate as HCO ₃	mg/L	586	564	551	610	
Calcium	mg/L	713	707	724	732	
Chloride	mg/L	73	71	72	84	
Magnesium	mg/L	147	137	157	156	
Nitrogen, Ammonia as N	mg/L	0.20	0.19	0.09	0.12	
Nitrogen, Nitrate+Nitrite as N	mg/L	15.1	16.4	15.4	14.8	
Potassium	mg/L	6.9	4.2	7.0	7.0	
Sodium	mg/L	154	153	160	143	
Sulfate	mg/L	1780	1730	1860	1800	
pH	s.u.	7.22	7.15	7.06	7.02	
Solids, Total Dissolved TDS @ 180 C	mg/L	3510	3600	3410	3550	
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	2.37	2.16	2.15	1.96	
Molybdenum	mg/L	0.1	0.1	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	0.126	0.122	0.127	
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	
Arsenic-III	mg/L	0.006	0.002	0.002	0.003	
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	
Gross Alpha minus Rn & U	pCi/L	5.2	3.0	2.1	3.9	
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.6	1.3	1.5	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	3.8	2.3	3.2	2.2	
Radium 226 precision (±)	pCi/L	0.7	0.5	0.6	0.6	
Radium 228	pCi/L	2.4	3.0	1.9	3.6	
Radium 228 precision (±)	pCi/L	1.2	1.0	1.1	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)		4.67	4.98	4.98	4.80	
Anions		49.9	48.4	51.0	50.8	
Cations		54.7	53.5	56.3	55.9	
Solids, Total Dissolved Calculated		3250	3160	3340	3300	
TDS Balance (0.80 - 1.20)		1.08	1.14	1.02	1.08	
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	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.

kls: r:\clients2005\unc_mining\unc_gallup-4th2005_final.xls



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C05070910-008
Client Sample ID: 711

Report Date: 08/26/05
Collection Date: 07/19/05 09:43
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	ND	mg/L		1		A2320 B	07/26/05 20:21 / sl
Calcium	490	mg/L	D	0.6		E200.7	08/01/05 16:11 / ts
Chloride	20	mg/L		1		E200.7	08/01/05 16:07 / ts
Magnesium	498	mg/L	D	0.5		E200.7	08/01/05 16:11 / ts
Nitrogen, Ammonia as N	0.95	mg/L		0.05		A4500-NH3 G	07/28/05 13:32 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/27/05 08:40 / jal
Potassium	10.9	mg/L		0.5		E200.7	08/01/05 16:07 / ts
Sodium	100	mg/L		0.5		E200.7	08/01/05 16:07 / ts
Sulfate	3410	mg/L	D	8		E200.7	08/01/05 16:11 / ts
PHYSICAL PROPERTIES							
pH	3.57	s.u.		0.01		A4500-H B	07/25/05 13:31 / th
Solids, Total Dissolved TDS @ 180 C	5380	mg/L		10		A2540 C	07/25/05 12:32 / th
METALS - TOTAL							
Aluminum	0.7	mg/L		0.1		E200.8	08/03/05 08:15 / bws
Beryllium	ND	mg/L		0.01		E200.8	08/03/05 08:15 / bws
Cadmium	ND	mg/L		0.005		E200.8	08/03/05 08:15 / bws
Cobalt	0.45	mg/L		0.01		E200.7	08/01/05 16:07 / ts
Lead	ND	mg/L		0.05		E200.7	08/01/05 16:07 / ts
Manganese	7.36	mg/L		0.01		E200.7	08/01/05 16:07 / ts
Molybdenum	ND	mg/L		0.1		E200.7	08/01/05 16:07 / ts
Nickel	0.42	mg/L	D	0.05		E200.7	08/01/05 16:07 / ts
Uranium	0.0346	mg/L		0.0003		E200.8	08/03/05 08:15 / bws
Vanadium	ND	mg/L		0.1		E200.7	08/01/05 16:07 / ts
METALS - SPECIATED							
Arsenic-III	0.03	mg/L		0.001		A3114 B	07/25/05 10:38 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	07/25/05 15:25 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	10.8	pCi/L		1.0		E900.1	07/28/05 15:25 / rs
Gross Alpha minus Rn & U Precision (±)	2.1	pCi/L				E900.1	07/28/05 15:25 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	07/29/05 12:57 / ph
Radium 226	6.2	pCi/L		0.2		E903.0	07/25/05 14:05 / df
Radium 226 precision (±)	0.8	pCi/L				E903.0	07/25/05 14:05 / df
Radium 228	12.0	pCi/L		1.0		E904.0	07/25/05 14:05 / pj
Radium 228 precision (±)	1.2	pCi/L				E904.0	07/25/05 14:05 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	08/17/05 10:30 / ph

port
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: C05070910-008
Client Sample ID: 711

Report Date: 08/26/05
Collection Date: 07/19/05 09:43
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	2.36	%				Calculation	08/09/05 10:37 / dab
Anions	71.5	meq/L				Calculation	08/09/05 10:37 / dab
Cations	75.0	meq/L				Calculation	08/09/05 10:37 / dab
Solids, Total Dissolved Calculated	4540	mg/L				Calculation	08/09/05 10:37 / dab
TDS Balance (0.80 - 1.20)	1.19	dec. %				Calculation	08/09/05 10:37 / dab
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	07/26/05 17:34 / rh
Surr: 1,2-Dichlorobenzene-d4	104	%REC			80-120	E624	07/26/05 17:34 / rh
Surr: Dibromofluoromethane	91.2	%REC			70-130	E624	07/26/05 17:34 / rh
Surr: p-Bromofluorobenzene	82.8	%REC			75-125	E624	07/26/05 17:34 / rh
Surr: Toluene-d8	102	%REC			80-120	E624	07/26/05 17:34 / rh

Port
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: C05100641-009
Client Sample ID: 711

Report Date: 11/04/05
Collection Date: 10/11/05 09:57
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/ RL QCL	Method	Analysis Date / By
MAJOR IONS						
Bicarbonate as HCO3	ND	mg/L		1	A2320 B	10/17/05 15:52 / th
Calcium	492	mg/L	D	0.6	E200.7	10/19/05 17:14 / ts
Chloride	21	mg/L		1	E200.7	10/19/05 15:44 / ts
Magnesium	526	mg/L	D	0.5	E200.7	10/19/05 17:14 / ts
Nitrogen, Ammonia as N	0.82	mg/L		0.05	A4500-NH3 G	10/18/05 11:32 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1	E353.2	10/17/05 11:23 / jal
Potassium	10.8	mg/L		0.5	E200.7	10/19/05 15:44 / ts
Sodium	99.8	mg/L		0.5	E200.7	10/19/05 15:44 / ts
Sulfate	3560	mg/L	D	8	E200.7	10/19/05 17:14 / ts
PHYSICAL PROPERTIES						
pH	3.62	s.u.		0.01	A4500-H B	10/17/05 13:34 / jc
Solids, Total Dissolved TDS @ 180 C	5240	mg/L		10	A2540 C	10/17/05 13:40 / jc
METALS - TOTAL						
Aluminum	0.8	mg/L		0.1	E200.7	10/19/05 15:44 / ts
Beryllium	ND	mg/L		0.01	E200.8	10/20/05 19:27 / sml
Cadmium	ND	mg/L		0.005	E200.8	10/20/05 19:27 / sml
Cobalt	0.44	mg/L		0.01	E200.8	10/20/05 19:27 / sml
Lead	ND	mg/L		0.05	E200.8	10/20/05 19:27 / sml
Manganese	7.30	mg/L		0.01	E200.7	10/19/05 15:44 / ts
Molybdenum	ND	mg/L		0.1	E200.7	10/19/05 15:44 / ts
Nickel	0.36	mg/L		0.05	E200.8	10/20/05 19:27 / sml
Uranium	0.0302	mg/L		0.0003	E200.8	10/20/05 19:27 / sml
Vanadium	ND	mg/L		0.1	E200.7	10/19/05 15:44 / ts
METALS - SPECIATED						
Arsenic-III	0.04	mg/L		0.001	A3114 B	10/20/05 14:55 / sl
Selenium-IV	ND	mg/L		0.001	A3114 B	10/20/05 12:04 / sl
RADIONUCLIDES - TOTAL						
Gross Alpha minus Rn & U	12.4	pCi/L		1.0	E900.1	10/20/05 16:55 / rs
Gross Alpha minus Rn & U Precision (±)	2.2	pCi/L			E900.1	10/20/05 16:55 / rs
Lead 210	ND	pCi/L		1.0	NERHL-65-4	10/25/05 10:30 / ph
Radium 226	7.3	pCi/L		0.2	E903.0	10/17/05 15:15 / df
Radium 226 precision (±)	1.2	pCi/L			E903.0	10/17/05 15:15 / df
Radium 228	15.3	pCi/L		1.0	RA-05	10/17/05 15:15 / pj
Radium 228 precision (±)	2.3	pCi/L			RA-05	10/17/05 15:15 / pj
Thorium 230	ND	pCi/L		0.2	E907.0	10/25/05 10:30 / ph

**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: C05100641-009
Client Sample ID: 711

Report Date: 11/04/05
Collection Date: 10/11/05 09:57
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/ RL QCL	Method	Analysis Date / By
DATA QUALITY						
A/C Balance (± 5)	1.57	%			Calculation	10/21/05 17:03 / smd
Anions	74.7	meq/L			Calculation	10/21/05 17:03 / smd
Cations	77.1	meq/L			Calculation	10/21/05 17:03 / smd
Solids, Total Dissolved Calculated	4720	mg/L			Calculation	10/21/05 17:03 / smd
TDS Balance (0.80 - 1.20)	1.11	dec. %			Calculation	10/21/05 17:03 / smd
VOLATILE ORGANIC COMPOUNDS						
Chloroform	ND	ug/L		1.0	E624	10/19/05 23:49 / rh
Surr: 1,2-Dichlorobenzene-d4	109	%REC		80-120	E624	10/19/05 23:49 / rh
Surr: Dibromofluoromethane	103	%REC		70-130	E624	10/19/05 23:49 / rh
Surr: p-Bromofluorobenzene	86.4	%REC		75-125	E624	10/19/05 23:49 / rh
Surr: Toluene-d8	101	%REC		80-120	E624	10/19/05 23:49 / rh

Report
Initiations: 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:		10/11/2005	7/19/2005	4/12/2005	1/11/2005	
Receive Date:		10/14/2005	7/22/2005	4/15/2005	1/14/2005	
Report Date:		11/4/2005	8/24/2005	5/11/2005	2/3/2005	
Analyte	Units	C05100641-009	C05070910-008	C05040663-007	C05010491-009	
Bicarbonate as HCO ₃	mg/L	ND(1)	ND(1)	ND(1)	ND(1)	
Calcium	mg/L	492	490	517	499	
Chloride	mg/L	21	20	19	19	
Magnesium	mg/L	526	498	532	513	
Nitrogen, Ammonia as N	mg/L	0.82	0.95	1.08	0.84	
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	
Potassium	mg/L	10.8	10.9	11.1	10.7	
Sodium	mg/L	99.8	100	108	98.1	
Sulfate	mg/L	3560	3410	3710	3380	
pH	s.u.	3.62	3.57	3.73	3.57	
Solids, Total Dissolved TDS @ 180 C	mg/L	5240	5380	5190	5380	
Aluminum	mg/L	0.8	0.7	0.9	0.9	
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	0.44	0.45	0.40	0.48	
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	
Manganese	mg/L	7.30	7.36	7.59	6.95	
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	
Nickel	mg/L	0.36	0.42	0.37	0.42	
Uranium	mg/L	0.0302	0.0346	0.0336	0.0379	
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	
Arsenic-III	mg/L	0.04	0.03	0.02	0.04	
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	
Gross Alpha minus Rn & U	pCi/L	12.4	10.8	10.8	12.3	
Gross Alpha minus Rn & U Precision (±)	pCi/L	2.2	2.1	1.4	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	7.3	6.2	10.7	5.1	
Radium 226 precision (±)	pCi/L	1.2	0.8	1.1	0.9	
Radium 228	pCi/L	15.3	12.0	11.2	10.0	
Radium 228 precision (±)	pCi/L	2.3	1.2	1.3	1.7	
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)		1.57	2.36	1.14	3.46	
Anions		74.7	71.5	77.8	70.9	
Cations		77.1	75.0	79.6	76.0	
Solids, Total Dissolved Calculated		4720	4540	4910	4530	
TDS Balance (0.80 - 1.20)		1.11	1.19	1.06	1.19	
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	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.**

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C05070604-001
Client Sample ID: 613

Report Date: 08/09/05
Collection Date: 07/12/05 14:47
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/ RL QCL	Method	Analysis Date / By
MAJOR IONS						
Bicarbonate as HCO ₃	ND	mg/L		1	A2320 B	07/21/05 12:24 / sl
Calcium	509	mg/L	D	0.6	E200.7	07/21/05 15:43 / ts
Chloride	247	mg/L		1	E200.7	07/21/05 15:40 / ts
Magnesium	795	mg/L	D	0.5	E200.7	07/21/05 15:43 / ts
Nitrogen, Ammonia as N	265	mg/L	D	4	A4500-NH ₃ G	07/21/05 09:25 / jal
Nitrogen, Nitrate+Nitrite as N	11.3	mg/L	D	0.3	E353.2	07/18/05 13:45 / jal
Potassium	4.3	mg/L		0.5	E200.7	07/21/05 15:40 / ts
Sodium	202	mg/L		0.5	E200.7	07/21/05 15:40 / ts
Sulfate	9910	mg/L	D	8	E200.7	07/21/05 15:43 / ts
PHYSICAL PROPERTIES						
pH	3.00	s.u.		0.01	A4500-H B	07/18/05 12:45 / th
Solids, Total Dissolved TDS @ 180 C	13100	mg/L		10	A2540 C	07/18/05 16:01 / th
METALS - TOTAL						
Aluminum	683	mg/L	D	0.3	E200.7	07/28/05 10:56 / ts
Beryllium	0.24	mg/L		0.01	E200.8	07/21/05 03:50 / bws
Cadmium	0.039	mg/L		0.005	E200.8	07/21/05 03:50 / bws
Cobalt	2.53	mg/L		0.01	E200.8	07/21/05 03:50 / bws
Lead	ND	mg/L		0.05	E200.8	07/21/05 03:50 / bws
Manganese	73.8	mg/L		0.01	E200.8	07/21/05 03:50 / bws
Molybdenum	ND	mg/L		0.1	E200.8	07/21/05 03:50 / bws
Nickel	2.34	mg/L		0.05	E200.8	07/21/05 03:50 / bws
Uranium	1.82	mg/L	D	0.0004	E200.8	07/21/05 03:50 / bws
Vanadium	3.5	mg/L		0.1	E200.8	07/21/05 03:50 / bws
METALS - SPECIATED						
Arsenic-III	ND	mg/L		0.001	A3114 B	07/18/05 14:07 / sml
Selenium-IV	ND	mg/L		0.001	A3114 B	07/19/05 10:15 / sml
RADIONUCLIDES - TOTAL						
Gross Alpha minus Rn & U	68.5	pCi/L		1.0	E900.1	07/18/05 16:45 / rs
Gross Alpha minus Rn & U Precision (±)	5.6	pCi/L			E900.1	07/18/05 16:45 / rs
Lead 210	ND	pCi/L		1.0	NERHL-65-4	07/21/05 10:30 / ph
Radium 226	10.9	pCi/L		0.2	E903.0	07/18/05 15:15 / df
Radium 226 precision (±)	1.1	pCi/L			E903.0	07/18/05 15:15 / df
Radium 228	ND	pCi/L		1.0	E904.0	07/18/05 15:15 / pj
Thorium 230	292	pCi/L		0.2	E907.0	07/21/05 10:30 / ph
Thorium 230 precision (±)	6.1	pCi/L			E907.0	07/21/05 10:30 / ph

port
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: C05070604-001

Client Sample ID: 613

Report Date: 08/09/05

Collection Date: 07/12/05 14:47

Date Received: 07/15/05

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	-2.75	%				Calculation	07/29/05 14:20 / smd
Anions	214	meq/L				Calculation	07/29/05 14:20 / smd
Cations	203	meq/L				Calculation	07/29/05 14:20 / smd
Solids, Total Dissolved Calculated	11800	mg/L				Calculation	07/29/05 14:20 / smd
TDS Balance (0.80 - 1.20)	1.11	dec. %				Calculation	07/29/05 14:20 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	168	ug/L	D	5.0		E624	07/20/05 17:16 / jlr
Surr: 1,2-Dichlorobenzene-d4	106	%REC	D		80-120	E624	07/20/05 17:16 / jlr
Surr: Dibromofluoromethane	123	%REC	D		70-130	E624	07/20/05 17:16 / jlr
Surr: p-Bromofluorobenzene	104	%REC	D		75-125	E624	07/20/05 17:16 / jlr
Surr: Toluene-d8	100	%REC	D		80-120	E624	07/20/05 17:16 / 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: C05100338-001
Client Sample ID: 613

Report Date: 11/03/05
Collection Date: 10/05/05 10:55
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	ND	mg/L			1	A2320 B	10/10/05 17:43 / th
Calcium	431	mg/L	D		0.6	E200.7	10/19/05 15:02 / ts
Chloride	156	mg/L			1	E200.7	10/19/05 14:59 / ts
Magnesium	744	mg/L	D		0.5	E200.7	10/19/05 15:02 / ts
Nitrogen, Ammonia as N	253	mg/L	D		4	A4500-NH3 G	10/10/05 16:51 / jal
Nitrogen, Nitrate+Nitrite as N	10.7	mg/L	D		0.3	E353.2	10/10/05 10:53 / jal
Potassium	ND	mg/L			0.5	E200.7	10/19/05 14:59 / ts
Sodium	284	mg/L			0.5	E200.7	10/19/05 14:59 / ts
Sulfate	9040	mg/L	D		8	E200.7	10/19/05 15:02 / ts
PHYSICAL PROPERTIES							
pH	3.15	s.u.			0.01	A4500-H B	10/10/05 16:53 / jc
Solids, Total Dissolved TDS @ 180 C	13400	mg/L			10	A2540 C	10/10/05 13:33 / jc
METALS - TOTAL							
Aluminum	712	mg/L	D		0.3	E200.7	10/24/05 11:11 / ts
Beryllium	0.21	mg/L			0.01	E200.8	10/21/05 02:27 / sml
Cadmium	0.036	mg/L			0.005	E200.8	10/21/05 02:27 / sml
Cobalt	2.38	mg/L			0.01	E200.8	10/21/05 02:27 / sml
Lead	ND	mg/L			0.05	E200.8	10/21/05 02:27 / sml
Manganese	62.9	mg/L			0.01	E200.7	10/19/05 15:02 / ts
Molybdenum	ND	mg/L			0.1	E200.8	10/21/05 02:27 / sml
Nickel	2.21	mg/L			0.05	E200.8	10/21/05 02:27 / sml
Uranium	1.68	mg/L	D		0.0004	E200.8	10/21/05 02:27 / sml
Vanadium	3.3	mg/L			0.1	E200.8	10/21/05 02:27 / sml
METALS - SPECIATED							
Arsenic-III	ND	mg/L			0.001	A3114 B	10/12/05 11:56 / sl
Selenium-IV	ND	mg/L			0.001	A3114 B	10/12/05 15:07 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	48.5	pCi/L			1.0	E900.1	10/14/05 13:00 / rs
Gross Alpha minus Rn & U Precision (±)	3.8	pCi/L				E900.1	10/14/05 13:00 / rs
Lead 210	ND	pCi/L			1.0	NERHL-65-4	10/14/05 10:30 / ph
Radium 226	8.2	pCi/L			0.2	E903.0	10/12/05 15:15 / df
Radium 226 precision (±)	0.9	pCi/L				E903.0	10/12/05 15:15 / df
Radium 228	ND	pCi/L			1.0	RA-05	10/12/05 15:50 / pj
Thorium 230	254	pCi/L			0.2	E907.0	10/25/05 10:30 / ph
Thorium 230 precision (±)	6.6	pCi/L				E907.0	10/25/05 10:30 / ph

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: C05100338-001
Client Sample ID: 613

Report Date: 11/03/05
Collection Date: 10/05/05 10:55
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	1.64	%				Calculation	10/28/05 15:39 / dab
Anions	193	meq/L				Calculation	10/28/05 15:39 / dab
Cations	200	meq/L				Calculation	10/28/05 15:39 / dab
Solids, Total Dissolved Calculated	10800	mg/L				Calculation	10/28/05 15:39 / dab
TDS Balance (0.80 - 1.20)	1.24	dec. %				Calculation	10/28/05 15:39 / dab
- The TDS balance was affected by the formation of hydrated solids.							
VOLATILE ORGANIC COMPOUNDS							
Chloroform	136	ug/L	D	5.0		E624	10/14/05 08:48 / jlr
Surr: 1,2-Dichlorobenzene-d4	102	%REC	D		80-120	E624	10/14/05 08:48 / jlr
Surr: Dibromofluoromethane	113	%REC	D		70-130	E624	10/14/05 08:48 / jlr
Surr: p-Bromofluorobenzene	104	%REC	D		75-125	E624	10/14/05 08:48 / jlr
Surr: Toluene-d8	94.8	%REC	D		80-120	E624	10/14/05 08:48 / 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.

UNC Mining and Milling ChurchRock Operations						
GroundWater Monitoring Summary: Zone 3 Monitor Wells						
Well ID:		613	613	613	613	
Collection Date:		10/5/2005	7/12/2005	4/5/2005	1/4/2005	
Receive Date:		10/7/2005	7/15/2005	4/8/2005	1/7/2005	
Report Date:		11/3/2005	8/8/2005	5/2/2005	1/31/2005	
Analyte	Units	C05100338-001	C05070604-001	C05040334-001	C05010245-001	
Bicarbonate as HCO ₃	mg/L	ND(1)	ND(1)	ND(1)	ND(1)	
Calcium	mg/L	431	509	452	462	
Chloride	mg/L	156	247	164	162	
Magnesium	mg/L	744	795	748	749	
Nitrogen, Ammonia as N	mg/L	253	265	289	265	
Nitrogen, Nitrate+Nitrite as N	mg/L	10.7	11.3	8.2	9.7	
Potassium	mg/L	ND(0.5)	4.3	ND(0.5)	ND(0.5)	
Sodium	mg/L	284	202	293	294	
Sulfate	mg/L	9040	9910	9100	9310	
pH	s.u.	3.15	3.00	2.97	2.93	
Solids, Total Dissolved TDS @ 180 C	mg/L	13400	13100	13000	13400	
Aluminum	mg/L	712	683	630	650	
Beryllium	mg/L	0.21	0.24	0.19	0.19	
Cadmium	mg/L	0.036	0.039	0.029	0.034	
Cobalt	mg/L	2.38	2.53	1.54	2.00	
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	
Manganese	mg/L	62.9	73.8	64.8	65.2	
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	
Nickel	mg/L	2.21	2.34	1.98	1.70	
Uranium	mg/L	1.68	1.82	1.51	1.52	
Vanadium	mg/L	3.3	3.5	2.2	2.7	
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)	0.001	
Gross Alpha minus Rn & U	pCi/L	48.5	68.5	42.3	75.7	
Gross Alpha minus Rn & U Precision (±)	pCi/L	3.8	5.6	3.4	6.3	
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	8.2	10.9	14.1	12.9	
Radium 226 precision (±)	pCi/L	0.9	1.1	1.2	1.2	
Radium 228	pCi/L	ND(1.0)	ND(1.0)	1.4	ND(1.0)	
Radium 228 precision (±)	pCi/L			1.0		
Thorium 230	pCi/L	254	292	280	312	
Thorium 230 precision (±)	pCi/L	6.6	6.1	7.2	19.9	
A/C Balance (± 5)		1.64	-2.75	0.135	-0.571	
Anions		193	214	195	199	
Cations		200	203	195	196	
Solids, Total Dissolved Calculated		10800	11800	10900	11100	
TDS Balance (0.80 - 1.20)		1.24	1.11	1.19	1.20	
Chloroform	ug/L	136	168	141	102	

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

kls: r:\clients\2005\unc_mining\unc_gallup-4th2005_final.xls



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C05070910-010
Client Sample ID: 708

Report Date: 08/26/05
Collection Date: 07/19/05 11:35
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	ND	mg/L			1	A2320 B	07/26/05 20:26 / sl
Calcium	464	mg/L	D		0.6	E200.7	08/01/05 16:23 / ts
Chloride	27	mg/L			1	E200.7	08/01/05 16:20 / ts
Magnesium	563	mg/L	D		0.5	E200.7	08/01/05 16:23 / ts
Nitrogen, Ammonia as N	1.86	mg/L			0.05	A4500-NH3 G	07/28/05 13:35 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L			0.1	E353.2	07/27/05 08:50 / jal
Potassium	12.0	mg/L			0.5	E200.7	08/01/05 16:20 / ts
Sodium	119	mg/L			0.5	E200.7	08/01/05 16:20 / ts
Sulfate	3810	mg/L	D		8	E200.7	08/01/05 16:23 / ts
PHYSICAL PROPERTIES							
pH	3.55	s.u.			0.01	A4500-H B	07/25/05 13:33 / th
Solids, Total Dissolved TDS @ 180 C	5950	mg/L			10	A2540 C	07/25/05 12:33 / th
METALS - TOTAL							
Aluminum	2.6	mg/L			0.1	E200.8	08/03/05 08:29 / bws
Beryllium	ND	mg/L			0.01	E200.8	08/03/05 08:29 / bws
Cadmium	ND	mg/L			0.005	E200.8	08/03/05 08:29 / bws
Cobalt	0.34	mg/L			0.01	E200.7	08/01/05 16:20 / ts
Lead	ND	mg/L			0.05	E200.8	08/03/05 08:29 / bws
Manganese	9.63	mg/L			0.01	E200.7	08/01/05 16:20 / ts
Molybdenum	ND	mg/L			0.1	E200.7	08/01/05 16:20 / ts
Nickel	0.31	mg/L			0.05	E200.8	08/03/05 08:29 / bws
Uranium	0.0240	mg/L			0.0003	E200.8	08/03/05 08:29 / bws
Vanadium	ND	mg/L			0.1	E200.7	08/01/05 16:20 / ts
METALS - SPECIATED							
Arsenic-III	0.001	mg/L			0.001	A3114 B	07/25/05 10:42 / sml
Selenium-IV	ND	mg/L			0.001	A3114 B	07/25/05 15:29 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	8.8	pCi/L			1.0	E900.1	07/28/05 15:25 / rs
Gross Alpha minus Rn & U Precision (±)	1.9	pCi/L				E900.1	07/28/05 15:25 / rs
Lead 210	ND	pCi/L			1.0	NERHL-65-4	07/29/05 12:57 / ph
Radium 226	6.2	pCi/L			0.2	E903.0	07/25/05 14:05 / df
Radium 226 precision (±)	0.8	pCi/L				E903.0	07/25/05 14:05 / df
Radium 228	5.2	pCi/L			1.0	E904.0	07/25/05 14:05 / pj
Radium 228 precision (±)	1.0	pCi/L				E904.0	07/25/05 14:05 / pj
Thorium 230	ND	pCi/L			0.2	E907.0	08/17/05 10:30 / ph

port
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: C05070910-010
Client Sample ID: 708

Report Date: 08/26/05
Collection Date: 07/19/05 11:35
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	2.22	%				Calculation	08/09/05 10:38 / dab
Anions	80.1	meq/L				Calculation	08/09/05 10:38 / dab
Cations	83.7	meq/L				Calculation	08/09/05 10:38 / dab
Solids, Total Dissolved Calculated	5010	mg/L				Calculation	08/09/05 10:38 / dab
TDS Balance (0.80 - 1.20)	1.19	dec. %				Calculation	08/09/05 10:38 / dab
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	07/26/05 22:04 / rh
Surr: 1,2-Dichlorobenzene-d4	103	%REC			80-120	E624	07/26/05 22:04 / rh
Surr: Dibromofluoromethane	98.0	%REC			70-130	E624	07/26/05 22:04 / rh
Surr: p-Bromofluorobenzene	83.6	%REC			75-125	E624	07/26/05 22:04 / rh
Surr: Toluene-d8	98.4	%REC			80-120	E624	07/26/05 22:04 / rh

Port
nitions: 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: C05100641-011
Client Sample ID: 708

Report Date: 11/04/05
Collection Date: 10/11/05 10:40
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	ND	mg/L			1	A2320 B	10/17/05 15:52 / th
Calcium	458	mg/L	D		0.6	E200.7	10/19/05 17:20 / ts
Chloride	31	mg/L			1	E200.7	10/19/05 15:51 / ts
Magnesium	591	mg/L	D		0.5	E200.7	10/19/05 17:20 / ts
Nitrogen, Ammonia as N	1.84	mg/L			0.05	A4500-NH3 G	10/18/05 11:36 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L			0.1	E353.2	10/17/05 11:33 / jal
Potassium	12.6	mg/L			0.5	E200.7	10/19/05 15:51 / ts
Sodium	116	mg/L			0.5	E200.7	10/19/05 15:51 / ts
Sulfate	3960	mg/L	D		8	E200.7	10/19/05 17:20 / ts
PHYSICAL PROPERTIES							
pH	3.62	s.u.			0.01	A4500-H B	10/17/05 13:39 / jc
Solids, Total Dissolved TDS @ 180 C	5900	mg/L			10	A2540 C	10/17/05 13:41 / jc
METALS - TOTAL							
Aluminum	2.6	mg/L			0.1	E200.7	10/19/05 15:51 / ts
Beryllium	ND	mg/L			0.01	E200.8	10/20/05 20:14 / sml
Cadmium	ND	mg/L			0.005	E200.8	10/20/05 20:14 / sml
Cobalt	0.35	mg/L			0.01	E200.8	10/20/05 20:14 / sml
Lead	ND	mg/L			0.05	E200.8	10/20/05 20:14 / sml
Manganese	10.3	mg/L			0.01	E200.7	10/19/05 15:51 / ts
Molybdenum	ND	mg/L			0.1	E200.7	10/19/05 15:51 / ts
Nickel	0.33	mg/L			0.05	E200.8	10/20/05 20:14 / sml
Uranium	0.0214	mg/L			0.0003	E200.8	10/20/05 20:14 / sml
Vanadium	ND	mg/L			0.1	E200.7	10/19/05 15:51 / ts
METALS - SPECIATED							
Arsenic-III	0.001	mg/L			0.001	A3114 B	10/20/05 15:13 / sl
Selenium-IV	ND	mg/L			0.001	A3114 B	10/20/05 12:19 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	9.4	pCi/L			1.0	E900.1	10/20/05 16:55 / rs
Gross Alpha minus Rn & U Precision (±)	2.0	pCi/L				E900.1	10/20/05 16:55 / rs
Lead 210	ND	pCi/L			1.0	NERHL-65-4	10/25/05 10:30 / ph
Radium 226	8.6	pCi/L			0.2	E903.0	10/17/05 15:15 / df
Radium 226 precision (±)	1.0	pCi/L				E903.0	10/17/05 15:15 / df
Radium 228	8.7	pCi/L			1.0	RA-05	10/17/05 15:15 / pj
Radium 228 precision (±)	1.3	pCi/L				RA-05	10/17/05 15:15 / pj
Thorium 230	ND	pCi/L			0.2	E907.0	10/25/05 10:30 / ph

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: C05100641-011
Client Sample ID: 708

Report Date: 11/04/05
Collection Date: 10/11/05 10:40
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/ RL QCL	Method	Analysis Date / By
DATA QUALITY						
A/C Balance (± 5)	1.48	%			Calculation	10/21/05 17:04 / smd
Anions	83.4	meq/L			Calculation	10/21/05 17:04 / smd
Cations	85.9	meq/L			Calculation	10/21/05 17:04 / smd
Solids, Total Dissolved Calculated	5190	mg/L			Calculation	10/21/05 17:04 / smd
TDS Balance (0.80 - 1.20)	1.14	dec. %			Calculation	10/21/05 17:04 / smd
VOLATILE ORGANIC COMPOUNDS						
Chloroform	ND	ug/L		1.0	E624	10/20/05 01:06 / rh
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120 E624	10/20/05 01:06 / rh
Surr: Dibromofluoromethane	100	%REC			70-130 E624	10/20/05 01:06 / rh
Surr: p-Bromofluorobenzene	99.6	%REC			75-125 E624	10/20/05 01:06 / rh
Surr: Toluene-d8	98.4	%REC			80-120 E624	10/20/05 01:06 / rh

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:		10/11/2005	7/19/2005	4/12/2005	1/10/2005	
Receive Date:		10/14/2005	7/22/2005	4/15/2005	1/14/2005	
Report Date:		11/4/2005	8/24/2005	5/11/2005	2/3/2005	
Analyte	Units	C05100641-011	C05070910-010	C05040663-009	C05010491-008	
Bicarbonate as HCO ₃	mg/L	ND(1)	ND(1)	ND(1)	ND(1)	
Calcium	mg/L	458	464	484	463	
Chloride	mg/L	31	27	29	27	
Magnesium	mg/L	591	563	588	563	
Nitrogen, Ammonia as N	mg/L	1.84	1.86	1.96	1.64	
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	
Potassium	mg/L	12.6	12.0	12.5	11.9	
Sodium	mg/L	116	119	124	112	
Sulfate	mg/L	3960	3810	4050	3670	
pH	s.u.	3.62	3.55	3.73	3.71	
Solids, Total Dissolved TDS @ 180 C	mg/L	5900	5950	5630	5750	
Aluminum	mg/L	2.6	2.6	2.7	1.8	
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	0.35	0.34	0.34	0.37	
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	
Manganese	mg/L	10.3	9.63	10.1	8.87	
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	
Nickel	mg/L	0.33	0.31	0.29	0.31	
Uranium	mg/L	0.0214	0.0240	0.0217	0.0178	
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	
Arsenic-III	mg/L	0.001	0.001	ND(0.001)	0.002	
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	
Gross Alpha minus Rn & U	pCi/L	9.4	8.8	10.1	13.4	
Gross Alpha minus Rn & U Precision (±)	pCi/L	2.0	1.9	1.4	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	8.6	6.2	8.7	4.8	
Radium 226 precision (±)	pCi/L	1.0	0.8	1.0	0.9	
Radium 228	pCi/L	8.7	5.2	6.3	5.8	
Radium 228 precision (±)	pCi/L	1.3	1.0	1.2	1.6	
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)		1.48	2.22	1.21	3.39	
Anions		83.4	80.1	85.2	77.2	
Cations		85.9	83.7	87.3	82.6	
Solids, Total Dissolved Calculated		5190	5010	5310	4860	
TDS Balance (0.80 - 1.20)		1.14	1.19	1.06	1.18	
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	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.

kls: r:\clients2005\unc_mining\unc_gallup-4th2005_final.xls

LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C05070910-001
Client Sample ID: NBL-1

Report Date: 08/26/05
Collection Date: 07/18/05 09:35
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	129	mg/L		1		A2320 B	07/26/05 19:21 / sl
Calcium	628	mg/L	D	0.6		E200.7	08/01/05 14:44 / ts
Chloride	35	mg/L		1		E200.7	08/01/05 14:41 / ts
Magnesium	301	mg/L	D	0.5		E200.7	08/01/05 14:44 / ts
Nitrogen, Ammonia as N	0.54	mg/L		0.05		A4500-NH3 G	07/28/05 13:12 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/27/05 08:15 / jal
Potassium	7.1	mg/L		0.5		E200.7	08/01/05 14:41 / ts
Sodium	138	mg/L		0.5		E200.7	08/01/05 14:41 / ts
Sulfate	2630	mg/L	D	8		E200.7	08/01/05 14:44 / ts
PHYSICAL PROPERTIES							
pH	6.70	s.u.		0.01		A4500-H B	07/25/05 13:21 / th
Solids, Total Dissolved TDS @ 180 C	4170	mg/L		10		A2540 C	07/25/05 12:27 / th
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	08/03/05 06:46 / bws
Beryllium	ND	mg/L		0.01		E200.8	08/03/05 06:46 / bws
Cadmium	ND	mg/L		0.005		E200.8	08/03/05 06:46 / bws
Cobalt	0.22	mg/L		0.01		E200.7	08/01/05 14:41 / ts
Lead	ND	mg/L		0.05		E200.8	08/03/05 06:46 / bws
Manganese	5.06	mg/L		0.01		E200.7	08/01/05 14:41 / ts
Molybdenum	0.9	mg/L		0.1		E200.7	08/01/05 14:41 / ts
Nickel	0.28	mg/L		0.05		E200.8	08/03/05 06:46 / bws
Uranium	0.0275	mg/L		0.0003		E200.8	08/03/05 06:46 / bws
Vanadium	ND	mg/L		0.1		E200.7	08/01/05 14:41 / ts
METALS - SPECIATED							
Arsenic-III	0.82	mg/L	D	0.01		A3114 B	07/25/05 09:53 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	07/25/05 14:56 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	9.2	pCi/L		1.0		E900.1	07/28/05 15:25 / rs
Gross Alpha minus Rn & U Precision (±)	2.0	pCi/L				E900.1	07/28/05 15:25 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	07/29/05 12:57 / ph
Radium 226	8.6	pCi/L		0.2		E903.0	07/25/05 14:05 / df
Radium 226 precision (±)	0.9	pCi/L				E903.0	07/25/05 14:05 / df
Radium 228	4.6	pCi/L		1.0		E904.0	07/25/05 14:05 / pj
Radium 228 precision (±)	1.0	pCi/L				E904.0	07/25/05 14:05 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	08/17/05 10:30 / ph

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: C05070910-001
Client Sample ID: NBL-1

Report Date: 08/26/05
Collection Date: 07/18/05 09:35
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	4.41	%				Calculation	08/09/05 10:31 / dab
Anions	57.8	meq/L				Calculation	08/09/05 10:31 / dab
Cations	63.1	meq/L				Calculation	08/09/05 10:31 / dab
Solids, Total Dissolved Calculated	3810	mg/L				Calculation	08/09/05 10:31 / dab
TDS Balance (0.80 - 1.20)	1.09	dec. %				Calculation	08/09/05 10:31 / dab
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	07/26/05 19:04 / rh
Surr: 1,2-Dichlorobenzene-d4	104	%REC			80-120	E624	07/26/05 19:04 / rh
Surr: Dibromofluoromethane	101	%REC			70-130	E624	07/26/05 19:04 / rh
Surr: p-Bromofluorobenzene	92.4	%REC			75-125	E624	07/26/05 19:04 / rh
Surr: Toluene-d8	95.6	%REC			80-120	E624	07/26/05 19:04 / rh

Port
Initiations: 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: C05100641-001
Client Sample ID: NBL-1

Report Date: 11/04/05 09:30
Collection Date: 10/10/05 09:00
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	122	mg/L		1		A2320 B	10/17/05 15:52 / th
Calcium	613	mg/L	D	0.6		E200.7	10/19/05 15:54 / ts
Chloride	34	mg/L		1		E200.7	10/19/05 15:11 / ts
Magnesium	319	mg/L	D	0.5		E200.7	10/19/05 15:54 / ts
Nitrogen, Ammonia as N	0.52	mg/L		0.05		A4500-NH3 G	10/18/05 11:06 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/17/05 10:55 / jal
Potassium	7.3	mg/L		0.5		E200.7	10/19/05 15:11 / ts
Sodium	133	mg/L		0.5		E200.7	10/19/05 15:11 / ts
Sulfate	2640	mg/L	D	8		E200.7	10/19/05 15:54 / ts
PHYSICAL PROPERTIES							
pH	6.69	s.u.		0.01		A4500-H B	10/17/05 12:59 / jc
Solids, Total Dissolved TDS @ 180 C	4090	mg/L		10		A2540 C	10/17/05 13:33 / jc
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	10/19/05 15:11 / ts
Beryllium	ND	mg/L		0.01		E200.8	10/20/05 17:48 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/20/05 17:48 / sml
Cobalt	0.28	mg/L		0.01		E200.8	10/20/05 17:48 / sml
Lead	ND	mg/L		0.05		E200.8	10/20/05 17:48 / sml
Manganese	5.37	mg/L		0.01		E200.7	10/19/05 15:11 / ts
Molybdenum	1.0	mg/L		0.1		E200.7	10/19/05 15:11 / ts
Nickel	0.34	mg/L		0.05		E200.8	10/20/05 17:48 / sml
Uranium	0.0202	mg/L		0.0003		E200.8	10/20/05 17:48 / sml
Vanadium	ND	mg/L		0.1		E200.7	10/19/05 15:11 / ts
METALS - SPECIATED							
Arsenic-III	0.06	mg/L		0.001		A3114 B	10/20/05 14:36 / sl
Selenium-IV	ND	mg/L		0.001		A3114 B	10/20/05 11:48 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	10.5	pCi/L		1.0		E900.1	10/20/05 16:55 / rs
Gross Alpha minus Rn & U Precision (±)	2.1	pCi/L				E900.1	10/20/05 16:55 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	10/25/05 10:30 / ph
Radium 226	9.2	pCi/L		0.2		E903.0	10/17/05 15:15 / df
Radium 226 precision (±)	1.0	pCi/L				E903.0	10/17/05 15:15 / df
Radium 228	4.7	pCi/L		1.0		RA-05	10/17/05 15:15 / pj
Radium 228 precision (±)	1.3	pCi/L				RA-05	10/17/05 15:15 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	10/25/05 10:30 / ph

port
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: C05100641-001
Client Sample ID: NBL-1

Report Date: 11/04/05
Collection Date: 10/10/05 09:30
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	4.70	%				Calculation	10/21/05 17:01 / smd
Anions	58.0	meq/L				Calculation	10/21/05 17:01 / smd
Cations	63.7	meq/L				Calculation	10/21/05 17:01 / smd
Solids, Total Dissolved Calculated	3830	mg/L				Calculation	10/21/05 17:01 / smd
TDS Balance (0.80 - 1.20)	1.07	dec. %				Calculation	10/21/05 17:01 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	10/17/05 21:21 / jlr
Surr: 1,2-Dichlorobenzene-d4	102	%REC			80-120	E624	10/17/05 21:21 / jlr
Surr: Dibromofluoromethane	116	%REC			70-130	E624	10/17/05 21:21 / jlr
Surr: p-Bromofluorobenzene	104	%REC			75-125	E624	10/17/05 21:21 / jlr
Surr: Toluene-d8	93.2	%REC			80-120	E624	10/17/05 21:21 / 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:		NBL-1	NBL-1	NBL-1	NBL-1
Collection Date:		10/10/2005	7/18/2005	4/12/2005	1/10/2005
Receive Date:		10/14/2005	7/22/2005	4/15/2005	1/14/2005
Report Date:		11/4/2005	8/24/2005	5/11/2005	2/3/2005
Analyte	Units	C05100641-001	C05070910-001	C05040663-005	C05010491-001
Bicarbonate as HCO ₃	mg/L	122	129	169	218
Calcium	mg/L	613	628	652	650
Chloride	mg/L	34	35	36	36
Magnesium	mg/L	319	301	294	262
Nitrogen, Ammonia as N	mg/L	0.52	0.54	0.82	0.37
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Potassium	mg/L	7.3	7.1	7.4	7.2
Sodium	mg/L	133	138	141	128
Sulfate	mg/L	2640	2630	2740	2500
pH	s.u.	6.69	6.70	6.55	6.75
Solids, Total Dissolved TDS @ 180 C	mg/L	4090	4170	3980	4110
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	0.28	0.22	0.16	0.12
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	5.37	5.06	4.82	3.73
Molybdenum	mg/L	1.0	0.9	1.2	1.2
Nickel	mg/L	0.34	0.28	0.21	0.17
Uranium	mg/L	0.0202	0.0275	0.0423	0.0696
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.06	0.82	0.63	2.3
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	10.5	9.2	8.1	5.7
Gross Alpha minus Rn & U Precision (±)	pCi/L	2.1	2.0	1.2	1.7
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	9.2	8.6	8.3	6.3
Radium 226 precision (±)	pCi/L	1.0	0.9	1.0	1.0
Radium 228	pCi/L	4.7	4.6	3.5	3.3
Radium 228 precision (±)	pCi/L	1.3	1.0	1.1	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)		4.70	4.41	2.33	3.09
Anions		58.0	57.8	60.9	56.7
Cations		63.7	63.1	63.9	60.4
Solids, Total Dissolved Calculated		3830	3810	3970	3710
TDS Balance (0.80 - 1.20)		1.07	1.09	1.00	1.11
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	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.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C05070910-007
Client Sample ID: EPA-13

Report Date: 08/26/05
Collection Date: 07/19/05 09:00
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	77	mg/L			1	A2320 B	07/26/05 20:19 / sl
Calcium	463	mg/L	D		0.6	E200.7	08/01/05 15:58 / ts
Chloride	40	mg/L			1	E200.7	08/01/05 15:46 / ts
Magnesium	733	mg/L	D		0.5	E200.7	08/01/05 15:58 / ts
Nitrogen, Ammonia as N	0.78	mg/L			0.05	A4500-NH3 G	07/28/05 13:30 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L			0.1	E353.2	07/27/05 08:38 / jal
Potassium	11.4	mg/L			0.5	E200.7	08/01/05 15:46 / ts
Sodium	146	mg/L			0.5	E200.7	08/01/05 15:46 / ts
Sulfate	4050	mg/L	D		8	E200.7	08/01/05 15:58 / ts
PHYSICAL PROPERTIES							
pH	6.29	s.u.			0.01	A4500-H B	07/25/05 13:30 / th
Solids, Total Dissolved TDS @ 180 C	6500	mg/L			10	A2540 C	07/25/05 12:32 / th
METALS - TOTAL							
Aluminum	ND	mg/L			0.1	E200.8	08/03/05 08:09 / bws
Beryllium	ND	mg/L			0.01	E200.8	08/03/05 08:09 / bws
Cadmium	ND	mg/L			0.005	E200.8	08/03/05 08:09 / bws
Cobalt	0.05	mg/L			0.01	E200.7	08/01/05 15:46 / ts
Lead	ND	mg/L			0.05	E200.8	08/03/05 08:09 / bws
Manganese	6.09	mg/L			0.01	E200.7	08/01/05 15:46 / ts
Molybdenum	0.1	mg/L			0.1	E200.7	08/01/05 15:46 / ts
Nickel	0.15	mg/L			0.05	E200.8	08/03/05 08:09 / bws
Uranium	0.0135	mg/L			0.0003	E200.8	08/03/05 08:09 / bws
Vanadium	ND	mg/L			0.1	E200.7	08/01/05 15:46 / ts
METALS - SPECIATED							
Arsenic-III	0.21	mg/L	D		0.005	A3114 B	07/25/05 10:37 / sml
Selenium-IV	ND	mg/L			0.001	A3114 B	07/25/05 15:21 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	6.6	pCi/L			1.0	E900.1	07/28/05 15:25 / rs
Gross Alpha minus Rn & U Precision (±)	1.7	pCi/L				E900.1	07/28/05 15:25 / rs
Lead 210	ND	pCi/L			1.0	NERHL-65-4	07/29/05 12:57 / ph
Radium 226	4.5	pCi/L			0.2	E903.0	07/25/05 14:05 / df
Radium 226 precision (±)	0.7	pCi/L				E903.0	07/25/05 14:05 / df
Radium 228	3.6	pCi/L			1.0	E904.0	07/25/05 14:05 / pj
Radium 228 precision (±)	1	pCi/L				E904.0	07/25/05 14:05 / pj
Thorium 230	ND	pCi/L			0.2	E907.0	08/17/05 10:30 / ph

port
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: C05070910-007
Client Sample ID: EPA-13

Report Date: 08/26/05
Collection Date: 07/19/05 09:00
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	2.40	%				Calculation	08/09/05 10:37 / dab
Anions	86.8	meq/L				Calculation	08/09/05 10:37 / dab
Cations	91.0	meq/L				Calculation	08/09/05 10:37 / dab
Solids, Total Dissolved Calculated	5500	mg/L				Calculation	08/09/05 10:37 / dab
TDS Balance (0.80 - 1.20)	1.18	dec. %				Calculation	08/09/05 10:37 / dab
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	07/26/05 16:48 / rh
Surr: 1,2-Dichlorobenzene-d4	108	%REC			80-120	E624	07/26/05 16:48 / rh
Surr: Dibromofluoromethane	95.6	%REC			70-130	E624	07/26/05 16:48 / rh
Surr: p-Bromofluorobenzene	85.2	%REC			75-125	E624	07/26/05 16:48 / rh
Surr: Toluene-d8	101	%REC			80-120	E624	07/26/05 16:48 / rh

ort

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: C05100641-008
Client Sample ID: EPA-13

Report Date: 11/04/05
Collection Date: 10/11/05 09:15
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	82	mg/L		1		A2320 B	10/17/05 15:52 / th
Calcium	475	mg/L	D	0.6		E200.7	10/19/05 17:11 / ts
Chloride	42	mg/L		1		E200.7	10/19/05 15:41 / ts
Magnesium	788	mg/L	D	0.5		E200.7	10/19/05 17:11 / ts
Nitrogen, Ammonia as N	0.79	mg/L		0.05		A4500-NH3 G	10/18/05 11:30 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/17/05 11:20 / jal
Potassium	11.9	mg/L		0.5		E200.7	10/19/05 15:41 / ts
Sodium	140	mg/L		0.5		E200.7	10/19/05 15:41 / ts
Sulfate	4360	mg/L	D	8		E200.7	10/19/05 17:11 / ts
PHYSICAL PROPERTIES							
pH	6.56	s.u.		0.01		A4500-H B	10/17/05 13:30 / jc
Solids, Total Dissolved TDS @ 180 C	6270	mg/L		10		A2540 C	10/17/05 13:40 / jc
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	10/19/05 15:41 / ts
Beryllium	ND	mg/L		0.01		E200.8	10/20/05 19:21 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/20/05 19:21 / sml
Cobalt	0.06	mg/L		0.01		E200.8	10/20/05 19:21 / sml
Lead	ND	mg/L		0.05		E200.8	10/20/05 19:21 / sml
Manganese	6.44	mg/L		0.01		E200.7	10/19/05 15:41 / ts
Molybdenum	0.1	mg/L		0.1		E200.7	10/19/05 15:41 / ts
Nickel	0.14	mg/L		0.05		E200.8	10/20/05 19:21 / sml
Uranium	0.0129	mg/L		0.0003		E200.8	10/20/05 19:21 / sml
Vanadium	ND	mg/L		0.1		E200.7	10/19/05 15:41 / ts
METALS - SPECIATED							
Arsenic-III	0.03	mg/L		0.001		A3114 B	10/20/05 14:53 / sl
Selenium-IV	ND	mg/L		0.001		A3114 B	10/20/05 12:02 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	7.7	pCi/L		1.0		E900.1	10/20/05 16:55 / rs
Gross Alpha minus Rn & U Precision (±)	1.8	pCi/L				E900.1	10/20/05 16:55 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	10/25/05 10:30 / ph
Radium 226	6.0	pCi/L		0.2		E903.0	10/17/05 15:15 / df
Radium 226 precision (±)	0.8	pCi/L				E903.0	10/17/05 15:15 / df
Radium 228	3.8	pCi/L		1.0		RA-05	10/17/05 15:15 / pj
Radium 228 precision (±)	1.2	pCi/L				RA-05	10/17/05 15:15 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	10/25/05 10:30 / ph

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: C05100641-008
Client Sample ID: EPA-13

Report Date: 11/04/05
Collection Date: 10/11/05 09:15
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	1.38	%				Calculation	10/21/05 17:03 / smd
Anions	93.4	meq/L				Calculation	10/21/05 17:03 / smd
Cations	96.0	meq/L				Calculation	10/21/05 17:03 / smd
Solids, Total Dissolved Calculated	5880	mg/L				Calculation	10/21/05 17:03 / smd
TDS Balance (0.80 - 1.20)	1.07	dec. %				Calculation	10/21/05 17:03 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	10/19/05 23:11 / rh
Surr: 1,2-Dichlorobenzene-d4	106	%REC			80-120	E624	10/19/05 23:11 / rh
Surr: Dibromofluoromethane	102	%REC			70-130	E624	10/19/05 23:11 / rh
Surr: p-Bromofluorobenzene	95.6	%REC			75-125	E624	10/19/05 23:11 / rh
Surr: Toluene-d8	111	%REC			80-120	E624	10/19/05 23:11 / rh

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:		10/11/2005	7/19/2005	4/12/2005	1/11/2005
Receive Date:		10/14/2005	7/22/2005	4/15/2005	1/14/2005
Report Date:		11/4/2005	8/24/2005	5/11/2005	2/3/2005
Analyte	Units	C05100641-008	C05070910-007	C05040663-006	C05010491-011
Bicarbonate as HCO ₃	mg/L	82	77	76	84
Calcium	mg/L	475	463	492	464
Chloride	mg/L	42	40	42	39
Magnesium	mg/L	788	733	786	744
Nitrogen, Ammonia as N	mg/L	0.79	0.78	0.70	0.69
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Potassium	mg/L	11.9	11.4	11.8	11.3
Sodium	mg/L	140	146	149	132
Sulfate	mg/L	4360	4050	4450	3970
pH	s.u.	6.56	6.29	6.37	6.37
Solids, Total Dissolved TDS @ 180 C	mg/L	6270	6500	6050	6350
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	0.05	0.05
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	6.44	6.09	6.50	5.78
Molybdenum	mg/L	0.1	0.1	0.2	0.1
Nickel	mg/L	0.14	0.15	0.14	0.14
Uranium	mg/L	0.0129	0.0135	0.0135	0.0135
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.03	0.21	0.24	0.68
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	7.7	6.6	5.3	7.3
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.8	1.7	1.1	1.7
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	6.0	4.5	5.7	4.0
Radium 226 precision (±)	pCi/L	0.8	0.7	0.8	1.1
Radium 228	pCi/L	3.8	3.6	2.9	7.0
Radium 228 precision (±)	pCi/L	1.2	1.0	1.1	2.3
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)		1.38	2.40	1.05	3.52
Anions		93.4	86.8	95.1	85.2
Cations		96.0	91.0	97.1	91.4
Solids, Total Dissolved Calculated		5880	5500	5990	5420
TDS Balance (0.80 - 1.20)		1.07	1.18	1.01	1.17
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	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.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C05070910-005
Client Sample ID: 717

Report Date: 08/26/05
Collection Date: 07/18/05 14:41
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	480	mg/L		1		A2320 B	07/26/05 20:04 / sl
Calcium	685	mg/L	D	0.6		E200.7	08/01/05 15:37 / ts
Chloride	61	mg/L		1		E200.7	08/01/05 15:33 / ts
Magnesium	288	mg/L	D	0.5		E200.7	08/01/05 15:37 / ts
Nitrogen, Ammonia as N	6.1	mg/L	D	0.1		A4500-NH3 G	07/28/05 13:42 / jal
Nitrogen, Nitrate+Nitrite as N	27.2	mg/L	D	0.3		E353.2	07/27/05 08:33 / jal
Potassium	11.0	mg/L		0.5		E200.7	08/01/05 15:33 / ts
Sodium	158	mg/L		0.5		E200.7	08/01/05 15:33 / ts
Sulfate	2420	mg/L	D	8		E200.7	08/01/05 15:37 / ts
PHYSICAL PROPERTIES							
pH	6.97	s.u.		0.01		A4500-H B	07/25/05 13:29 / th
Solids, Total Dissolved TDS @ 180 C	4450	mg/L		10		A2540 C	07/25/05 12:31 / th
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	08/03/05 07:32 / bws
Beryllium	ND	mg/L		0.01		E200.8	08/03/05 07:32 / bws
Cadmium	ND	mg/L		0.005		E200.8	08/03/05 07:32 / bws
Cobalt	0.02	mg/L		0.01		E200.8	08/03/05 07:32 / bws
Lead	ND	mg/L		0.05		E200.8	08/03/05 07:32 / bws
Manganese	4.28	mg/L		0.01		E200.7	08/01/05 15:33 / ts
Molybdenum	ND	mg/L		0.1		E200.7	08/01/05 15:33 / ts
Nickel	ND	mg/L		0.05		E200.8	08/03/05 07:32 / bws
Uranium	0.0554	mg/L		0.0003		E200.8	08/03/05 07:32 / bws
Vanadium	ND	mg/L		0.1		E200.7	08/01/05 15:33 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	07/25/05 10:28 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	07/25/05 15:17 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	7.8	pCi/L		1.0		E900.1	07/28/05 15:25 / rs
Gross Alpha minus Rn & U Precision (±)	1.8	pCi/L				E900.1	07/28/05 15:25 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	07/29/05 12:57 / ph
Radium 226	5.5	pCi/L		0.2		E903.0	07/25/05 14:05 / df
Radium 226 precision (±)	1.0	pCi/L				E903.0	07/25/05 14:05 / df
Radium 228	5.4	pCi/L		1.0		E904.0	07/25/05 14:05 / pj
Radium 228 precision (±)	1.6	pCi/L				E904.0	07/25/05 14:05 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	08/17/05 10:30 / ph

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: C05070910-005
Client Sample ID: 717

Report Date: 08/26/05
Collection Date: 07/18/05 14:41
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	2.95	%				Calculation	08/09/05 10:35 / dab
Anions	62.0	meq/L				Calculation	08/09/05 10:35 / dab
Cations	65.8	meq/L				Calculation	08/09/05 10:35 / dab
Solids, Total Dissolved Calculated	4000	mg/L				Calculation	08/09/05 10:35 / dab
TDS Balance (0.80 - 1.20)	1.11	dec. %				Calculation	08/09/05 10:35 / dab
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	07/26/05 15:16 / rh
Surr: 1,2-Dichlorobenzene-d4	99.6	%REC			80-120	E624	07/26/05 15:16 / rh
Surr: Dibromofluoromethane	90.8	%REC			70-130	E624	07/26/05 15:16 / rh
Surr: p-Bromofluorobenzene	90.4	%REC			75-125	E624	07/26/05 15:16 / rh
Surr: Toluene-d8	103	%REC			80-120	E624	07/26/05 15:16 / rh

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: C05100641-005
Client Sample ID: 717

Report Date: 11/04/05
Collection Date: 10/10/05 14:03
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	518	mg/L			1	A2320 B	10/17/05 15:52 / th
Calcium	712	mg/L	D		0.6	E200.7	10/19/05 16:33 / ts
Chloride	72	mg/L			1	E200.7	10/19/05 15:32 / ts
Magnesium	319	mg/L	D		0.5	E200.7	10/19/05 16:33 / ts
Nitrogen, Ammonia as N	6.6	mg/L	D		0.1	A4500-NH3 G	10/18/05 11:46 / jal
Nitrogen, Nitrate+Nitrite as N	26.4	mg/L	D		0.3	E353.2	10/17/05 11:05 / jal
Potassium	11.9	mg/L			0.5	E200.7	10/19/05 15:32 / ts
Sodium	152	mg/L			0.5	E200.7	10/19/05 15:32 / ts
Sulfate	2520	mg/L	D		8	E200.7	10/19/05 16:33 / ts
PHYSICAL PROPERTIES							
pH	7.00	s.u.			0.01	A4500-H B	10/17/05 13:15 / jc
Solids, Total Dissolved TDS @ 180 C	4500	mg/L			10	A2540 C	10/17/05 13:38 / jc
METALS - TOTAL							
Aluminum	ND	mg/L			0.1	E200.7	10/19/05 15:32 / ts
Beryllium	ND	mg/L			0.01	E200.8	10/20/05 19:01 / sml
Cadmium	ND	mg/L			0.005	E200.8	10/20/05 19:01 / sml
Cobalt	0.03	mg/L			0.01	E200.8	10/20/05 19:01 / sml
Lead	ND	mg/L			0.05	E200.8	10/20/05 19:01 / sml
Manganese	4.50	mg/L			0.01	E200.7	10/19/05 15:32 / ts
Molybdenum	ND	mg/L			0.1	E200.7	10/19/05 15:32 / ts
Nickel	ND	mg/L			0.05	E200.8	10/20/05 19:01 / sml
Uranium	0.0536	mg/L			0.0003	E200.8	10/20/05 19:01 / sml
Vanadium	ND	mg/L			0.1	E200.7	10/19/05 15:32 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L			0.001	A3114 B	10/20/05 14:44 / sl
Selenium-IV	ND	mg/L			0.001	A3114 B	10/20/05 11:56 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	9.2	pCi/L			1.0	E900.1	10/20/05 16:55 / rs
Gross Alpha minus Rn & U Precision (±)	2.0	pCi/L				E900.1	10/20/05 16:55 / rs
Lead 210	ND	pCi/L			1.0	NERHL-65-4	10/25/05 10:30 / ph
Radium 226	7.2	pCi/L			0.2	E903.0	10/17/05 15:15 / df
Radium 226 precision (±)	0.9	pCi/L				E903.0	10/17/05 15:15 / df
Radium 228	8.5	pCi/L			1.0	RA-05	10/17/05 15:15 / pj
Radium 228 precision (±)	1.4	pCi/L				RA-05	10/17/05 15:15 / pj
Thorium 230	ND	pCi/L			0.2	E907.0	10/25/05 10:30 / ph

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: C05100641-005
Client Sample ID: 717

Report Date: 11/04/05
Collection Date: 10/10/05 14:03
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	3.35	%				Calculation	10/21/05 17:02 / smd
Anions	65.0	meq/L				Calculation	10/21/05 17:02 / smd
Cations	69.5	meq/L				Calculation	10/21/05 17:02 / smd
Solids, Total Dissolved Calculated	4180	mg/L				Calculation	10/21/05 17:02 / smd
TDS Balance (0.80 - 1.20)	1.08	dec. %				Calculation	10/21/05 17:02 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	10/17/05 19:25 / jlr
Surr: 1,2-Dichlorobenzene-d4	103	%REC			80-120	E624	10/17/05 19:25 / jlr
Surr: Dibromofluoromethane	116	%REC			70-130	E624	10/17/05 19:25 / jlr
Surr: p-Bromofluorobenzene	102	%REC			75-125	E624	10/17/05 19:25 / jlr
Surr: Toluene-d8	94.0	%REC			80-120	E624	10/17/05 19:25 / 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 3 Monitor Wells					
Well ID:		717	717	717	717
Collection Date:		10/10/2005	7/18/2005	4/18/2005	1/10/2005
Receive Date:		10/14/2005	7/22/2005	4/22/2005	1/14/2005
Report Date:		11/4/2005	8/24/2005	5/13/2005	2/3/2005
Analyte	Units	C05100641-005	C05070910-005	C05040940-001	C05010491-005
Bicarbonate as HCO ₃	mg/L	518	480	512	541
Calcium	mg/L	712	685	649	719
Chloride	mg/L	72	61	128	69
Magnesium	mg/L	319	288	253	272
Nitrogen, Ammonia as N	mg/L	6.6	6.1	4.69	2.88
Nitrogen, Nitrate+Nitrite as N	mg/L	26.4	27.2	27.1	25.8
Potassium	mg/L	11.9	11.0	11.5	9.9
Sodium	mg/L	152	158	151	147
Sulfate	mg/L	2520	2420	2410	2280
pH	s.u.	7.00	6.97	7.09	6.94
Solids, Total Dissolved TDS @ 180 C	mg/L	4500	4450	4210	4280
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	0.03	0.02	0.02	0.01
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	4.50	4.28	3.91	3.34
Molybdenum	mg/L	ND(0.1)	ND(0.1)	0.1	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0536	0.0554	0.0576	0.0708
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	7.8	5.9	5.5
Gross Alpha minus Rn & U Precision (±)	pCi/L	2.0	1.8	1.3	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	7.2	5.5	6.1	4.5
Radium 226 precision (±)	pCi/L	0.9	1.0	0.8	0.9
Radium 228	pCi/L	8.5	5.4	7.6	4.2
Radium 228 precision (±)	pCi/L	1.4	1.6	1.3	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)		3.35	2.95	-2.76	4.08
Anions		65.0	62.0	64.1	60.2
Cations		69.5	65.8	60.7	65.3
Solids, Total Dissolved Calculated		4180	4000	3970	3890
TDS Balance (0.80 - 1.20)		1.08	1.11	1.06	1.10
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	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.

kls: r:\clients2005\unc_mining\unc_gallup-4th2005_final.xls

LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C05070910-003
Client Sample ID: 719

Report Date: 08/26/05
Collection Date: 07/18/05 13:37
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	ND	mg/L		1		A2320 B	07/26/05 19:43 / sl
Calcium	534	mg/L	D	0.6		E200.7	08/01/05 14:57 / ts
Chloride	31	mg/L		1		E200.7	08/01/05 14:54 / ts
Magnesium	397	mg/L	D	0.5		E200.7	08/01/05 14:57 / ts
Nitrogen, Ammonia as N	1.20	mg/L		0.05		A4500-NH3 G	07/28/05 13:16 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/27/05 08:20 / jal
Potassium	9.8	mg/L		0.5		E200.7	08/01/05 14:54 / ts
Sodium	130	mg/L		0.5		E200.7	08/01/05 14:54 / ts
Sulfate	3000	mg/L	D	8		E200.7	08/01/05 14:57 / ts
PHYSICAL PROPERTIES							
pH	3.46	s.u.		0.01		A4500-H B	07/25/05 13:26 / th
Solids, Total Dissolved TDS @ 180 C	4640	mg/L		10		A2540 C	07/25/05 12:30 / th
METALS - TOTAL							
Aluminum	17.3	mg/L		0.1		E200.7	08/01/05 14:54 / ts
Beryllium	0.02	mg/L		0.01		E200.8	08/03/05 06:59 / bws
Cadmium	ND	mg/L		0.005		E200.8	08/03/05 06:59 / bws
Cobalt	0.23	mg/L		0.01		E200.7	08/01/05 14:54 / ts
Lead	ND	mg/L		0.05		E200.8	08/03/05 06:59 / bws
Manganese	4.96	mg/L		0.01		E200.7	08/01/05 14:54 / ts
Molybdenum	ND	mg/L		0.1		E200.7	08/01/05 14:54 / ts
Nickel	0.33	mg/L		0.05		E200.8	08/03/05 06:59 / bws
Uranium	0.136	mg/L		0.0003		E200.8	08/03/05 06:59 / bws
Vanadium	ND	mg/L		0.1		E200.7	08/01/05 14:54 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	07/25/05 09:59 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	07/25/05 14:59 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	5.8	pCi/L		1.0		E900.1	07/28/05 15:25 / rs
Gross Alpha minus Rn & U Precision (±)	1.6	pCi/L				E900.1	07/28/05 15:25 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	07/29/05 12:57 / ph
Radium 226	3.4	pCi/L		0.2		E903.0	07/25/05 14:05 / df
Radium 226 precision (±)	0.6	pCi/L				E903.0	07/25/05 14:05 / df
Radium 228	4.4	pCi/L		1.0		E904.0	07/25/05 14:05 / pj
Radium 228 precision (±)	1.0	pCi/L				E904.0	07/25/05 14:05 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	08/17/05 10:30 / ph

port
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: C05070910-003
Client Sample ID: 719

Report Date: 08/26/05
Collection Date: 07/18/05 13:37
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	3.34	%				Calculation	08/09/05 10:32 / dab
Anions	63.5	meq/L				Calculation	08/09/05 10:32 / dab
Cations	67.8	meq/L				Calculation	08/09/05 10:32 / dab
Solids, Total Dissolved Calculated	4120	mg/L				Calculation	08/09/05 10:32 / dab
TDS Balance (0.80 - 1.20)	1.13	dec. %				Calculation	08/09/05 10:32 / dab
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	07/26/05 20:34 / rh
Surr: 1,2-Dichlorobenzene-d4	110	%REC			80-120	E624	07/26/05 20:34 / rh
Surr: Dibromofluoromethane	98.4	%REC			70-130	E624	07/26/05 20:34 / rh
Surr: p-Bromofluorobenzene	95.6	%REC			75-125	E624	07/26/05 20:34 / rh
Surr: Toluene-d8	99.6	%REC			80-120	E624	07/26/05 20:34 / rh

Port
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: C05100641-003
Client Sample ID: 719

Report Date: 11/04/05
Collection Date: 10/10/05 11:15
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	ND	mg/L		1		A2320 B	10/17/05 15:52 / th
Calcium	494	mg/L	D	0.6		E200.7	10/19/05 16:27 / ts
Chloride	30	mg/L		1		E200.7	10/19/05 15:17 / ts
Magnesium	709	mg/L	D	0.5		E200.7	10/19/05 16:27 / ts
Nitrogen, Ammonia as N	1.25	mg/L		0.05		A4500-NH3 G	10/18/05 11:14 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/17/05 11:00 / jal
Potassium	12.5	mg/L		0.5		E200.7	10/19/05 15:17 / ts
Sodium	157	mg/L		0.5		E200.7	10/19/05 15:17 / ts
Sulfate	4160	mg/L	D	8		E200.7	10/19/05 16:27 / ts
PHYSICAL PROPERTIES							
pH	3.82	s.u.		0.01		A4500-H B	10/17/05 13:11 / jc
Solids, Total Dissolved TDS @ 180 C	4540	mg/L		10		A2540 C	10/17/05 13:36 / jc
METALS - TOTAL							
Aluminum	0.2	mg/L		0.1		E200.7	10/19/05 15:17 / ts
Beryllium	0.01	mg/L		0.01		E200.8	10/20/05 18:01 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/20/05 18:01 / sml
Cobalt	0.26	mg/L		0.01		E200.8	10/20/05 18:01 / sml
Lead	ND	mg/L		0.05		E200.8	10/20/05 18:01 / sml
Manganese	7.12	mg/L		0.01		E200.7	10/19/05 15:17 / ts
Molybdenum	1.3	mg/L		0.1		E200.7	10/19/05 15:17 / ts
Nickel	0.30	mg/L		0.05		E200.8	10/20/05 18:01 / sml
Uranium	0.0994	mg/L		0.0003		E200.8	10/20/05 18:01 / sml
Vanadium	ND	mg/L		0.1		E200.7	10/19/05 15:17 / ts
METALS - SPECIATED							
Arsenic-III	0.02	mg/L		0.001		A3114 B	10/20/05 14:40 / sl
Selenium-IV	ND	mg/L		0.001		A3114 B	10/20/05 11:51 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	6.4	pCi/L		1.0		E900.1	10/20/05 16:55 / rs
Gross Alpha minus Rn & U Precision (±)	1.7	pCi/L				E900.1	10/20/05 16:55 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	10/25/05 10:30 / ph
Radium 226	4.3	pCi/L		0.2		E903.0	10/17/05 15:15 / df
Radium 226 precision (±)	1.0	pCi/L				E903.0	10/17/05 15:15 / df
Radium 228	5.4	pCi/L		1.0		RA-05	10/17/05 15:15 / pj
Radium 228 precision (±)	2.0	pCi/L				RA-05	10/17/05 15:15 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	10/25/05 10:30 / ph

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: C05100641-003
Client Sample ID: 719

Report Date: 11/04/05
Collection Date: 10/10/05 11:15
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	3.77	%				Calculation	10/21/05 17:01 / smd
Anions	87.4	meq/L				Calculation	10/21/05 17:01 / smd
Cations	94.2	meq/L				Calculation	10/21/05 17:01 / smd
Solids, Total Dissolved Calculated	5580	mg/L				Calculation	10/21/05 17:01 / smd
TDS Balance (0.80 - 1.20)	0.810	dec. %				Calculation	10/21/05 17:01 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	10/17/05 18:08 / jlr
Surr: 1,2-Dichlorobenzene-d4	101	%REC			80-120	E624	10/17/05 18:08 / jlr
Surr: Dibromofluoromethane	113	%REC			70-130	E624	10/17/05 18:08 / jlr
Surr: p-Bromofluorobenzene	104	%REC			75-125	E624	10/17/05 18:08 / jlr
Surr: Toluene-d8	95.2	%REC			80-120	E624	10/17/05 18:08 / 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:		719	719	719	719	
Collection Date:		10/10/2005	7/18/2005	4/11/2005	1/10/2005	
Receive Date:		10/14/2005	7/22/2005	4/15/2005	1/14/2005	
Report Date:		11/4/2005	8/24/2005	5/11/2005	2/3/2005	
Analyte	Units	C05100641-003	C05070910-003	C05040663-004	C05010491-003	
Bicarbonate as HCO ₃	mg/L	ND(1)	ND(1)	ND(1)	ND(1)	
Calcium	mg/L	494	534	531	513	
Chloride	mg/L	30	31	33	36	
Magnesium	mg/L	709	397	423	428	
Nitrogen, Ammonia as N	mg/L	1.25	1.20	1.50	1.90	
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	
Potassium	mg/L	12.5	9.8	9.8	9.9	
Sodium	mg/L	157	130	136	135	
Sulfate	mg/L	4160	3000	3280	3090	
pH	s.u.	3.82	3.46	3.37	3.38	
Solids, Total Dissolved TDS @ 180 C	mg/L	4540	4640	4580	4850	
Aluminum	mg/L	0.2	17.3	19.3	15.3	
Beryllium	mg/L	0.01	0.02	0.02	0.02	
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	
Cobalt	mg/L	0.26	0.23	0.30	0.35	
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	
Manganese	mg/L	7.12	4.96	5.79	6.28	
Molybdenum	mg/L	1.3	ND(0.1)	ND(0.1)	ND(0.1)	
Nickel	mg/L	0.30	0.33	0.37	0.46	
Uranium	mg/L	0.0994	0.136	0.112	0.0755	
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	
Arsenic-III	mg/L	0.02	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	6.4	5.8	6.1	9.0	
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.7	1.6	1.1	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	4.3	3.4	6.9	3.2	
Radium 226 precision (±)	pCi/L	1.0	0.6	0.9	0.8	
Radium 228	pCi/L	5.4	4.4	7.7	5.1	
Radium 228 precision (±)	pCi/L	2.0	1.0	1.2	1.6	
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)		3.77	3.34	0.988	3.67	
Anions		87.4	63.5	69.2	65.4	
Cations		94.2	67.8	70.6	70.4	
Solids, Total Dissolved Calculated		5580	4120	4440	4210	
TDS Balance (0.80 - 1.20)		0.810	1.13	1.03	1.15	
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	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.**

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