UNITED NUCLEAR CORPORATION

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February 25, 2009

Mr. Keith I. McConnell, Deputy Director
Decommissioning and Uranium Recovery Licensing Directorate
Division of Waste Management and Environmental Protection
Office of Federal and State Materials and Environmental Management Programs
U.S. Nuclear Regulatory Commission
11545 Rockville Pike
#2 White Flint, Mail Stop T7 E-18
Rockville, MD 20852-2738

RE: Second Half – July thru December, 2008
Semi – Annual Ground Water Monitoring Report,
QA/QC Report, Effluent and Environmental Monitoring Report.

Dear Mr. McConnell:

The above reports are submitted, pursuant to our NRC Source Materials License No. SUA-1475, Condition 30C and 12; and Section V.A. 15 of the EPA Administrative Order for the Church Rock Site.

Although not part of the performance monitoring program requirement, Zone 3 wells PB-2, PB-3, PB-4, RW-11, NBL-2 and RW-A October results are also included in this report, along with 14 additional Zone 3 well water level measurements.

Sincerely,

Max Chischilly Jr.
Radiation Safety Officer

dy
Enclosures

Cc: Mark Jancin, Chester Engineers
Roy Blickwedel, GE
Steve Hill, GE
Earle Dixon, NMED
Diana Malone, NNEPA
Yolande Norman, NRC (3 copies)
Mark D. Purcell, USEPA Region 6
Jack E. Whitten, NRC Region IV

QUARTERLY SAMPLING

SEMI-ANNUAL GROUND WATER MONITORING REPORT

JULY AND OCTOBER OF 2008

FIELD DATA SHEET OF

THIRD AND FOURTH QUARTER

CONTROLS

SW ALLUVIUM

ZONE – 1

ZONE - 3

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

July MONTH Third QUARTER, 2008.

SOUTHWEST ALLUVIUM

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)
509-D	7-7-08	76.60	6949.5	6872.90	6,500	6.19	14.6
624	7-8-08	49.90	6898.7	6848.80	5,330	6.33	15.5
627	7-8-08	57.75	6892.4	6834.65	4,950	6.68	17.5
632	7-7-08	43.20	6903.6	6860.40	7,240	6.16	15.1
801	7-7-08	50.10	6904.3	6854.20	6,480	6.18	15.6
802	7-7-08	46.50	6907.1	6860.60	7,830	6.25	15.9
803	7-7-08	60.60	6922.6	6862.00	6,780	6.22	15.2
808	7-7-08	47.95	6910.7	6862.75	6,700	6.26	15.8
GW-1	7-7-08	60.45	6916.5	6856.05	6,830	6.42	16.5
GW-2	7-7-08	54.70	6912.9	6858.20	7,860	6.08	14.5
GW-3	7-8-08	51.85	6910.0	6858.15	5,430	6.28	17.9
EPA-23	7-7-08	53.10	6926.5	6873.40	4,880	6.38	14.9
EPA-25	7-8-08	52.60	6903.4	6850.80	4,480	6.54	16.7
EPA-28	7-8-08	61.95	6917.9	6855.95	5,010	6.53	15.5
(QA/QC) EPA-28 DUP.	7-8-08	62.20	6917.9	6855.70	5,010	6.53	15.9
(QA/QC)							
SBL-1	7-8-08	50.20	6896.3	6846.10	7,530	6.42	15.5
805	7-16-08	52.20	6915.6	6863.40			
807	7-16-08	56.20	6923.4	6867.20			

COMMENTS:

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

October MONTH Fourth QUARTER, 2008.

SOUTHWEST ALLUVIUM

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)
509-D	10-6-08	76.90	6949.5	6872.60	6,530	6.30	12.9
624	10-7-08	50.15	6898.7	6848.55	5,240	6.46	12.8
627	10-7-08	58.23	6892.4	6834.17	4,890	6.98	15.4
632	10-6-08	43.70	6903.6	6859.90	7,290	6.21	14.0
801	10-6-08	50.50	6904.3	6853.80	6,410	6.30	13.7
802	10-6-08	46.90	6907.1	6860.20	7,830	6.32	14.5
803	10-6-08	61.00	6922.6	6861.60	6,440	6.33	14.3
808	10-6-08	48.20	6910.7	6862.50	6,580	6.33	14.0
GW-1	10-6-08	60.90	6916.5	6855.60	6,240	6.42	14.4
GW-2	10-6-08	55.20	6912.9	6857.70	6,770	6.22	14.4
GW-3	10-7-08	52.25	6910.0	6857.75	5,350	6.59	15.5
EPA-23	10-6-08	53.35	6926.5	6873.15	4,640	6.49	13.7
EPA-25	10-7-08	52.98	6903.4	6850.42	4,350	6.82	14.4
EPA-28	10-7-08	62.30	6917.9	6855.60	5,020	6.81	13.8
(QA/QC) EPA-28 DUPLICATE	10-7-08	62.55	6917.9	6855.35	5,010	6.75	13.8
(QA/QC)							
SBL-1	10-7-08	50.21	6896.3	6846.09	7,500	6.67	13.4
805	10-15-08	52.93	6915.6	6862.67			
807	10-15-08	56.98	6923.4	6866.42			

COMMENTS: _____

QUARTERLY WATER LEVELS
3RD QUARTER 2008

SOUTHWEST ALLUVIUM

WELL NO.	DATE	TIME	DEPTH TO WATER	REFERENCE ELEVATION	TOP OF WATER ELEVATION
509-D	7-7-08	0950	76.60'	6949.5	6872.90
632	7-7-08	1620	43.20'	6903.6	6860.40
GW-1	7-7-08	1545	60.45'	6916.5	6856.05
GW-2	7-7-08	1450	54.70'	6912.9	6858.20
EPA-23	7-7-08	1030	53.10'	6926.5	6873.40
EPA-28	7-8-08	1025	61.95'	6917.9	6855.95
624	7-8-08	0850	49.90'	6898.7	6848.80
627	7-8-08	1515	57.75'	6892.4	6834.65
805	7-16-08	1335	52.20'	6915.6	6863.40
807	7-16-08	1340	56.20'	6923.4	6867.20
EPA-25	7-8-08	1425	52.60'	6903.4	6850.80
GW-3	7-8-08	1330	51.85'	6910.0	6858.15
801	7-7-08	1415	50.10'	6904.3	6854.20
802	7-7-08	1225	46.50'	6907.1	6860.60
803	7-7-08	1105	60.60'	6922.6	6862.00
808	7-7-08	1145	47.95'	6910.7	6862.75
SBL-1	7-8-08	0945	50.20'	6896.3	6846.10

QUARTERLY WATER LEVELS
4TH QUARTER 2008

SOUTHWEST ALLUVIUM

WELL NO.	DATE	TIME	DEPTH TO WATER	REFERENCE ELEVATION	TOP OF WATER ELEVATION
509-D	10-6-08	0905	76.90'	6949.5	6872.60
632	10-6-08	1555	43.70'	6903.6	6859.90
GW-1	10-6-08	1510	60.90'	6916.5	6855.60
GW-2	10-6-08	1400	55.20'	6912.9	6857.70
EPA-23	10-6-08	0950	53.35'	6926.5	6873.15
EPA-28	10-7-08	1025	62.30'	6917.9	6855.60
624	10-7-08	0855	50.15'	6898.7	6848.55
627	10-7-08	1505	58.23'	6892.4	6834.17
805	10-15-08	1347	52.93'	6915.6	6862.67
807	10-15-08	1343	56.98'	6923.4	6866.42
EPA-25	10-7-08	1415	52.98'	6903.4	6850.42
GW-3	10-7-08	1320	52.25'	6910.0	6857.75
801	10-6-08	1305	50.50'	6904.3	6853.80
802	10-6-08	1230	46.90'	6907.1	6860.20
803	10-6-08	1035	61.00'	6922.6	6861.60
808	10-6-08	1145	48.20'	6910.7	6862.50
SBL-1	10-7-08	0940	50.21'	6896.3	6846.09

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

July MONTH Third QUARTER, 2008

ZONE 1

WELL NO.	DEPT REC./ SAMPLE DATE	DEPTH TO WATER (FT.)	REF. ELEV.	TOP OF WATER ELEV.	FIELD COND. (us/cm)	FIELD pH (units)	FIELD TEMP. (°c)
515-A	7-9-08	102.75	7008.8	6906.05	7,530	5.44	17.0
604	7-9-08	101.80	7006.0	6904.20	6,680	4.95	15.7
614	7-9-08	102.80	7012.0	6909.20	6,390	7.49	16.0
TWQ-142	7-15-08	201.25	6983.4	6782.15	1,755	7.42	15.2
EPA-2	7-14-08	172.50	7019.5	6847.00	2,670	6.89	14.2
EPA-4	7-14-08	205.50	7069.8	6864.30	4,310	6.77	14.0
EPA-5	7-14-08	123.95	7011.5	6887.55	4,480	6.02	14.2
EPA-7	7-14-08	113.70	7011.7	6898.00	7,250	6.13	13.4
(QA/QC) EPA-2 DUPLICATE	7-14-08	173.10	7019.5	6846.40	2,680	6.84	14.3
(QA/QC) FIELD BLANK	7-9-08				62	8.58	21.9
TWQ-143	7-16-08	207.95	6989.6	6781.65			
EPA-8	7-14-08	215.00	7076.4	6861.40			
505-A	7-16-08	118.35	6963.1	6844.75			
502-A	7-16-08	195.05	7025.3	6830.25			
501-A	7-16-08	211.45	7048.0	6836.55			
504-A	7-16-08	201.25	7001.4	6800.15			
412	7-16-08	185.00	6979.4	6794.40			

COMMENTS: _____

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

October MONTH Fourth QUARTER, 2008

ZONE 1

WELL NO.	DEPT REC./ SAMPLE DATE	DEPTH TO WATER (FT.)	REF. ELEV.	TOP OF WATER ELEV.	FIELD COND. (us/cm)	FIELD pH (units)	FIELD TEMP. (°c)
515-A	10-8-08	102.95	7008.8	6905.85	7,570	5.64	14.9
604	10-13-08	101.92	7006.0	6904.08	6,290	4.98	12.0
614	10-8-08	103.00	7012.0	6909.00	7,440	6.48	13.3
TWQ-142	10-14-08	201.20	6983.4	6782.20	1,764	7.50	13.1
EPA-2	10-13-08	172.60	7019.5	6846.90	2,670	6.83	13.1
EPA-4	10-13-08	205.72	7069.8	6864.08	4,330	6.69	12.8
EPA-5	10-13-08	124.10	7011.5	6887.40	4,490	5.92	12.8
EPA-7	10-13-08	113.82	7011.7	6897.88	7,450	6.08	12.0
(QA/QC) EPA-2 DUPLICATE	10-13-08	173.30	7019.5	6846.20	2,660	6.69	13.4
(QA/QC) FIELD BLANK	10-8-08				65	7.35	15.9
TWQ-143	10-16-08	207.60	6989.6	6782.00			
EPA-8	10-13-08	215.00	7076.4	6861.40			
505-A	10-16-08	118.45	6963.1	6844.65			
502-A	10-16-08	195.19	7025.3	6830.11			
501-A	10-16-08	211.63	7048.0	6836.37			
504-A	10-16-08	201.40	7001.4	6800.00			
412	10-16-08	185.09	6979.4	6794.31			

COMMENTS: _____

QUARTERLY WATER LEVELS
3RD QUARTER 2008

ZONE - 1

WELL NO.	DATE	TIME	DEPTH TO WATER	REFERENCE ELEVATION	TOP OF WATER ELEVATION
515-A	7-9-08	0930	102.75'	7008.8	6906.05
604	7-9-08	1015	101.80'	7006.0	6904.20
614	7-9-08	0840	102.80'	7012.0	6909.20
EPA-2	7-14-08	1125	172.50'	7019.5	6847.00
EPA-4	7-14-08	1030	205.50'	7069.8	6864.30
EPA-5	7-14-08	0945	123.95'	7011.5	6887.55
EPA-7	7-14-08	0850	113.70'	7011.7	6898.00
EPA-8	7-14-08	1105	215.00'	7076.4	6861.40
TWQ-142	7-15-08	0845	201.25'	6983.4	6782.15
TWQ-143	7-16-08	1130	207.95'	6989.6	6781.65
505-A	7-16-08	1350	118.35'	6963.1	6844.75
502-A	7-16-08	1220	195.05'	7025.3	6830.25
501-A	7-16-08	1225	211.45'	7048.0	6836.55
504-A	7-16-08	1145	201.25'	7001.4	6800.15
412	7-16-08	1140	185.00'	6979.4	6794.40

QUARTERLY WATER LEVELS
4TH QUARTER 2008

ZONE - 1

WELL NO.	DATE	TIME	DEPTH TO WATER	REFERENCE ELEVATION	TOP OF WATER ELEVATION
515-A	10-8-08	0930	102.95'	7008.8	6905.85
604	10-13-08	0925	101.92'	7006.0	6904.08
614	10-8-08	0835	103.00'	7012.0	6909.00
EPA-2	10-13-08	1250	172.60'	7019.5	6846.90
EPA-4	10-13-08	1137	205.72'	7069.8	6864.08
EPA-5	10-13-08	1050	124.10'	7011.5	6887.40
EPA-7	10-13-08	1015	113.82'	7011.7	6897.88
EPA-8	10-13-08	1227	215.00'	7076.4	6861.40
TWQ-142	10-14-08	1210	201.20'	6983.4	6782.20
TWQ-143	10-16-08	1210	207.60'	6989.6	6782.00
505-A	10-16-08	1138	118.45'	6963.1	6844.65
502-A	10-16-08	1142	195.19'	7025.3	6830.11
501-A	10-16-08	1147	211.63'	7048.0	6836.37
504-A	10-16-08	1159	201.40'	7001.4	6800.00
412	10-16-08	1205	185.09'	6979.4	6794.31

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

July MONTH Third QUARTER, 2008

ZONE 3

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)
504-B	7-15-08	166.30	7001.8	6835.50	5,070	5.26	18.6
517	7-15-08	103.00	6971.75	6868.75	4,630	4.00	15.4
EPA-14	7-15-08	117.50	6965.8	6848.30	6,060	4.27	15.0
420	7-15-08	146.45	6982.6	6836.15	3,380	6.64	18.0
711	7-14-08	181.05	7042.75	6861.70	4,520	4.58	15.6
613	7-8-08	79.10	6961.3	6882.20	9,900	2.80	15.3
708	7-14-08	152.00	7012.0	6860.00	5,090	3.81	15.4
(QA/QC) FIELD BLANK	7-15-08				54	6.81	29.8
(QA/QC) 711 DUPLICATE	7-14-08	181.90	7042.75	6860.85	4,470	4.77	15.5
NBL-1	7-15-08	180.75	6988.9	6808.15	3,850	6.33	17.6
EPA-9	7-14-08	170.15	7076.6	6906.45			
EPA-13	7-14-08	166.55	7032.9	6866.35	5,600	5.98	14.8
702	7-16-08	81.65	6974.2	6892.55			
710	7-16-08	161.25	7016.5	6855.25			
712	7-16-08	173.40	7022.2	6848.80			
713	7-16-08	165.85	7024.5	6858.65			
714	7-16-08	99.90	6962.9	6863.00			
701	7-16-08	82.60	6961.3	6878.70			
706	7-16-08	113.20	6972.5	6859.30			
707	7-16-08	155.35	7005.2	6849.85			
717	7-15-08	127.55	6972.3	6844.75	5,270	5.27	16.2
719	7-15-08	164.60	7002.0	6837.40	4,340	3.94	15.8
402	7-16-08	123.75	6968.2	6844.45			
446	7-16-08	162.00	6998.3	6836.30			
424	7-16-08	131.95	6973.1	6841.15			

COMMENTS:

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

October MONTH Fourth QUARTER, 2008

ZONE 3

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)
504-B	10-13-08	166.60	7001.8	6835.20	5,220	3.47	10.1
517	10-13-08	102.60	6971.75	6869.15	4,730	3.70	13.7
EPA-14	10-14-08	118.10	6965.8	6847.70	6,040	4.20	11.6
420	10-14-08	146.99	6982.6	6835.61	3,430	6.49	13.0
711	10-13-08	181.10	7042.75	6861.65	4,450	4.28	13.3
613	10-7-08	79.15	6961.3	6882.15	10,110	2.78	13.9
708	10-13-08	152.14	7012.0	6859.86	5,190	3.62	12.8
(QA/QC) 711 DUPLICATE	10-13-08	181.95	7042.75	6860.80	4,400	4.65	12.9
(QA/QC) FIELD BLANK	10-14-08				83	7.74	14.4
NBL-1	10-14-08	182.00	6988.9	6806.90	3,820	6.31	14.3
EPA-9	10-13-08	170.15	7076.6	6906.45			
EPA-13	10-13-08	166.69	7032.9	6866.21	5,610	5.92	11.7
702	10-15-08	82.00	6974.2	6892.20			
710	10-15-08	161.28	7016.5	6855.22			
712	10-15-08	173.50	7022.2	6848.70			
713	10-15-08	166.00	7024.5	6858.50			
714	10-15-08	99.69	6962.9	6863.21			
701	10-15-08	83.10	6961.3	6878.20			
706	10-15-08	113.66	6972.5	6858.84			
707	10-15-08	155.81	7005.2	6849.39			
717	10-14-08	127.81	6972.3	6844.49	5,400	4.89	11.8
719	10-13-08	164.88	7002.0	6837.12	4,610	3.87	11.6
402	10-15-08	124.00	6968.2	6844.20			
446	10-16-08	161.10	6998.3	6837.20			
424	10-16-08	132.40	6973.1	6840.70			

COMMENTS:

- SUPPLEMENTAL -

GROUND WATER FIELD MONITORING

WATER ELEVATIONS, PH, CONDUCTIVITY, AND TEMPERATURE

October MONTH Fourth QUARTER, 2008

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)
PB-2	10-14-08	179.18	6989.71	6810.53	4,080	5.74	15.3
PB-3	10-30-08	179.25	6990.16	6810.91	4,040	5.98	16.5
NBL-2	10-14-08	156.58	6975.61	6819.03	3,560	6.54	12.9
RW-A	10-14-08	168.60	6983.23	6814.63	3,760	6.37	14.5
RW-11	10-14-08	160.14	6983.60	6823.46	3,720	5.74	14.6
PB-4	10-14-08	178.78	6990.04	6811.26	4,000	5.85	14.4
RW-13	10-16-08	172.70	6989.21	6816.51			
RW-15	10-16-08	172.30	6966.09	6793.79			
MW-2	10-16-08	155.70	6996.97	6841.27			
MW-3	10-16-08	162.55	6986.38	6823.83			
MW-4	10-16-08	173.97	6993.00	6819.03			
MW-5	10-16-08	176.77	6990.44	6813.67			
703	10-15-08	89.78	6978.92	6889.14			
709	10-16-08	155.35	7003.54	6848.19			
715	10-16-08	113.65	6964.49	6850.84			
716	10-16-08	119.47	6965.23	6845.76			
718	10-16-08	156.39	6995.59	6839.20			
720	10-16-08	166.50	7002.21	6835.71			
RW-16	10-28-08	138.95	6979.73	6840.78			
RW-17	10-28-08	168.00	7012.74	6844.74			

COMMENTS: Extraction well RW-A, RW-11, RW-16 and PB-2 are currently active. Also, the above wells are an additional sample and water level measurement as requested by our consultant during this 4th-Qr., but is not a quarterly or performance monitoring requirement.

QUARTERLY WATER LEVELS
3RD QUARTER 2008

ZONE - 3

WELL NO.	DATE	TIME	DEPTH TO WATER	REFERENCE ELEVATION	TOP OF WATER ELEVATION
420	7-15-08	1130	146.45'	6982.6	6836.15
711	7-14-08	1445	181.05'	7042.75	6861.70
504-B	7-15-08	1615	166.30'	7001.8	6835.50
EPA-9	7-14-08	1100	170.15'	7076.6	6906.45
EPA-13	7-14-08	1605	166.55'	7032.9	6866.35
EPA-14	7-15-08	1015	117.50'	6965.8	6848.30
702	7-16-08	1315	81.65'	6974.2	6892.55
710	7-16-08	1215	161.25'	7016.5	6855.25
712	7-16-08	1205	173.40'	7022.2	6848.80
713	7-16-08	1200	165.85'	7024.5	6858.65
714	7-16-08	1355	99.90'	6962.9	6863.00
613	7-8-08	1145	79.10'	6961.3	6882.20
701	7-16-08	1345	82.60'	6961.3	6878.70
706	7-16-08	1400	113.20'	6972.5	6859.30
707	7-16-08	1210	155.35'	7005.2	6849.85
717	7-15-08	1050	127.55'	6972.3	6844.75
719	7-15-08	1535	164.60'	7002.0	6837.40
402	7-16-08	1155	123.75'	6968.2	6844.45
424	7-16-08	1150	131.95'	6973.1	6841.15
446	7-16-08	1146	162.00'	6998.3	6836.30
517	7-15-08	0935	103.00'	6971.75	6868.75
708	7-14-08	1405	152.00'	7012.0	6860.00
NBL-1	7-15-08	1330	180.75'	6988.9	6808.15

QUARTERLY WATER LEVELS
4TH QUARTER 2008

ZONE - 3

WELL NO.	DATE	TIME	DEPTH TO WATER	REFERENCE ELEVATION	TOP OF WATER ELEVATION
420	10-14-08	1050	146.99'	6982.6	6835.61
711	10-13-08	1530	181.10'	7042.75	6861.65
504-B	10-13-08	1810	166.60'	7001.8	6835.20
EPA-9	10-13-08	1225	170.15'	7076.6	6906.45
EPA-13	10-13-08	1650	166.69'	7032.9	6866.21
EPA-14	10-14-08	0930	118.10'	6965.8	6847.70
702	10-15-08	1525	82.00'	6974.2	6892.20
710	10-15-08	1454	161.28'	7016.5	6855.22
712	10-15-08	1500	173.50'	7022.2	6848.70
713	10-15-08	1514	166.00'	7024.5	6858.50
714	10-15-08	1435	99.69'	6962.9	6863.21
613	10-7-08	1145	79.15'	6961.3	6882.15
701	10-15-08	1425	83.10'	6961.3	6878.20
706	10-15-08	1442	113.66'	6972.5	6858.84
707	10-15-08	1450	155.81'	7005.2	6849.39
717	10-14-08	1010	127.81'	6972.3	6844.49
719	10-13-08	1735	164.88'	7002.0	6837.12
402	10-15-08	1541	124.00'	6968.2	6844.20
424	10-16-08	0900	132.40'	6973.1	6840.70
446	10-16-08	0911	161.10'	6998.3	6837.20
517	10-13-08	1405	102.60'	6971.75	6869.15
708	10-13-08	1450	152.14'	7012.0	6859.86
NBL-1	10-14-08	1255	182.00'	6988.9	6806.90

- SUPPLEMENTAL -

QUARTERLY WATER LEVELS

4TH QUARTER 2008

ZONE - 3

WELL NO.	DATE	TIME	DEPTH TO WATER	REFERENCE ELEVATION	TOP OF WATER ELEVATION
PB-2	10-14-08	1530	179.18'	6989.71	6810.53
PB-3	10-30-08	1105	179.25'	6990.16	6810.91
NBL-2	10-14-08	1135	156.58'	6975.61	6819.03
RW-A	10-14-08	1545	168.60'	6983.23	6814.63
RW-11	10-14-08	1605	160.14'	6983.60	6823.46
PB-4	10-14-08	1425	178.78'	6990.04	6811.26
RW-13	10-16-08	0944	172.70'	6989.21	6816.51
RW-15	10-16-08	0933	172.30'	6966.09	6793.79
MW-2	10-16-08	1011	155.70'	6996.97	6841.27
MW-3	10-16-08	1005	162.55'	6986.38	6823.83
MW-4	10-16-08	0947	173.97'	6993.00	6819.03
MW-5	10-16-08	0956	176.77'	6990.44	6813.67
703	10-15-08	1417	89.78'	6978.92	6889.14
709	10-16-08	1111	155.35'	7003.54	6848.19
715	10-16-08	1120	113.65'	6964.49	6850.84
716	10-16-08	1128	119.47'	6965.23	6845.76
718	10-16-08	1104	156.39'	6995.59	6839.20
720	10-16-08	1059	166.50'	7002.21	6835.71
RW-16	10-28-08	1335	138.95'	6979.73	6840.78
RW-17	10-28-08	1045	168.00'	7012.74	6844.74

Note: RW-14 is dry and RW-12 has crude oil.

QUARTERLY SAMPLING

SEMI-ANNUAL GROUND WATER MONITORING REPORT

JULY AND OCTOBER OF 2008

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**

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08070627-001
Client Sample ID: 509-D

Revised Date: 11/03/08
Report Date: 09/04/08
Collection Date: 07/07/08 09:50
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	2340	mg/L		1		A2320 B	07/15/08 20:54 / ljl
Calcium	664	mg/L		1		E200.7	07/30/08 18:00 / cp
Chloride	347	mg/L		1		A4500-Cl B	07/24/08 10:39 / sp
Magnesium	729	mg/L		1		E200.7	07/30/08 18:00 / cp
Nitrogen, Ammonia as N	4.70	mg/L		0.05		E350.1	07/23/08 11:45 / eli-b
Nitrogen, Nitrate+Nitrite as N	14.6	mg/L		0.1		E353.2	07/24/08 13:58 / eli-b
Potassium	12	mg/L		1		E200.7	07/30/08 18:00 / cp
Sodium	270	mg/L	D	8		E200.7	07/30/08 18:00 / cp
Sulfate	2080	mg/L	D	60		A4500-SO4 E	07/31/08 11:20 / jal
PHYSICAL PROPERTIES							
pH	7.00	s.u.	H	0.01		A4500-H B	07/15/08 12:16 / sp
Solids, Total Dissolved TDS @ 180 C	5390	mg/L	H	10		A2540 C	07/15/08 14:43 / dd
- The sample was received after the EPA recommended holding time for pH and TDS had expired.							
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	07/28/08 23:10 / cp
Beryllium	ND	mg/L		0.01		E200.8	07/29/08 22:06 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/29/08 22:06 / ts
Cobalt	ND	mg/L		0.01		E200.8	07/29/08 22:06 / ts
Lead	ND	mg/L		0.05		E200.8	07/29/08 22:06 / ts
Manganese	2.70	mg/L		0.01		E200.7	07/28/08 23:10 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/28/08 23:10 / cp
Nickel	ND	mg/L		0.05		E200.8	07/29/08 22:06 / ts
Uranium	0.208	mg/L		0.0003		E200.8	07/29/08 22:06 / ts
Vanadium	ND	mg/L		0.1		E200.8	07/29/08 22:06 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	07/30/08 13:35 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/06/08 13:56 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.3	pCi/L				E900.1	08/02/08 14:51 / crw
Gross Alpha minus Rn & U Precision (±)	0.7	pCi/L				E900.1	08/02/08 14:51 / crw
Gross Alpha minus Rn & U MDC	0.8	pCi/L				E900.1	08/02/08 14:51 / crw
Lead 210	2.7	pCi/L	U			E909.0M	07/25/08 10:35 / dm
Lead 210 precision (±)	4.7	pCi/L				E909.0M	07/25/08 10:35 / dm
Lead 210 MDC	7.8	pCi/L				E909.0M	07/25/08 10:35 / dm
Radium 226	-0.08	pCi/L	U			E903.0	08/12/08 14:55 / trs
Radium 226 precision (±)	0.1	pCi/L				E903.0	08/12/08 14:55 / trs
Radium 226 MDC	0.20	pCi/L				E903.0	08/12/08 14:55 / trs
Radium 228	1.6	pCi/L				RA-05	08/07/08 10:37 / plj
Radium 228 precision (±)	0.80	pCi/L				RA-05	08/07/08 10:37 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	08/07/08 10:37 / plj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08070627-001
Client Sample ID: 509-D

Revised Date: 11/03/08
Report Date: 09/04/08
Collection Date: 07/07/08 09:50
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.5	pCi/L		0.2		E907.0	08/08/08 23:57 / dmf
Thorium 230 precision (±)	0.6	pCi/L				E907.0	08/08/08 23:57 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	6.60	%				Calculation	08/01/08 12:33 / lab
Anions	92.4	meq/L				Calculation	08/01/08 12:33 / lab
Cations	105	meq/L				Calculation	08/01/08 12:33 / lab
Solids, Total Dissolved Calculated	5320	mg/L				Calculation	08/01/08 12:33 / lab
TDS Balance (0.80 - 1.20)	1.01					Calculation	08/01/08 12:33 / lab
- The Anion / Cation balance was confirmed by re-analysis.							
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/15/08 14:14 / jlr
Bromoform	ND	ug/L		0.50		E624	07/15/08 14:14 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/15/08 14:14 / jlr
Chloroform	ND	ug/L		0.50		E624	07/15/08 14:14 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	07/15/08 14:14 / jlr
Surr: 1,2-Dichlorobenzene-d4	107	%REC		80-120		E624	07/15/08 14:14 / jlr
Surr: Dibromofluoromethane	106	%REC		80-120		E624	07/15/08 14:14 / jlr
Surr: p-Bromofluorobenzene	104	%REC		80-120		E624	07/15/08 14:14 / jlr
Surr: Toluene-d8	98.0	%REC		80-120		E624	07/15/08 14:14 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-001
Client Sample ID: 509-D

Report Date: 11/20/08
Collection Date: 10/06/08 09:05
Date Received: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	2340	mg/L		1		A2320 B	10/13/08 14:11 / ljl
Calcium	918	mg/L		1		E200.7	10/28/08 19:26 / cp
Chloride	343	mg/L		1		A4500-Cl B	10/14/08 08:23 / sp
Magnesium	365	mg/L		1		E200.7	10/28/08 19:26 / cp
Nitrogen, Ammonia as N	5.4	mg/L		0.1		E350.1	10/16/08 15:33 / eli-b
Nitrogen, Nitrate+Nitrite as N	14.4	mg/L		0.1		E353.2	10/15/08 12:08 / eli-b
Potassium	12	mg/L		1		E200.7	10/28/08 19:26 / cp
Sodium	346	mg/L	D	8		E200.7	10/28/08 19:26 / cp
Sulfate	1960	mg/L	D	60		A4500-SO4 E	10/16/08 13:33 / jal
PHYSICAL PROPERTIES							
pH	6.60	s.u.		0.01		A4500-H B	10/13/08 11:22 / dd
Solids, Total Dissolved TDS @ 180 C	5650	mg/L		10		A2540 C	10/13/08 09:12 / jah
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	10/24/08 05:58 / sml
Beryllium	ND	mg/L		0.01		E200.8	10/24/08 05:58 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/22/08 20:38 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/22/08 20:38 / sml
Lead	ND	mg/L		0.05		E200.8	10/22/08 20:38 / sml
Manganese	2.36	mg/L		0.01		E200.8	10/22/08 20:38 / sml
Molybdenum	ND	mg/L		0.1		E200.8	10/22/08 20:38 / sml
Nickel	ND	mg/L		0.05		E200.8	10/22/08 20:38 / sml
Uranium	0.199	mg/L		0.0003		E200.8	10/22/08 20:38 / sml
Vanadium	ND	mg/L		0.1		E200.8	10/22/08 20:38 / sml
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/21/08 17:35 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/17/08 08:15 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.7	pCi/L				E900.1	10/30/08 11:23 / cgr
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	10/30/08 11:23 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 11:23 / cgr
Lead 210	-2	pCi/L	U			E909.0M	10/27/08 10:08 / dm
Lead 210 precision (±)	2.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Lead 210 MDC	4.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Radium 226	0.14	pCi/L	U			E903.0	11/10/08 11:33 / trs
Radium 226 precision (±)	0.15	pCi/L				E903.0	11/10/08 11:33 / trs
Radium 226 MDC	0.23	pCi/L				E903.0	11/10/08 11:33 / trs
Radium 228	0.31	pCi/L	U			RA-05	11/03/08 15:38 / plj
Radium 228 precision (±)	0.78	pCi/L				RA-05	11/03/08 15:38 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/03/08 15:38 / plj

Report Definitions:
RL - Analyte reporting limit.
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MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-001
Client Sample ID: 509-D

Report Date: 11/20/08
Collection Date: 10/06/08 09:05
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.2	pCi/L		0.2		E907.0	10/29/08 07:54 / dmf
Thorium 230 precision (±)	0.7	pCi/L				E907.0	10/29/08 07:54 / dmf
DATA QUALITY							
A/C Balance (± 5)	0.957	%				Calculation	11/01/08 10:32 / sdw
Anions	89.9	meq/L				Calculation	11/01/08 10:32 / sdw
Cations	91.6	meq/L				Calculation	11/01/08 10:32 / sdw
Solids, Total Dissolved Calculated	5350	mg/L				Calculation	11/01/08 10:32 / sdw
TDS Balance (0.80 - 1.20)	1.06					Calculation	11/01/08 10:32 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/14/08 19:08 / wen
Bromoform	ND	ug/L		0.50		E624	10/14/08 19:08 / wen
Chlorodibromomethane	ND	ug/L		0.50		E624	10/14/08 19:08 / wen
Chloroform	ND	ug/L		0.50		E624	10/14/08 19:08 / wen
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/14/08 19:08 / wen
Surr: 1,2-Dichlorobenzene-d4	105	%REC		80-120		E624	10/14/08 19:08 / wen
Surr: Dibromofluoromethane	114	%REC		80-120		E624	10/14/08 19:08 / wen
Surr: p-Bromofluorobenzene	106	%REC		80-120		E624	10/14/08 19:08 / wen
Surr: Toluene-d8	98.0	%REC		80-120		E624	10/14/08 19:08 / wen

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Alluvium Monitor Wells					
Well ID:		509-D	509-D	509-D	509-D
Collection Date:		10/6/2008	7/7/2008	4/7/2008	1/14/2008
Receive Date:		10/10/2008	7/14/2008	4/11/2008	1/16/2008
Report Date:		11/20/2008	9/4/2008	6/10/2008	4/1/2008
Analyte	Units	C08100471-001	C08070627-001	C08040580-001	C08010860-001
Bicarbonate as HCO3	mg/L	2340	2340	2150	2280
Calcium	mg/L	918	664	876	886
Chloride	mg/L	343	347	361	374
Magnesium	mg/L	365	729	409	337
Nitrogen, Ammonia as N	mg/L	5.4	4.70	1.2	0.12
Nitrogen, Nitrate+Nitrite as N	mg/L	14.4	14.6	21.1	13.3
Potassium	mg/L	12	12	15.0	13.0
Sodium	mg/L	346	270	370	334
Sulfate	mg/L	1960	2080	1970	1660
pH	s.u.	6.60	7.00	6.70	6.35
Solids, Total Dissolved TDS @ 180 C	mg/L	5650	5390	5210	5030
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	2.36	2.70	2.72	3.60
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	0.199	0.208	0.218	0.232
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.003)	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	1.7	1.3	1.6	1.6
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.5	0.7	0.4	0.7
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.8		
Lead 210	pCi/L	-2	2.7	0.0	ND(1.0)
Lead 210 precision (±)	pCi/L	2.9	4.7	2	
Lead 210 MDC	pCi/L	4.9	7.8		
Radium 226	pCi/L	0.14	-0.08	0.3	ND(0.2)
Radium 226 precision (±)	pCi/L	0.15	0.1	0.2	
Radium 226 MDC	pCi/L	0.23	0.20	0.2	
Radium 228	pCi/L	0.31	1.6	0.5	ND(1.0)
Radium 228 precision (±)	pCi/L	0.78	0.80	0.7	
Radium 228 MDC	pCi/L	1.3	1.2	1.1	
Thorium 230	pCi/L	0.2	0.5	-0.07	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.7	0.6	0.6	
A/C Balance (± 5)	%	0.957	6.60	3.42	2.03
Anions	meq/L	89.9	92.4	87.9	83.5
Cations	meq/L	91.6	105	94.1	87.0
Solids, Total Dissolved Calculated	mg/L	5350	5320	5170	4790
TDS Balance (0.80 - 1.20)		1.06	1.01	1.01	1.05
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

**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: C08070627-010
Client Sample ID: 624

Report Date: 09/04/08
Collection Date: 07/08/08 08:50
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	1410	mg/L		1		A2320 B	07/16/08 11:49 / ijl
Calcium	657	mg/L		1		E200.7	08/29/08 15:41 / cp
Chloride	184	mg/L		1		A4500-Cl B	07/24/08 11:41 / sp
Magnesium	396	mg/L		1		E200.7	08/29/08 15:41 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	07/23/08 11:57 / eli-b
Nitrogen, Nitrate+Nitrite as N	74.9	mg/L	D	0.2		E353.2	07/25/08 09:31 / eli-b
Potassium	5	mg/L		1		E200.7	08/29/08 15:41 / cp
Sodium	233	mg/L	D	8		E200.7	08/29/08 15:41 / cp
Sulfate	2170	mg/L	D	60		A4500-SO4 E	07/17/08 14:57 / sp
PHYSICAL PROPERTIES							
pH	6.82	s.u.		0.01		A4500-H B	07/15/08 12:36 / sp
Solids, Total Dissolved TDS @ 180 C	4700	mg/L		10		A2540 C	07/15/08 14:45 / dd
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	07/29/08 00:03 / cp
Beryllium	ND	mg/L		0.01		E200.8	07/29/08 23:34 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/29/08 23:34 / ts
Cobalt	ND	mg/L		0.01		E200.8	07/29/08 23:34 / ts
Lead	ND	mg/L		0.05		E200.8	07/29/08 23:34 / ts
Manganese	0.04	mg/L		0.01		E200.7	07/29/08 00:03 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/29/08 00:03 / cp
Nickel	ND	mg/L		0.05		E200.8	07/29/08 23:34 / ts
Uranium	0.0286	mg/L		0.0003		E200.8	07/29/08 23:34 / ts
Vanadium	ND	mg/L		0.1		E200.8	07/29/08 23:34 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	07/31/08 15:25 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/06/08 14:24 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	0.4	pCi/L	U			E900.1	08/02/08 14:55 / crw
Gross Alpha minus Rn & U Precision (±)	0.6	pCi/L				E900.1	08/02/08 14:55 / crw
Gross Alpha minus Rn & U MDC	0.8	pCi/L				E900.1	08/02/08 14:55 / crw
Lead 210	1.1	pCi/L	U			E909.0M	07/25/08 10:35 / dm
Lead 210 precision (±)	4.6	pCi/L				E909.0M	07/25/08 10:35 / dm
Lead 210 MDC	7.8	pCi/L				E909.0M	07/25/08 10:35 / dm
Radium 226	0.36	pCi/L				E903.0	08/12/08 12:59 / trs
Radium 226 precision (±)	0.16	pCi/L				E903.0	08/12/08 12:59 / trs
Radium 226 MDC	0.19	pCi/L				E903.0	08/12/08 12:59 / trs
Radium 228	0.23	pCi/L	U			RA-05	08/07/08 13:01 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08070627-010
Client Sample ID: 624

Report Date: 09/04/08
Collection Date: 07/08/08 08:50
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision (±)	0.75	pCi/L				RA-05	08/07/08 13:01 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	08/07/08 13:01 / plj
Thorium 230	-0.1	pCi/L	U	0.2		E907.0	08/10/08 12:36 / dmf
Thorium 230 precision (±)	0.7	pCi/L				E907.0	08/10/08 12:36 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-2.04	%				Calculation	09/02/08 14:38 / sdw
Anions	78.8	meq/L				Calculation	09/02/08 14:38 / sdw
Cations	75.6	meq/L				Calculation	09/02/08 14:38 / sdw
Solids, Total Dissolved Calculated	4680	mg/L				Calculation	09/02/08 14:38 / sdw
TDS Balance (0.80 - 1.20)	1.00					Calculation	09/02/08 14:38 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/15/08 23:55 / jlr
Bromoform	ND	ug/L		0.50		E624	07/15/08 23:55 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/15/08 23:55 / jlr
Chloroform	ND	ug/L		0.50		E624	07/15/08 23:55 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	07/15/08 23:55 / jlr
Surr: 1,2-Dichlorobenzene-d4	110	%REC		80-120		E624	07/15/08 23:55 / jlr
Surr: Dibromofluoromethane	127	%REC	S	80-120		E624	07/15/08 23:55 / jlr
Surr: p-Bromofluorobenzene	105	%REC		80-120		E624	07/15/08 23:55 / jlr
Surr: Toluene-d8	98.0	%REC		80-120		E624	07/15/08 23:55 / jlr

Report Definitions:
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MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-010
Client Sample ID: 624

Report Date: 11/20/08
Collection Date: 10/07/08 08:55
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	1390	mg/L		1		A2320 B	10/13/08 15:41 / ljl
Calcium	662	mg/L		1		E200.7	11/04/08 13:48 / cp
Chloride	178	mg/L		1		A4500-Cl B	11/04/08 12:19 / jal
Magnesium	403	mg/L		1		E200.7	11/04/08 13:48 / cp
Nitrogen, Ammonia as N	ND	mg/L	D	0.1		E350.1	10/16/08 15:47 / eli-b
Nitrogen, Nitrate+Nitrite as N	94.9	mg/L	D	0.2		E353.2	10/15/08 13:55 / eli-b
Potassium	6	mg/L		1		E200.7	11/04/08 13:48 / cp
Sodium	248	mg/L	D	8		E200.7	11/04/08 13:48 / cp
Sulfate	2380	mg/L	D	60		A4500-SO4 E	10/16/08 14:18 / jal
PHYSICAL PROPERTIES							
pH	6.88	s.u.		0.01		A4500-H B	10/13/08 12:01 / dd
Solids, Total Dissolved TDS @ 180 C	4920	mg/L		10		A2540 C	10/13/08 08:53 / jah
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	10/24/08 07:32 / sml
Beryllium	ND	mg/L		0.01		E200.8	10/24/08 07:32 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/22/08 22:13 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/22/08 22:13 / sml
Lead	ND	mg/L		0.05		E200.8	10/22/08 22:13 / sml
Manganese	0.11	mg/L		0.01		E200.8	10/22/08 22:13 / sml
Molybdenum	ND	mg/L		0.1		E200.8	10/22/08 22:13 / sml
Nickel	ND	mg/L		0.05		E200.8	10/22/08 22:13 / sml
Uranium	0.0306	mg/L		0.0003		E200.8	10/22/08 22:13 / sml
Vanadium	ND	mg/L		0.1		E200.8	10/22/08 22:13 / sml
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/21/08 19:22 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/17/08 08:47 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	0.9	pCi/L				E900.1	10/30/08 11:23 / cgr
Gross Alpha minus Rn & U Precision (±)	0.4	pCi/L				E900.1	10/30/08 11:23 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 11:23 / cgr
Lead 210	0.3	pCi/L	U			E909.0M	10/27/08 10:08 / dm
Lead 210 precision (±)	2.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Lead 210 MDC	4.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Radium 226	-0.06	pCi/L	U			E903.0	11/10/08 11:34 / trs
Radium 226 precision (±)	0.1	pCi/L				E903.0	11/10/08 11:34 / trs
Radium 226 MDC	0.19	pCi/L				E903.0	11/10/08 11:34 / trs
Radium 228	-0.2	pCi/L	U			RA-05	11/04/08 10:04 / plj
Radium 228 precision (±)	0.78	pCi/L				RA-05	11/04/08 10:04 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 10:04 / plj

Report Definitions:
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QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-010
Client Sample ID: 624

Report Date: 11/20/08
Collection Date: 10/07/08 08:55
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.0	pCi/L	U	0.2		E907.0	10/29/08 12:06 / dmf
Thorium 230 precision (±)	0.6	pCi/L				E907.0	10/29/08 12:06 / dmf
DATA QUALITY							
A/C Balance (± 5)	-4.40	%				Calculation	11/20/08 09:07 / sdw
Anions	84.2	meq/L				Calculation	11/20/08 09:07 / sdw
Cations	77.1	meq/L				Calculation	11/20/08 09:07 / sdw
Solids, Total Dissolved Calculated	5010	mg/L				Calculation	11/20/08 09:07 / sdw
TDS Balance (0.80 - 1.20)	0.980					Calculation	11/20/08 09:07 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/15/08 04:22 / wen
Bromoform	ND	ug/L		0.50		E624	10/15/08 04:22 / wen
Chlorodibromomethane	ND	ug/L		0.50		E624	10/15/08 04:22 / wen
Chloroform	ND	ug/L		0.50		E624	10/15/08 04:22 / wen
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/15/08 04:22 / wen
Surr: 1,2-Dichlorobenzene-d4	103	%REC		80-120		E624	10/15/08 04:22 / wen
Surr: Dibromofluoromethane	98.0	%REC		80-120		E624	10/15/08 04:22 / wen
Surr: p-Bromofluorobenzene	104	%REC		80-120		E624	10/15/08 04:22 / wen
Surr: Toluene-d8	99.0	%REC		80-120		E624	10/15/08 04:22 / wen

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Alluvium Monitor Wells					
Well ID:		624	624	624	624
Collection Date:		10/7/2008	7/8/2008	4/8/2008	1/15/2008
Receive Date:		10/10/2008	7/14/2008	4/11/2008	1/18/2008
Report Date:		11/20/2008	9/4/2008	6/10/2008	4/1/2008
Analyte	Units	C08100471-010	C08070627-010	C08040580-010	C08010860-009
Bicarbonate as HCO3	mg/L	1390	1410	1320	1390
Calcium	mg/L	662	657	708	650
Chloride	mg/L	178	184	174	205
Magnesium	mg/L	403	396	442	396
Nitrogen, Ammonia as N	mg/L	ND(0.1)	ND(0.05)	ND(0.05)	ND(0.05)
Nitrogen, Nitrate+Nitrite as N	mg/L	94.9	74.9	108	68
Potassium	mg/L	6	5	8.2	7.1
Sodium	mg/L	248	233	280	246
Sulfate	mg/L	2380	2170	2240	2000
pH	s.u.	6.88	6.82	6.90	6.69
Solids, Total Dissolved TDS @ 180 C	mg/L	4920	4700	4830	5110
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	0.11	0.04	0.10	0.09
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0306	0.0286	0.0325	0.0307
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.003)	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	0.9	0.4	0.9	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.4	0.6	0.4	
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.8		
Lead 210	pCi/L	0.3	1.1	0.0	ND(1.0)
Lead 210 precision (±)	pCi/L	2.9	4.6	2	
Lead 210 MDC	pCi/L	4.9	7.8		
Radium 226	pCi/L	-0.06	0.36	0.2	ND(0.2)
Radium 226 precision (±)	pCi/L	0.1	0.16	0.1	
Radium 226 MDC	pCi/L	0.19	0.19	0.2	
Radium 228	pCi/L	-0.2	0.23	-0.04	ND(1.0)
Radium 228 precision (±)	pCi/L	0.78	0.75	0.8	
Radium 228 MDC	pCi/L	1.3	1.3	1.3	
Thorium 230	pCi/L	0.0	-0.1	0.5	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.6	0.7	0.7	
A/C Balance (± 5)	%	-4.40	-2.04	1.92	0.524
Anions	meq/L	84.2	78.8	80.9	75.1
Cations	meq/L	77.1	75.6	84.1	75.9
Solids, Total Dissolved Calculated	mg/L	5010	4680	5000	4490
TDS Balance (0.80 - 1.20)		0.980	1.00	0.970	1.14
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

**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: C08070627-016
Client Sample ID: 627

Revised Date: 11/03/08
Report Date: 09/04/08
Collection Date: 07/08/08 15:15
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	578	mg/L		1		A2320 B	07/16/08 12:56 / ljl
Calcium	527	mg/L		1		E200.7	07/30/08 18:04 / cp
Chloride	50	mg/L		1		A4500-Cl B	07/24/08 16:10 / sp
Magnesium	250	mg/L		1		E200.7	07/30/08 18:04 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	07/23/08 12:06 / eli-b
Nitrogen, Nitrate+Nitrite as N	178	mg/L	D	0.2		E353.2	07/25/08 13:00 / eli-b
Potassium	5	mg/L		1		E200.7	07/30/08 18:04 / cp
Sodium	458	mg/L	D	8		E200.7	07/30/08 18:04 / cp
Sulfate	2460	mg/L	D	30		A4500-SO4 E	07/17/08 15:44 / sp
PHYSICAL PROPERTIES							
pH	7.23	s.u.		0.01		A4500-H B	07/15/08 12:50 / sp
Solids, Total Dissolved TDS @ 180 C	4610	mg/L		10		A2540 C	07/15/08 14:47 / dd
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	07/29/08 00:39 / cp
Beryllium	ND	mg/L		0.01		E200.8	07/30/08 00:15 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/30/08 00:15 / ts
Cobalt	ND	mg/L		0.01		E200.8	07/30/08 00:15 / ts
Lead	ND	mg/L		0.05		E200.8	07/30/08 00:15 / ts
Manganese	ND	mg/L		0.01		E200.7	07/29/08 00:39 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/29/08 00:39 / cp
Nickel	ND	mg/L		0.05		E200.8	07/30/08 00:15 / ts
Uranium	0.0214	mg/L		0.0003		E200.8	07/30/08 00:15 / ts
Vanadium	ND	mg/L		0.1		E200.8	07/30/08 00:15 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	07/31/08 16:44 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/06/08 14:46 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	0.6	pCi/L	U			E900.1	08/02/08 14:55 / crw
Gross Alpha minus Rn & U Precision (±)	0.6	pCi/L				E900.1	08/02/08 14:55 / crw
Gross Alpha minus Rn & U MDC	0.8	pCi/L				E900.1	08/02/08 14:55 / crw
Lead 210	-0.2	pCi/L	U			E909.0M	07/25/08 10:35 / dm
Lead 210 precision (±)	4.6	pCi/L				E909.0M	07/25/08 10:35 / dm
Lead 210 MDC	7.8	pCi/L				E909.0M	07/25/08 10:35 / dm
Radium 226	0.35	pCi/L				E903.0	08/12/08 12:59 / trs
Radium 226 precision (±)	0.14	pCi/L				E903.0	08/12/08 12:59 / trs
Radium 226 MDC	0.15	pCi/L				E903.0	08/12/08 12:59 / trs
Radium 228	1.2	pCi/L	U			RA-05	08/07/08 13:01 / plj
Radium 228 precision (±)	0.80	pCi/L				RA-05	08/07/08 13:01 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	08/07/08 13:01 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08070627-016
Client Sample ID: 627

Revised Date: 11/03/08
Report Date: 09/04/08
Collection Date: 07/08/08 15:15
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.3	pCi/L		0.2		E907.0	08/10/08 12:36 / dmf
Thorium 230 precision (±)	0.4	pCi/L				E907.0	08/10/08 12:36 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-5.54	%				Calculation	08/01/08 12:34 / lab
Anions	74.8	meq/L				Calculation	08/01/08 12:34 / lab
Cations	66.9	meq/L				Calculation	08/01/08 12:34 / lab
Solids, Total Dissolved Calculated	4830	mg/L				Calculation	08/01/08 12:34 / lab
TDS Balance (0.80 - 1.20)	0.950					Calculation	08/01/08 12:34 / lab
- The Anion / Cation balance was confirmed by re-analysis.							
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/15/08 18:45 / jlr
Bromoform	ND	ug/L		0.50		E624	07/15/08 18:45 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/15/08 18:45 / jlr
Chloroform	ND	ug/L		0.50		E624	07/15/08 18:45 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	07/15/08 18:45 / jlr
Surr: 1,2-Dichlorobenzene-d4	111	%REC		80-120		E624	07/15/08 18:45 / jlr
Surr: Dibromofluoromethane	132	%REC	S	80-120		E624	07/15/08 18:45 / jlr
Surr: p-Bromofluorobenzene	109	%REC		80-120		E624	07/15/08 18:45 / jlr
Surr: Toluene-d8	96.0	%REC		80-120		E624	07/15/08 18:45 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-016
Client Sample ID: 627

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

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	560	mg/L		1		A2320 B	10/13/08 17:00 / ljl
Calcium	530	mg/L		1		E200.7	11/04/08 14:20 / cp
Chloride	36	mg/L		1		A4500-Cl B	11/04/08 12:23 / jal
Magnesium	253	mg/L		1		E200.7	11/04/08 14:20 / cp
Nitrogen, Ammonia as N	ND	mg/L	D	0.1		E350.1	10/16/08 15:54 / eli-b
Nitrogen, Nitrate+Nitrite as N	167	mg/L	D	0.2		E353.2	10/15/08 12:25 / eli-b
Potassium	5	mg/L		1		E200.7	11/04/08 14:20 / cp
Sodium	477	mg/L	D	8		E200.7	11/04/08 14:20 / cp
Sulfate	2420	mg/L	DH	60		A4500-SO4 E	11/06/08 15:40 / jal
- H-Original analysis was done within hold time. Data is from recheck analysis.							
PHYSICAL PROPERTIES							
pH	7.09	s.u.		0.01		A4500-H B	10/13/08 13:39 / dd
Solids, Total Dissolved TDS @ 180 C	4510	mg/L		10		A2540 C	10/14/08 08:31 / jah
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	10/24/08 08:19 / sml
Beryllium	ND	mg/L		0.01		E200.8	10/24/08 08:19 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/22/08 22:34 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/22/08 22:34 / sml
Lead	ND	mg/L		0.05		E200.8	10/22/08 22:34 / sml
Manganese	0.04	mg/L		0.01		E200.8	10/22/08 22:34 / sml
Molybdenum	ND	mg/L		0.1		E200.8	10/22/08 22:34 / sml
Nickel	ND	mg/L		0.05		E200.8	10/22/08 22:34 / sml
Uranium	0.0201	mg/L		0.0003		E200.8	10/22/08 22:34 / sml
Vanadium	ND	mg/L		0.1		E200.8	10/22/08 22:34 / sml
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/21/08 20:20 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/17/08 09:15 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.0	pCi/L				E900.1	10/30/08 15:08 / cgr
Gross Alpha minus Rn & U Precision (±)	0.4	pCi/L				E900.1	10/30/08 15:08 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 15:08 / cgr
Lead 210	0.0	pCi/L	U			E909.0M	10/27/08 10:08 / dm
Lead 210 precision (±)	2.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Lead 210 MDC	4.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Radium 226	0.05	pCi/L	U			E903.0	11/10/08 11:34 / trs
Radium 226 precision (±)	0.11	pCi/L				E903.0	11/10/08 11:34 / trs
Radium 226 MDC	0.17	pCi/L				E903.0	11/10/08 11:34 / trs
Radium 228	0.06	pCi/L	U			RA-05	11/04/08 10:04 / plj
Radium 228 precision (±)	0.79	pCi/L				RA-05	11/04/08 10:04 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 10:04 / plj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-016
Client Sample ID: 627

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

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	-0.1	pCi/L	U	0.2		E907.0	10/29/08 12:06 / dmf
Thorium 230 precision (±)	0.4	pCi/L				E907.0	10/29/08 12:06 / dmf
DATA QUALITY							
A/C Balance (± 5)	-3.10	%				Calculation	11/07/08 16:43 / sdw
Anions	72.5	meq/L				Calculation	11/07/08 16:43 / sdw
Cations	68.2	meq/L				Calculation	11/07/08 16:43 / sdw
Solids, Total Dissolved Calculated	4860	mg/L				Calculation	11/07/08 16:43 / sdw
TDS Balance (0.80 - 1.20)	0.930					Calculation	11/07/08 16:43 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/15/08 08:24 / wen
Bromoform	ND	ug/L		0.50		E624	10/15/08 08:24 / wen
Chlorodibromomethane	ND	ug/L		0.50		E624	10/15/08 08:24 / wen
Chloroform	ND	ug/L		0.50		E624	10/15/08 08:24 / wen
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/15/08 08:24 / wen
Surr: 1,2-Dichlorobenzene-d4	107	%REC		80-120		E624	10/15/08 08:24 / wen
Surr: Dibromofluoromethane	119	%REC		80-120		E624	10/15/08 08:24 / wen
Surr: p-Bromofluorobenzene	104	%REC		80-120		E624	10/15/08 08:24 / wen
Surr: Toluene-d8	96.0	%REC		80-120		E624	10/15/08 08:24 / wen

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Alluvium Monitor Wells					
Well ID:		627	627	627	627
Collection Date:		10/7/2008	7/8/2008	4/8/2008	1/15/2008
Receive Date:		10/10/2008	7/14/2008	4/11/2008	1/18/2008
Report Date:		11/20/2008	9/4/2008	6/10/2008	4/1/2008
Analyte	Units	C08100471-016	C08070627-016	C08040580-016	C08010860-016
Bicarbonate as HCO3	mg/L	560	578	546	568
Calcium	mg/L	530	527	565	532
Chloride	mg/L	36	50	36	64
Magnesium	mg/L	253	250	282	256
Nitrogen, Ammonia as N	mg/L	ND(0.1)	ND(0.05)	ND(0.1)	ND(0.05)
Nitrogen, Nitrate+Nitrite as N	mg/L	167	178	159	109
Potassium	mg/L	5	5	6.4	6.7
Sodium	mg/L	477	458	528	513
Sulfate	mg/L	2420	2460	2530	2340
pH	s.u.	7.09	7.23	7.32	7.03
Solids, Total Dissolved TDS @ 180 C	mg/L	4510	4610	4600	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	0.04	ND(0.01)	ND(0.01)	ND(0.01)
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0201	0.0214	0.0227	0.0224
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.003)	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	0.6	1.0	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.4	0.6	0.4	
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.8		
Lead 210	pCi/L	0.0	-0.2	0.0	ND(1.0)
Lead 210 precision (±)	pCi/L	2.9	4.6	1	
Lead 210 MDC	pCi/L	4.9	7.8		
Radium 226	pCi/L	0.05	0.35	0.003	ND(0.2)
Radium 226 precision (±)	pCi/L	0.11	0.14	0.1	
Radium 226 MDC	pCi/L	0.17	0.15	0.2	
Radium 228	pCi/L	0.06	1.2	-0.7	ND(1.0)
Radium 228 precision (±)	pCi/L	0.79	0.80	0.8	
Radium 228 MDC	pCi/L	1.3	1.3	1.3	
Thorium 230	pCi/L	-0.1	0.3	0.2	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.4	0.4	0.4	
A/C Balance (± 5)	%	-3.10	-5.54	0.402	1.75
Anions	meq/L	72.5	74.8	73.9	67.7
Cations	meq/L	68.2	66.9	74.5	70.1
Solids, Total Dissolved Calculated	mg/L	4860	4830	4930	4480
TDS Balance (0.80 - 1.20)		0.930	0.950	0.930	1.06
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

**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: C08070627-009
Client Sample ID: 632

Revised Date: 11/03/08
Report Date: 09/04/08
Collection Date: 07/07/08 16:20
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	1910	mg/L		1		A2320 B	07/16/08 11:40 / ljl
Calcium	618	mg/L		1		E200.7	08/29/08 15:37 / cp
Chloride	241	mg/L		1		A4500-Cl B	07/24/08 11:39 / sp
Magnesium	802	mg/L		1		E200.7	08/29/08 15:37 / cp
Nitrogen, Ammonia as N	0.56	mg/L		0.05		E350.1	07/23/08 11:54 / eli-b
Nitrogen, Nitrate+Nitrite as N	122	mg/L	D	0.2		E353.2	07/25/08 09:28 / eli-b
Potassium	9	mg/L		1		E200.7	08/29/08 15:37 / cp
Sodium	377	mg/L	D	8		E200.7	08/29/08 15:37 / cp
Sulfate	3500	mg/L	D	60		A4500-SO4 E	07/17/08 14:53 / sp
PHYSICAL PROPERTIES							
pH	6.74	s.u.	H	0.01		A4500-H B	07/15/08 12:35 / sp
Solids, Total Dissolved TDS @ 180 C	7090	mg/L	H	10		A2540 C	07/15/08 14:45 / dd
- The sample was received after the EPA recommended holding time for pH and TDS had expired.							
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	07/28/08 23:59 / cp
Beryllium	ND	mg/L		0.01		E200.8	07/29/08 23:00 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/29/08 23:00 / ts
Cobalt	ND	mg/L		0.01		E200.8	07/29/08 23:00 / ts
Lead	ND	mg/L		0.05		E200.8	07/29/08 23:00 / ts
Manganese	2.63	mg/L		0.01		E200.7	07/28/08 23:59 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/28/08 23:59 / cp
Nickel	ND	mg/L		0.05		E200.8	07/29/08 23:00 / ts
Uranium	0.0797	mg/L		0.0003		E200.8	07/29/08 23:00 / ts
Vanadium	ND	mg/L		0.1		E200.8	07/29/08 23:00 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	07/31/08 15:17 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/06/08 14:22 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.5	pCi/L				E900.1	08/02/08 14:55 / crw
Gross Alpha minus Rn & U Precision (±)	0.7	pCi/L				E900.1	08/02/08 14:55 / crw
Gross Alpha minus Rn & U MDC	0.8	pCi/L				E900.1	08/02/08 14:55 / crw
Lead 210	0.5	pCi/L	U			E909.0M	07/25/08 10:35 / dm
Lead 210 precision (±)	4.6	pCi/L				E909.0M	07/25/08 10:35 / dm
Lead 210 MDC	7.8	pCi/L				E909.0M	07/25/08 10:35 / dm
Radium 226	0.74	pCi/L				E903.0	08/12/08 14:55 / trs
Radium 226 precision (±)	0.20	pCi/L				E903.0	08/12/08 14:55 / trs
Radium 226 MDC	0.19	pCi/L				E903.0	08/12/08 14:55 / trs
Radium 228	2.6	pCi/L				RA-05	08/07/08 10:37 / plj
Radium 228 precision (±)	0.84	pCi/L				RA-05	08/07/08 10:37 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	08/07/08 10:37 / plj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08070627-009
Client Sample ID: 632

Revised Date: 11/03/08
Report Date: 09/04/08
Collection Date: 07/07/08 16:20
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.4	pCi/L		0.2		E907.0	08/10/08 12:36 / dmf
Thorium 230 precision (±)	1.7	pCi/L				E907.0	08/10/08 12:36 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-2.66	%				Calculation	09/02/08 14:37 / sdw
Anions	120	meq/L				Calculation	09/02/08 14:37 / sdw
Cations	113	meq/L				Calculation	09/02/08 14:37 / sdw
Solids, Total Dissolved Calculated	7040	mg/L				Calculation	09/02/08 14:37 / sdw
TDS Balance (0.80 - 1.20)	1.01					Calculation	09/02/08 14:37 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/15/08 23:16 / jlr
Bromoform	ND	ug/L		0.50		E624	07/15/08 23:16 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/15/08 23:16 / jlr
Chloroform	4.56	ug/L		0.50		E624	07/15/08 23:16 / jlr
Trihalomethanes, Total	4.56	ug/L		0.50		E624	07/15/08 23:16 / jlr
Surr: 1,2-Dichlorobenzene-d4	112	%REC		80-120		E624	07/15/08 23:16 / jlr
Surr: Dibromofluoromethane	136	%REC	S	80-120		E624	07/15/08 23:16 / jlr
Surr: p-Bromofluorobenzene	106	%REC		80-120		E624	07/15/08 23:16 / jlr
Surr: Toluene-d8	96.0	%REC		80-120		E624	07/15/08 23:16 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-009
Client Sample ID: 632

Report Date: 11/20/08
Collection Date: 10/06/08 15:55
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	1870	mg/L		1		A2320 B	10/13/08 15:32 / ljl
Calcium	605	mg/L		1		E200.7	10/28/08 20:28 / cp
Chloride	227	mg/L		1		A4500-Cl B	10/14/08 08:42 / sp
Magnesium	826	mg/L		1		E200.7	10/28/08 20:28 / cp
Nitrogen, Ammonia as N	0.7	mg/L		0.1		E350.1	10/16/08 15:46 / eli-b
Nitrogen, Nitrate+Nitrite as N	96.3	mg/L	D	0.2		E353.2	10/15/08 13:54 / eli-b
Potassium	9	mg/L		1		E200.7	10/28/08 20:28 / cp
Sodium	384	mg/L	D	8		E200.7	10/28/08 20:28 / cp
Sulfate	3760	mg/L	D	60		A4500-SO4 E	10/16/08 14:16 / jal
PHYSICAL PROPERTIES							
pH	6.81	s.u.		0.01		A4500-H B	10/13/08 11:58 / dd
Solids, Total Dissolved TDS @ 180 C	7220	mg/L		10		A2540 C	10/13/08 09:14 / jah
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	10/24/08 07:25 / sml
Beryllium	ND	mg/L		0.01		E200.8	10/24/08 07:25 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/22/08 22:07 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/22/08 22:07 / sml
Lead	ND	mg/L		0.05		E200.8	10/22/08 22:07 / sml
Manganese	2.39	mg/L		0.01		E200.8	10/22/08 22:07 / sml
Molybdenum	ND	mg/L		0.1		E200.8	10/22/08 22:07 / sml
Nickel	ND	mg/L		0.05		E200.8	10/22/08 22:07 / sml
Uranium	0.0760	mg/L		0.0003		E200.8	10/22/08 22:07 / sml
Vanadium	ND	mg/L		0.1		E200.8	10/22/08 22:07 / sml
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/21/08 19:14 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/17/08 08:45 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	0.9	pCi/L				E900.1	11/14/08 18:40 / cgr
Gross Alpha minus Rn & U Precision (±)	0.6	pCi/L				E900.1	11/14/08 18:40 / cgr
Gross Alpha minus Rn & U MDC	0.7	pCi/L				E900.1	11/14/08 18:40 / cgr
Lead 210	-2	pCi/L	U			E909.0M	10/27/08 10:08 / dm
Lead 210 precision (±)	2.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Lead 210 MDC	4.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Radium 226	0.57	pCi/L				E903.0	11/10/08 11:33 / trs
Radium 226 precision (±)	0.17	pCi/L				E903.0	11/10/08 11:33 / trs
Radium 226 MDC	0.19	pCi/L				E903.0	11/10/08 11:33 / trs
Radium 228	1.2	pCi/L	U			RA-05	11/03/08 15:38 / plj
Radium 228 precision (±)	0.81	pCi/L				RA-05	11/03/08 15:38 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/03/08 15:38 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-009
Client Sample ID: 632

Report Date: 11/20/08
Collection Date: 10/06/08 15:55
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	-0.9	pCi/L	U	0.2		E907.0	10/29/08 12:06 / dmf
Thorium 230 precision (±)	1.1	pCi/L				E907.0	10/29/08 12:06 / dmf
DATA QUALITY							
A/C Balance (± 5)	-3.01	%				Calculation	11/01/08 10:34 / sdw
Anions	122	meq/L				Calculation	11/01/08 10:34 / sdw
Cations	115	meq/L				Calculation	11/01/08 10:34 / sdw
Solids, Total Dissolved Calculated	7310	mg/L				Calculation	11/01/08 10:34 / sdw
TDS Balance (0.80 - 1.20)	0.990					Calculation	11/01/08 10:34 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/15/08 03:41 / wen
Bromoform	ND	ug/L		0.50		E624	10/15/08 03:41 / wen
Chlorodibromomethane	ND	ug/L		0.50		E624	10/15/08 03:41 / wen
Chloroform	3.03	ug/L		0.50		E624	10/15/08 03:41 / wen
Trihalomethanes, Total	3.03	ug/L		0.50		E624	10/15/08 03:41 / wen
Surr: 1,2-Dichlorobenzene-d4	105	%REC		80-120		E624	10/15/08 03:41 / wen
Surr: Dibromofluoromethane	100	%REC		80-120		E624	10/15/08 03:41 / wen
Surr: p-Bromofluorobenzene	108	%REC		80-120		E624	10/15/08 03:41 / wen
Surr: Toluene-d8	98.0	%REC		80-120		E624	10/15/08 03:41 / wen

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Alluvium Monitor Wells					
Well ID:		632	632	632	632
Collection Date:		10/6/2008	7/7/2008	4/7/2008	1/15/2008
Receive Date:		10/10/2008	7/14/2008	4/11/2008	1/18/2008
Report Date:		11/20/2008	9/4/2008	6/10/2008	4/1/2008
Analyte	Units	C08100471-009	C08070627-009	C08040580-009	C08010860-013
Bicarbonate as HCO3	mg/L	1870	1910	1830	1910
Calcium	mg/L	605	618	647	551
Chloride	mg/L	227	241	231	248
Magnesium	mg/L	826	802	870	738
Nitrogen, Ammonia as N	mg/L	0.7	0.56	0.6	0.70
Nitrogen, Nitrate+Nitrite as N	mg/L	96.3	122	113	68
Potassium	mg/L	9	9	12.6	10.3
Sodium	mg/L	384	377	436	366
Sulfate	mg/L	3760	3500	3550	3000
pH	s.u.	6.81	6.74	6.75	6.58
Solids, Total Dissolved TDS @ 180 C	mg/L	7220	7090	6910	7350
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	2.39	2.63	2.29	1.94
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0760	0.0797	0.0836	0.0667
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.003)	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	0.9	1.5	1.7	2.0
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.6	0.7	0.4	0.7
Gross Alpha minus Rn & U MDC	pCi/L	0.7	0.8		
Lead 210	pCi/L	-2	0.5	0.0	ND(1.0)
Lead 210 precision (±)	pCi/L	2.9	4.6	1	
Lead 210 MDC	pCi/L	4.9	7.8		
Radium 226	pCi/L	0.57	0.74	0.8	0.9
Radium 226 precision (±)	pCi/L	0.17	0.20	0.2	0.4
Radium 226 MDC	pCi/L	0.19	0.19	0.2	
Radium 228	pCi/L	1.2	2.6	2.5	ND(1.0)
Radium 228 precision (±)	pCi/L	0.81	0.84	0.8	
Radium 228 MDC	pCi/L	1.3	1.2	1.1	
Thorium 230	pCi/L	-0.9	0.4	0.6	ND(0.2)
Thorium 230 precision (±)	pCi/L	1.1	1.7	1	
A/C Balance (± 5)	%	-3.01	-2.66	1.98	-0.477
Anions	meq/L	122	120	119	106
Cations	meq/L	115	113	123	105
Solids, Total Dissolved Calculated	mg/L	7310	7040	7170	6150
TDS Balance (0.80 - 1.20)		0.990	1.01	0.960	1.20
Trihalomethanes, Total	ug/L	3.03	4.56	3.30	3.60

**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: C08070627-006
Client Sample ID: 801

Revised Date: 11/03/08
Report Date: 09/04/08
Collection Date: 07/07/08 14:15
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	1460	mg/L		1		A2320 B	07/16/08 10:52 / ljl
Calcium	530	mg/L		1		E200.7	08/29/08 14:40 / cp
Chloride	206	mg/L		1		A4500-Cl B	07/24/08 10:54 / sp
Magnesium	693	mg/L		1		E200.7	08/29/08 14:40 / cp
Nitrogen, Ammonia as N	3.00	mg/L		0.05		E350.1	07/23/08 11:51 / eli-b
Nitrogen, Nitrate+Nitrite as N	1.1	mg/L		0.1		E353.2	07/24/08 15:21 / eli-b
Potassium	11	mg/L		1		E200.7	08/29/08 14:40 / cp
Sodium	314	mg/L	D	8		E200.7	08/29/08 14:40 / cp
Sulfate	3610	mg/L	D	60		A4500-SO4 E	07/17/08 14:43 / sp
PHYSICAL PROPERTIES							
pH	6.67	s.u.	H	0.01		A4500-H B	07/15/08 12:27 / sp
Solids, Total Dissolved TDS @ 180 C	6300	mg/L	H	10		A2540 C	07/15/08 14:44 / dd
- The sample was received after the EPA recommended holding time for pH and TDS had expired.							
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	07/28/08 23:46 / cp
Beryllium	ND	mg/L		0.01		E200.8	07/29/08 22:40 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/29/08 22:40 / ts
Cobalt	ND	mg/L		0.01		E200.8	07/29/08 22:40 / ts
Lead	ND	mg/L		0.05		E200.8	07/29/08 22:40 / ts
Manganese	4.81	mg/L		0.01		E200.7	07/28/08 23:46 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/28/08 23:46 / cp
Nickel	ND	mg/L		0.05		E200.8	07/29/08 22:40 / ts
Uranium	0.0387	mg/L		0.0003		E200.8	07/29/08 22:40 / ts
Vanadium	ND	mg/L		0.1		E200.7	07/28/08 23:46 / cp
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	07/30/08 14:25 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/06/08 14:11 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.2	pCi/L				E900.1	08/02/08 14:51 / crw
Gross Alpha minus Rn & U Precision (±)	0.7	pCi/L				E900.1	08/02/08 14:51 / crw
Gross Alpha minus Rn & U MDC	0.8	pCi/L				E900.1	08/02/08 14:51 / crw
Lead 210	-0.3	pCi/L	U			E909.0M	07/25/08 10:35 / dm
Lead 210 precision (±)	4.6	pCi/L				E909.0M	07/25/08 10:35 / dm
Lead 210 MDC	7.8	pCi/L				E909.0M	07/25/08 10:35 / dm
Radium 226	0.34	pCi/L				E903.0	08/12/08 14:55 / trs
Radium 226 precision (±)	0.18	pCi/L				E903.0	08/12/08 14:55 / trs
Radium 226 MDC	0.22	pCi/L				E903.0	08/12/08 14:55 / trs
Radium 228	2.5	pCi/L				RA-05	08/07/08 10:37 / plj
Radium 228 precision (±)	0.84	pCi/L				RA-05	08/07/08 10:37 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	08/07/08 10:37 / plj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08070627-006
Client Sample ID: 801

Revised Date: 11/03/08
Report Date: 09/04/08
Collection Date: 07/07/08 14:15
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.3	pCi/L		0.2		E907.0	08/08/08 23:57 / dmf
Thorium 230 precision (±)	0.7	pCi/L				E907.0	08/08/08 23:57 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-3.61	%				Calculation	09/02/08 14:34 / sdw
Anions	105	meq/L				Calculation	09/02/08 14:34 / sdw
Cations	97.6	meq/L				Calculation	09/02/08 14:34 / sdw
Solids, Total Dissolved Calculated	6100	mg/L				Calculation	09/02/08 14:34 / sdw
TDS Balance (0.80 - 1.20)	1.03					Calculation	09/02/08 14:34 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/15/08 17:28 / jlr
Bromoform	ND	ug/L		0.50		E624	07/15/08 17:28 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/15/08 17:28 / jlr
Chloroform	3.49	ug/L		0.50		E624	07/15/08 17:28 / jlr
Trihalomethanes, Total	3.49	ug/L		0.50		E624	07/15/08 17:28 / jlr
Surr: 1,2-Dichlorobenzene-d4	109	%REC		80-120		E624	07/15/08 17:28 / jlr
Surr: Dibromofluoromethane	122	%REC	S	80-120		E624	07/15/08 17:28 / jlr
Surr: p-Bromofluorobenzene	106	%REC		80-120		E624	07/15/08 17:28 / jlr
Surr: Toluene-d8	98.0	%REC		80-120		E624	07/15/08 17:28 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-006
Client Sample ID: 801

Report Date: 11/20/08
Collection Date: 10/06/08 13:05
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	1430	mg/L		1		A2320 B	10/13/08 15:03 / ljl
Calcium	549	mg/L		1		E200.7	10/28/08 20:00 / cp
Chloride	191	mg/L		1		A4500-Cl B	10/14/08 08:36 / sp
Magnesium	729	mg/L		1		E200.7	10/28/08 20:00 / cp
Nitrogen, Ammonia as N	3.7	mg/L		0.1		E350.1	10/16/08 15:39 / eli-b
Nitrogen, Nitrate+Nitrite as N	1.1	mg/L		0.1		E353.2	10/15/08 12:14 / eli-b
Potassium	12	mg/L		1		E200.7	10/28/08 20:00 / cp
Sodium	336	mg/L	D	8		E200.7	10/28/08 20:00 / cp
Sulfate	3790	mg/L	D	60		A4500-SO4 E	10/16/08 14:07 / jal
PHYSICAL PROPERTIES							
pH	6.75	s.u.		0.01		A4500-H B	10/13/08 11:51 / dd
Solids, Total Dissolved TDS @ 180 C	6490	mg/L		10		A2540 C	10/13/08 09:13 / jah
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	10/24/08 06:52 / sml
Beryllium	ND	mg/L		0.01		E200.8	10/24/08 06:52 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/22/08 21:05 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/22/08 21:05 / sml
Lead	ND	mg/L		0.05		E200.8	10/22/08 21:05 / sml
Manganese	3.86	mg/L		0.01		E200.8	10/22/08 21:05 / sml
Molybdenum	ND	mg/L		0.1		E200.8	10/22/08 21:05 / sml
Nickel	ND	mg/L		0.05		E200.8	10/22/08 21:05 / sml
Uranium	0.0382	mg/L		0.0003		E200.8	10/22/08 21:05 / sml
Vanadium	ND	mg/L		0.1		E200.8	10/22/08 21:05 / sml
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/21/08 18:33 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/17/08 08:38 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.6	pCi/L				E900.1	10/30/08 11:23 / cgr
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	10/30/08 11:23 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 11:23 / cgr
Lead 210	-2	pCi/L	U			E909.0M	10/27/08 10:08 / dm
Lead 210 precision (±)	2.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Lead 210 MDC	4.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Radium 226	0.52	pCi/L				E903.0	11/10/08 11:33 / trs
Radium 226 precision (±)	0.19	pCi/L				E903.0	11/10/08 11:33 / trs
Radium 226 MDC	0.22	pCi/L				E903.0	11/10/08 11:33 / trs
Radium 228	0.14	pCi/L	U			RA-05	11/03/08 15:38 / plj
Radium 228 precision (±)	0.77	pCi/L				RA-05	11/03/08 15:38 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/03/08 15:38 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-006
Client Sample ID: 801

Report Date: 11/20/08
Collection Date: 10/06/08 13:05
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.4	pCi/L		0.2		E907.0	10/29/08 07:55 / dmf
Thorium 230 precision (±)	0.6	pCi/L				E907.0	10/29/08 07:55 / dmf
DATA QUALITY							
A/C Balance (± 5)	-2.54	%				Calculation	11/01/08 10:33 / sdw
Anions	108	meq/L				Calculation	11/01/08 10:33 / sdw
Cations	103	meq/L				Calculation	11/01/08 10:33 / sdw
Solids, Total Dissolved Calculated	6470	mg/L				Calculation	11/01/08 10:33 / sdw
TDS Balance (0.80 - 1.20)	1.00					Calculation	11/01/08 10:33 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/14/08 22:25 / wen
Bromoform	ND	ug/L		0.50		E624	10/14/08 22:25 / wen
Chlorodibromomethane	ND	ug/L		0.50		E624	10/14/08 22:25 / wen
Chloroform	2.84	ug/L		0.50		E624	10/14/08 22:25 / wen
Trihalomethanes, Total	2.84	ug/L		0.50		E624	10/14/08 22:25 / wen
Surr: 1,2-Dichlorobenzene-d4	103	%REC		80-120		E624	10/14/08 22:25 / wen
Surr: Dibromofluoromethane	98.0	%REC		80-120		E624	10/14/08 22:25 / wen
Surr: p-Bromofluorobenzene	105	%REC		80-120		E624	10/14/08 22:25 / wen
Surr: Toluene-d8	98.0	%REC		80-120		E624	10/14/08 22:25 / wen

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Alluvium Monitor Wells					
Well ID:		801	801	801	801
Collection Date:		10/6/2008	7/7/2008	4/7/2008	1/14/2008
Receive Date:		10/10/2008	7/14/2008	4/11/2008	1/18/2008
Report Date:		11/20/2008	9/4/2008	6/10/2008	4/1/2008
Analyte	Units	C08100471-006	C08070627-006	C08040580-006	C08010860-006
Bicarbonate as HCO3	mg/L	1430	1460	1380	1440
Calcium	mg/L	549	530	578	528
Chloride	mg/L	191	206	197	209
Magnesium	mg/L	729	693	763	669
Nitrogen, Ammonia as N	mg/L	3.7	3.00	3.3	3.55
Nitrogen, Nitrate+Nitrite as N	mg/L	1.1	1.1	0.9	0.9
Potassium	mg/L	12	11	14.4	13.0
Sodium	mg/L	336	314	375	334
Sulfate	mg/L	3790	3610	3610	3100
pH	s.u.	6.75	6.67	6.75	6.65
Solids, Total Dissolved TDS @ 180 C	mg/L	6490	6300	6190	6580
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	3.86	4.81	4.01	3.81
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0382	0.0387	0.0395	0.0366
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.003)	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	1.2	1.5	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.5	0.7	0.4	
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.8		
Lead 210	pCi/L	-2	-0.3	-4.5	ND(1.0)
Lead 210 precision (±)	pCi/L	2.9	4.6	2	
Lead 210 MDC	pCi/L	4.9	7.8		
Radium 226	pCi/L	0.52	0.34	0.5	ND(0.2)
Radium 226 precision (±)	pCi/L	0.19	0.18	0.2	
Radium 226 MDC	pCi/L	0.22	0.22	0.2	
Radium 228	pCi/L	0.14	2.5	1.2	ND(1.0)
Radium 228 precision (±)	pCi/L	0.77	0.84	0.7	
Radium 228 MDC	pCi/L	1.3	1.2	1.1	
Thorium 230	pCi/L	0.4	0.3	0.2	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.6	0.7	0.5	
A/C Balance (± 5)	%	-2.54	-3.61	2.52	1.39
Anions	meq/L	108	105	103	94.1
Cations	meq/L	103	97.6	109	96.8
Solids, Total Dissolved Calculated	mg/L	6470	6100	6250	5570
TDS Balance (0.80 - 1.20)		1.00	1.03	0.990	1.18
Trihalomethanes, Total	ug/L	2.84	3.49	2.78	2.68

**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: C08070627-005
Client Sample ID: 802

Revised Date: 11/03/08
Report Date: 09/04/08
Collection Date: 07/07/08 12:25
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	2150	mg/L		1		A2320 B	07/16/08 10:45 / ljl
Calcium	640	mg/L		1		E200.7	08/29/08 14:36 / cp
Chloride	195	mg/L		1		A4500-Cl B	07/24/08 10:50 / sp
Magnesium	986	mg/L		1		E200.7	08/29/08 14:36 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	07/23/08 11:50 / eli-b
Nitrogen, Nitrate+Nitrite as N	105	mg/L	D	0.2		E353.2	07/24/08 15:20 / eli-b
Potassium	6	mg/L		1		E200.7	08/29/08 14:36 / cp
Sodium	336	mg/L	D	8		E200.7	08/29/08 14:36 / cp
Sulfate	3800	mg/L	D	60		A4500-SO4 E	07/17/08 14:35 / sp
PHYSICAL PROPERTIES							
pH	6.72	s.u.	H	0.01		A4500-H B	07/15/08 12:25 / sp
Solids, Total Dissolved TDS @ 180 C	8000	mg/L	H	10		A2540 C	07/15/08 14:43 / dd
- The sample was received after the EPA recommended holding time for pH and TDS had expired.							
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	07/28/08 23:42 / cp
Beryllium	ND	mg/L		0.01		E200.8	07/29/08 22:33 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/29/08 22:33 / ts
Cobalt	ND	mg/L		0.01		E200.8	07/29/08 22:33 / ts
Lead	ND	mg/L		0.05		E200.8	07/29/08 22:33 / ts
Manganese	0.90	mg/L		0.01		E200.7	07/28/08 23:42 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/28/08 23:42 / cp
Nickel	ND	mg/L		0.05		E200.8	07/29/08 22:33 / ts
Uranium	0.132	mg/L		0.0003		E200.8	07/29/08 22:33 / ts
Vanadium	ND	mg/L		0.1		E200.8	07/29/08 22:33 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	07/30/08 14:17 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/06/08 14:09 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.7	pCi/L				E900.1	08/02/08 14:51 / crw
Gross Alpha minus Rn & U Precision (±)	0.7	pCi/L				E900.1	08/02/08 14:51 / crw
Gross Alpha minus Rn & U MDC	0.8	pCi/L				E900.1	08/02/08 14:51 / crw
Lead 210	6.6	pCi/L	U			E909.0M	07/25/08 10:35 / dm
Lead 210 precision (±)	4.7	pCi/L				E909.0M	07/25/08 10:35 / dm
Lead 210 MDC	7.8	pCi/L				E909.0M	07/25/08 10:35 / dm
Radium 226	-0.02	pCi/L	U			E903.0	08/12/08 14:55 / trs
Radium 226 precision (±)	0.11	pCi/L				E903.0	08/12/08 14:55 / trs
Radium 226 MDC	0.20	pCi/L				E903.0	08/12/08 14:55 / trs
Radium 228	1.2	pCi/L				RA-05	08/07/08 10:37 / plj
Radium 228 precision (±)	0.78	pCi/L				RA-05	08/07/08 10:37 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	08/07/08 10:37 / plj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08070627-005
Client Sample ID: 802

Revised Date: 11/03/08
Report Date: 09/04/08
Collection Date: 07/07/08 12:25
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	1	pCi/L		0.2		E907.0	08/18/08 21:40 / dmf
Thorium 230 precision (±)	1.9	pCi/L				E907.0	08/18/08 21:40 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	0.205	%				Calculation	09/02/08 14:33 / sdw
Anions	127	meq/L				Calculation	09/02/08 14:33 / sdw
Cations	128	meq/L				Calculation	09/02/08 14:33 / sdw
Solids, Total Dissolved Calculated	7500	mg/L				Calculation	09/02/08 14:33 / sdw
TDS Balance (0.80 - 1.20)	1.07					Calculation	09/02/08 14:33 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/15/08 16:49 / jlr
Bromoform	ND	ug/L		0.50		E624	07/15/08 16:49 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/15/08 16:49 / jlr
Chloroform	15.2	ug/L		0.50		E624	07/15/08 16:49 / jlr
Trihalomethanes, Total	15.2	ug/L		0.50		E624	07/15/08 16:49 / jlr
Surr: 1,2-Dichlorobenzene-d4	106	%REC		80-120		E624	07/15/08 16:49 / jlr
Surr: Dibromofluoromethane	117	%REC		80-120		E624	07/15/08 16:49 / jlr
Surr: p-Bromofluorobenzene	106	%REC		80-120		E624	07/15/08 16:49 / jlr
Surr: Toluene-d8	97.0	%REC		80-120		E624	07/15/08 16:49 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-005
Client Sample ID: 802

Report Date: 11/20/08
Collection Date: 10/06/08 12:30
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	2100	mg/L		1		A2320 B	10/13/08 14:48 / ljl
Calcium	619	mg/L		1		E200.7	10/28/08 19:56 / cp
Chloride	181	mg/L		1		A4500-Cl B	10/14/08 08:34 / sp
Magnesium	950	mg/L		1		E200.7	10/28/08 19:56 / cp
Nitrogen, Ammonia as N	0.2	mg/L		0.1		E350.1	10/16/08 15:38 / eli-b
Nitrogen, Nitrate+Nitrite as N	148	mg/L	D	0.2		E353.2	10/15/08 12:13 / eli-b
Potassium	6	mg/L		1		E200.7	10/28/08 19:56 / cp
Sodium	342	mg/L	D	8		E200.7	10/28/08 19:56 / cp
Sulfate	3980	mg/L	D	60		A4500-SO4 E	10/16/08 13:39 / jal
PHYSICAL PROPERTIES							
pH	6.76	s.u.		0.01		A4500-H B	10/13/08 11:47 / dd
Solids, Total Dissolved TDS @ 180 C	8140	mg/L		10		A2540 C	10/13/08 09:13 / jah
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	10/24/08 06:45 / sml
Beryllium	ND	mg/L		0.01		E200.8	10/24/08 06:45 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/22/08 20:58 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/22/08 20:58 / sml
Lead	ND	mg/L		0.05		E200.8	10/22/08 20:58 / sml
Manganese	0.71	mg/L		0.01		E200.8	10/22/08 20:58 / sml
Molybdenum	ND	mg/L		0.1		E200.8	10/22/08 20:58 / sml
Nickel	ND	mg/L		0.05		E200.8	10/22/08 20:58 / sml
Uranium	0.132	mg/L		0.0003		E200.8	10/22/08 20:58 / sml
Vanadium	ND	mg/L		0.1		E200.8	10/22/08 20:58 / sml
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/21/08 18:08 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/17/08 08:36 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.9	pCi/L				E900.1	10/30/08 11:23 / cgr
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	10/30/08 11:23 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 11:23 / cgr
Lead 210	-0.5	pCi/L	U			E909.0M	10/27/08 10:08 / dm
Lead 210 precision (±)	2.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Lead 210 MDC	4.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Radium 226	0.16	pCi/L	U			E903.0	11/10/08 11:33 / trs
Radium 226 precision (±)	0.14	pCi/L				E903.0	11/10/08 11:33 / trs
Radium 226 MDC	0.21	pCi/L				E903.0	11/10/08 11:33 / trs
Radium 228	0.44	pCi/L	U			RA-05	11/03/08 15:38 / plj
Radium 228 precision (±)	0.78	pCi/L				RA-05	11/03/08 15:38 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/03/08 15:38 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-005
Client Sample ID: 802

Report Date: 11/20/08
Collection Date: 10/06/08 12:30
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.0	pCi/L	U	0.2		E907.0	10/29/08 07:54 / dmf
Thorium 230 precision (±)	0.5	pCi/L				E907.0	10/29/08 07:54 / dmf
DATA QUALITY							
A/C Balance (± 5)	-3.44	%				Calculation	11/01/08 10:33 / sdw
Anions	133	meq/L				Calculation	11/01/08 10:33 / sdw
Cations	124	meq/L				Calculation	11/01/08 10:33 / sdw
Solids, Total Dissolved Calculated	7860	mg/L				Calculation	11/01/08 10:33 / sdw
TDS Balance (0.80 - 1.20)	1.04					Calculation	11/01/08 10:33 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/14/08 21:45 / wen
Bromoform	ND	ug/L		0.50		E624	10/14/08 21:45 / wen
Chlorodibromomethane	ND	ug/L		0.50		E624	10/14/08 21:45 / wen
Chloroform	13.8	ug/L		0.50		E624	10/14/08 21:45 / wen
Trihalomethanes, Total	13.8	ug/L		0.50		E624	10/14/08 21:45 / wen
Surr: 1,2-Dichlorobenzene-d4	104	%REC		80-120		E624	10/14/08 21:45 / wen
Surr: Dibromofluoromethane	100	%REC		80-120		E624	10/14/08 21:45 / wen
Surr: p-Bromofluorobenzene	105	%REC		80-120		E624	10/14/08 21:45 / wen
Surr: Toluene-d8	100	%REC		80-120		E624	10/14/08 21:45 / wen

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Alluvium Monitor Wells					
Well ID:		802	802	802	802
Collection Date:		10/6/2008	7/7/2008	4/7/2008	1/14/2008
Receive Date:		10/10/2008	7/14/2008	4/11/2008	1/18/2008
Report Date:		11/20/2008	9/4/2008	6/10/2008	4/1/2008
Analyte	Units	C08100471-005	C08070627-005	C08040580-005	C08010860-005
Bicarbonate as HCO3	mg/L	2100	2150	2040	2160
Calcium	mg/L	619	640	638	622
Chloride	mg/L	181	195	192	219
Magnesium	mg/L	950	986	1010	961
Nitrogen, Ammonia as N	mg/L	0.2	ND(0.05)	ND(0.1)	ND(0.05)
Nitrogen, Nitrate+Nitrite as N	mg/L	148	105	158	97
Potassium	mg/L	6	6	8.1	7.6
Sodium	mg/L	342	336	386	344
Sulfate	mg/L	3980	3800	3980	3530
pH	s.u.	6.76	6.72	6.77	6.60
Solids, Total Dissolved TDS @ 180 C	mg/L	8140	8000	7710	8170
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	0.71	0.90	0.90	0.80
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	0.132	0.143	0.128
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.003)	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	1.9	1.7	1.0	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.5	0.7	0.4	
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.8		
Lead 210	pCi/L	-0.5	6.6	0.0	ND(1.0)
Lead 210 precision (±)	pCi/L	2.9	4.7	2	
Lead 210 MDC	pCi/L	4.9	7.8		
Radium 226	pCi/L	0.16	-0.02	0.1	ND(0.2)
Radium 226 precision (±)	pCi/L	0.14	0.11	0.1	
Radium 226 MDC	pCi/L	0.21	0.20	0.2	
Radium 228	pCi/L	0.44	1.2	0.3	ND(1.0)
Radium 228 precision (±)	pCi/L	0.78	0.78	0.7	
Radium 228 MDC	pCi/L	1.3	1.2	1.1	
Thorium 230	pCi/L	0.0	1	-1.8	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.5	1.9	3	
A/C Balance (± 5)	%	-3.44	0.205	-0.368	1.32
Anions	meq/L	133	127	133	122
Cations	meq/L	124	128	132	125
Solids, Total Dissolved Calculated	mg/L	7860	7500	7940	7180
TDS Balance (0.80 - 1.20)		1.04	1.07	0.970	1.14
Trihalomethanes, Total	ug/L	13.8	15.2	13.7	14.0

**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: C08070627-003
Client Sample ID: 803

Report Date: 09/04/08
Collection Date: 07/07/08 11:05
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	1840	mg/L		1		A2320 B	07/15/08 21:11 / ljl
Calcium	650	mg/L		1		E200.7	08/29/08 14:24 / cp
Chloride	165	mg/L		1		A4500-Cl B	07/24/08 10:46 / sp
Magnesium	711	mg/L		1		E200.7	08/29/08 14:24 / cp
Nitrogen, Ammonia as N	1.76	mg/L		0.05		E350.1	07/23/08 11:47 / eli-b
Nitrogen, Nitrate+Nitrite as N	49.4	mg/L	D	0.2		E353.2	07/24/08 14:00 / eli-b
Potassium	12	mg/L		1		E200.7	08/29/08 14:24 / cp
Sodium	254	mg/L	D	8		E200.7	08/29/08 14:24 / cp
Sulfate	3280	mg/L	D	30		A4500-SO4 E	07/17/08 14:19 / sp
PHYSICAL PROPERTIES							
pH	6.74	s.u.	H	0.01		A4500-H B	07/15/08 12:20 / sp
Solids, Total Dissolved TDS @ 180 C	6480	mg/L	H	10		A2540 C	07/15/08 14:43 / dd
- The sample was received after the EPA recommended holding time for pH and TDS had expired.							
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	07/28/08 23:22 / cp
Beryllium	ND	mg/L		0.01		E200.8	07/29/08 22:20 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/29/08 22:20 / ts
Cobalt	ND	mg/L		0.01		E200.8	07/29/08 22:20 / ts
Lead	ND	mg/L		0.05		E200.8	07/29/08 22:20 / ts
Manganese	2.02	mg/L		0.01		E200.7	07/28/08 23:22 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/28/08 23:22 / cp
Nickel	ND	mg/L		0.05		E200.8	07/29/08 22:20 / ts
Uranium	0.0994	mg/L		0.0003		E200.8	07/29/08 22:20 / ts
Vanadium	ND	mg/L		0.1		E200.8	07/29/08 22:20 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	07/30/08 13:51 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/06/08 14:05 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	0.9	pCi/L				E900.1	08/02/08 14:51 / crw
Gross Alpha minus Rn & U Precision (±)	0.6	pCi/L				E900.1	08/02/08 14:51 / crw
Gross Alpha minus Rn & U MDC	0.8	pCi/L				E900.1	08/02/08 14:51 / crw
Lead 210	1.2	pCi/L	U			E909.0M	07/25/08 10:35 / dm
Lead 210 precision (±)	4.7	pCi/L				E909.0M	07/25/08 10:35 / dm
Lead 210 MDC	7.8	pCi/L				E909.0M	07/25/08 10:35 / dm
Radium 226	-0.04	pCi/L	U			E903.0	08/12/08 14:55 / trs
Radium 226 precision (±)	0.12	pCi/L				E903.0	08/12/08 14:55 / trs
Radium 226 MDC	0.22	pCi/L				E903.0	08/12/08 14:55 / trs
Radium 228	2.3	pCi/L				RA-05	08/07/08 10:37 / plj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08070627-003
Client Sample ID: 803

Report Date: 09/04/08
Collection Date: 07/07/08 11:05
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision (±)	0.83	pCi/L				RA-05	08/07/08 10:37 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	08/07/08 10:37 / plj
Thorium 230	0.0	pCi/L	U	0.2		E907.0	08/08/08 23:57 / dmf
Thorium 230 precision (±)	0.7	pCi/L				E907.0	08/08/08 23:57 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-2.00	%				Calculation	09/02/08 14:10 / sdw
Anions	107	meq/L				Calculation	09/02/08 14:10 / sdw
Cations	102	meq/L				Calculation	09/02/08 14:10 / sdw
Solids, Total Dissolved Calculated	6210	mg/L				Calculation	09/02/08 14:10 / sdw
TDS Balance (0.80 - 1.20)	1.04					Calculation	09/02/08 14:10 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/15/08 15:31 / jlr
Bromoform	ND	ug/L		0.50		E624	07/15/08 15:31 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/15/08 15:31 / jlr
Chloroform	4.52	ug/L		0.50		E624	07/15/08 15:31 / jlr
Trihalomethanes, Total	4.52	ug/L		0.50		E624	07/15/08 15:31 / jlr
Surr: 1,2-Dichlorobenzene-d4	107	%REC		80-120		E624	07/15/08 15:31 / jlr
Surr: Dibromofluoromethane	110	%REC		80-120		E624	07/15/08 15:31 / jlr
Surr: p-Bromofluorobenzene	104	%REC		80-120		E624	07/15/08 15:31 / jlr
Surr: Toluene-d8	98.0	%REC		80-120		E624	07/15/08 15:31 / jlr

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QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-003
Client Sample ID: 803

Report Date: 11/20/08
Collection Date: 10/06/08 10:35
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	1790	mg/L		1		A2320 B	10/13/08 14:29 / ljl
Calcium	671	mg/L		1		E200.7	10/28/08 19:48 / cp
Chloride	163	mg/L		1		A4500-Cl B	10/14/08 08:26 / sp
Magnesium	721	mg/L		1		E200.7	10/28/08 19:48 / cp
Nitrogen, Ammonia as N	1.9	mg/L		0.1		E350.1	10/16/08 15:35 / eli-b
Nitrogen, Nitrate+Nitrite as N	48.6	mg/L		0.1		E353.2	10/15/08 12:11 / eli-b
Potassium	12	mg/L		1		E200.7	10/28/08 19:48 / cp
Sodium	276	mg/L	D	8		E200.7	10/28/08 19:48 / cp
Sulfate	3410	mg/L	D	60		A4500-SO4 E	10/16/08 13:36 / jal
PHYSICAL PROPERTIES							
pH	6.81	s.u.		0.01		A4500-H B	10/13/08 11:29 / dd
Solids, Total Dissolved TDS @ 180 C	6740	mg/L		10		A2540 C	10/13/08 09:12 / jah
METALS - TOTAL							
Aluminum	ND	mg/L		0.10		E200.8	11/19/08 13:51 / sml
Beryllium	ND	mg/L		0.010		E200.8	11/19/08 13:51 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/22/08 20:44 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/22/08 20:44 / sml
Lead	ND	mg/L		0.05		E200.8	10/22/08 20:44 / sml
Manganese	1.66	mg/L		0.01		E200.8	10/22/08 20:44 / sml
Molybdenum	ND	mg/L		0.1		E200.8	10/22/08 20:44 / sml
Nickel	ND	mg/L		0.05		E200.8	10/22/08 20:44 / sml
Uranium	0.110	mg/L		0.0003		E200.8	10/22/08 20:44 / sml
Vanadium	ND	mg/L		0.1		E200.8	10/22/08 20:44 / sml
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/21/08 17:52 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/17/08 08:20 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.0	pCi/L				E900.1	10/30/08 11:23 / cgr
Gross Alpha minus Rn & U Precision (±)	0.4	pCi/L				E900.1	10/30/08 11:23 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 11:23 / cgr
Lead 210	-6	pCi/L	U			E909.0M	10/27/08 10:08 / dm
Lead 210 precision (±)	5.7	pCi/L				E909.0M	10/27/08 10:08 / dm
Lead 210 MDC	9.8	pCi/L				E909.0M	10/27/08 10:08 / dm
Radium 226	-0.04	pCi/L	U			E903.0	11/10/08 11:33 / trs
Radium 226 precision (±)	0.11	pCi/L				E903.0	11/10/08 11:33 / trs
Radium 226 MDC	0.20	pCi/L				E903.0	11/10/08 11:33 / trs
Radium 228	-0.04	pCi/L	U			RA-05	11/03/08 15:38 / plj
Radium 228 precision (±)	0.76	pCi/L				RA-05	11/03/08 15:38 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/03/08 15:38 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-003
Client Sample ID: 803

Report Date: 11/20/08
Collection Date: 10/06/08 10:35
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.3	pCi/L		0.2		E907.0	10/29/08 07:54 / dmf
Thorium 230 precision (±)	0.6	pCi/L				E907.0	10/29/08 07:54 / dmf
DATA QUALITY							
A/C Balance (± 5)	-1.47	%				Calculation	11/01/08 10:33 / sdw
Anions	108	meq/L				Calculation	11/01/08 10:33 / sdw
Cations	105	meq/L				Calculation	11/01/08 10:33 / sdw
Solids, Total Dissolved Calculated	6450	mg/L				Calculation	11/01/08 10:33 / sdw
TDS Balance (0.80 - 1.20)	1.04					Calculation	11/01/08 10:33 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/14/08 20:27 / wen
Bromoform	ND	ug/L		0.50		E624	10/14/08 20:27 / wen
Chlorodibromomethane	ND	ug/L		0.50		E624	10/14/08 20:27 / wen
Chloroform	5.88	ug/L		0.50		E624	10/14/08 20:27 / wen
Trihalomethanes, Total	5.88	ug/L		0.50		E624	10/14/08 20:27 / wen
Surr: 1,2-Dichlorobenzene-d4	109	%REC		80-120		E624	10/14/08 20:27 / wen
Surr: Dibromofluoromethane	136	%REC	S	80-120		E624	10/14/08 20:27 / wen
Surr: p-Bromofluorobenzene	107	%REC		80-120		E624	10/14/08 20:27 / wen
Surr: Toluene-d8	100	%REC		80-120		E624	10/14/08 20:27 / wen

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Alluvium Monitor Wells					
Well ID:		803	803	803	803
Collection Date:		10/6/2008	7/7/2008	4/7/2008	1/14/2008
Receive Date:		10/10/2008	7/14/2008	4/11/2008	1/18/2008
Report Date:		11/20/2008	9/4/2008	6/10/2008	4/1/2008
Analyte	Units	C08100471-003	C08070627-003	C08040580-003	C08010860-003
Bicarbonate as HCO3	mg/L	1790	1840	1720	1810
Calcium	mg/L	671	650	678	609
Chloride	mg/L	163	165	135	178
Magnesium	mg/L	721	711	777	664
Nitrogen, Ammonia as N	mg/L	1.9	1.76	2.0	1.61
Nitrogen, Nitrate+Nitrite as N	mg/L	48.6	49.4	68.1	47
Potassium	mg/L	12	12	15.2	12.6
Sodium	mg/L	276	254	310	260
Sulfate	mg/L	3410	3280	3310	2810
pH	s.u.	6.81	6.74	6.73	6.61
Solids, Total Dissolved TDS @ 180 C	mg/L	6740	6480	6460	6780
Aluminum	mg/L	ND(0.10)	ND(0.1)	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.010)	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	1.66	2.02	2.01	1.95
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	0.110	0.0994	0.118	0.115
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.003)	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	0.9	1.1	1.0
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.4	0.6	0.4	0.6
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.8		
Lead 210	pCi/L	-6	1.2	0.0	ND(1.0)
Lead 210 precision (±)	pCi/L	5.7	4.7	2	
Lead 210 MDC	pCi/L	9.8	7.8		
Radium 226	pCi/L	-0.04	-0.04	-0.001	ND(0.2)
Radium 226 precision (±)	pCi/L	0.11	0.12	0.1	
Radium 226 MDC	pCi/L	0.20	0.22	0.2	
Radium 228	pCi/L	-0.04	2.3	0.5	ND(1.0)
Radium 228 precision (±)	pCi/L	0.76	0.83	0.7	
Radium 228 MDC	pCi/L	1.3	1.2	1.1	
Thorium 230	pCi/L	0.3	0.0	-0.05	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.6	0.7	0.5	
A/C Balance (± 5)	%	-1.47	-2.00	2.87	0.277
Anions	meq/L	108	107	106	96.4
Cations	meq/L	105	102	112	96.9
Solids, Total Dissolved Calculated	mg/L	6450	6210	6390	5630
TDS Balance (0.80 - 1.20)		1.04	1.04	1.01	1.20
Trihalomethanes, Total	ug/L	5.88	4.52	3.89	4.24

**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: C08070627-004
Client Sample ID: 808

Revised Date: 11/03/08
Report Date: 09/04/08
Collection Date: 07/07/08 11:45
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	1800	mg/L		1		A2320 B	07/15/08 21:20 / ljl
Calcium	712	mg/L		1		E200.7	08/29/08 14:32 / cp
Chloride	167	mg/L		1		A4500-Cl B	07/24/08 10:47 / sp
Magnesium	633	mg/L		1		E200.7	08/29/08 14:32 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	07/23/08 11:49 / eli-b
Nitrogen, Nitrate+Nitrite as N	124	mg/L	D	0.2		E353.2	07/24/08 14:01 / eli-b
Potassium	4	mg/L		1		E200.7	08/29/08 14:32 / cp
Sodium	279	mg/L	D	8		E200.7	08/29/08 14:32 / cp
Sulfate	2900	mg/L	D	30		A4500-SO4 E	07/17/08 14:23 / sp
PHYSICAL PROPERTIES							
pH	6.77	s.u.	H	0.01		A4500-H B	07/15/08 12:23 / sp
Solids, Total Dissolved TDS @ 180 C	6240	mg/L	H	10		A2540 C	07/15/08 14:43 / dd
- The sample was received after the EPA recommended holding time for pH and TDS had expired.							
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	07/28/08 23:26 / cp
Beryllium	ND	mg/L		0.01		E200.8	07/29/08 22:26 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/29/08 22:26 / ts
Cobalt	ND	mg/L		0.01		E200.8	07/29/08 22:26 / ts
Lead	ND	mg/L		0.05		E200.8	07/29/08 22:26 / ts
Manganese	0.72	mg/L		0.01		E200.7	07/28/08 23:26 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/28/08 23:26 / cp
Nickel	ND	mg/L		0.05		E200.8	07/29/08 22:26 / ts
Uranium	0.119	mg/L		0.0003		E200.8	07/29/08 22:26 / ts
Vanadium	ND	mg/L		0.1		E200.8	07/29/08 22:26 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	07/30/08 14:08 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/06/08 14:07 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.0	pCi/L				E900.1	08/02/08 14:51 / crw
Gross Alpha minus Rn & U Precision (±)	0.6	pCi/L				E900.1	08/02/08 14:51 / crw
Gross Alpha minus Rn & U MDC	0.8	pCi/L				E900.1	08/02/08 14:51 / crw
Lead 210	2.0	pCi/L	U			E909.0M	07/25/08 10:35 / dm
Lead 210 precision (±)	4.7	pCi/L				E909.0M	07/25/08 10:35 / dm
Lead 210 MDC	7.8	pCi/L				E909.0M	07/25/08 10:35 / dm
Radium 226	-0.08	pCi/L	U			E903.0	08/12/08 14:55 / trs
Radium 226 precision (±)	0.12	pCi/L				E903.0	08/12/08 14:55 / trs
Radium 226 MDC	0.23	pCi/L				E903.0	08/12/08 14:55 / trs
Radium 228	1.9	pCi/L				RA-05	08/07/08 10:37 / plj
Radium 228 precision (±)	0.81	pCi/L				RA-05	08/07/08 10:37 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	08/07/08 10:37 / plj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
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H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08070627-004
Client Sample ID: 808

Revised Date: 11/03/08
Report Date: 09/04/08
Collection Date: 07/07/08 11:45
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.4	pCi/L		0.2		E907.0	08/08/08 23:57 / dmf
Thorium 230 precision (±)	1.9	pCi/L				E907.0	08/08/08 23:57 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-1.73	%				Calculation	09/02/08 14:32 / sdw
Anions	103	meq/L				Calculation	09/02/08 14:32 / sdw
Cations	99.8	meq/L				Calculation	09/02/08 14:32 / sdw
Solids, Total Dissolved Calculated	6140	mg/L				Calculation	09/02/08 14:32 / sdw
TDS Balance (0.80 - 1.20)	1.02					Calculation	09/02/08 14:32 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/15/08 16:10 / jlr
Bromoform	ND	ug/L		0.50		E624	07/15/08 16:10 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/15/08 16:10 / jlr
Chloroform	7.60	ug/L		0.50		E624	07/15/08 16:10 / jlr
Trihalomethanes, Total	7.60	ug/L		0.50		E624	07/15/08 16:10 / jlr
Surr: 1,2-Dichlorobenzene-d4	111	%REC		80-120		E624	07/15/08 16:10 / jlr
Surr: Dibromofluoromethane	130	%REC	S	80-120		E624	07/15/08 16:10 / jlr
Surr: p-Bromofluorobenzene	108	%REC		80-120		E624	07/15/08 16:10 / jlr
Surr: Toluene-d8	99.0	%REC		80-120		E624	07/15/08 16:10 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-004
Client Sample ID: 808

Report Date: 11/20/08
Collection Date: 10/06/08 11:45
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	1760	mg/L		1		A2320 B	10/13/08 14:38 / ljl
Calcium	729	mg/L		1		E200.7	10/28/08 19:52 / cp
Chloride	166	mg/L		1		A4500-Cl B	10/14/08 08:27 / sp
Magnesium	644	mg/L		1		E200.7	10/28/08 19:52 / cp
Nitrogen, Ammonia as N	ND	mg/L	D	0.1		E350.1	10/16/08 15:36 / eli-b
Nitrogen, Nitrate+Nitrite as N	159	mg/L	D	0.2		E353.2	10/15/08 12:12 / eli-b
Potassium	4	mg/L		1		E200.7	10/28/08 19:52 / cp
Sodium	296	mg/L	D	8		E200.7	10/28/08 19:52 / cp
Sulfate	3010	mg/L	D	60		A4500-SO4 E	10/16/08 13:38 / jal
PHYSICAL PROPERTIES							
pH	6.70	s.u.		0.01		A4500-H B	10/13/08 11:31 / dd
Solids, Total Dissolved TDS @ 180 C	6500	mg/L		10		A2540 C	10/13/08 09:12 / jah
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	10/24/08 06:12 / sml
Beryllium	ND	mg/L		0.01		E200.8	10/24/08 06:12 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/22/08 20:51 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/22/08 20:51 / sml
Lead	ND	mg/L		0.05		E200.8	10/22/08 20:51 / sml
Manganese	0.53	mg/L		0.01		E200.8	10/22/08 20:51 / sml
Molybdenum	ND	mg/L		0.1		E200.8	10/22/08 20:51 / sml
Nickel	ND	mg/L		0.05		E200.8	10/22/08 20:51 / sml
Uranium	0.115	mg/L		0.0003		E200.8	10/22/08 20:51 / sml
Vanadium	ND	mg/L		0.1		E200.8	10/22/08 20:51 / sml
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/21/08 18:00 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/17/08 08:34 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1	pCi/L				E900.1	10/30/08 11:23 / cgr
Gross Alpha minus Rn & U Precision (±)	0.4	pCi/L				E900.1	10/30/08 11:23 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 11:23 / cgr
Lead 210	-2	pCi/L	U			E909.0M	10/27/08 10:08 / dm
Lead 210 precision (±)	2.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Lead 210 MDC	4.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Radium 226	-0.2	pCi/L	U			E903.0	11/10/08 11:33 / trs
Radium 226 precision (±)	0.11	pCi/L				E903.0	11/10/08 11:33 / trs
Radium 226 MDC	0.25	pCi/L				E903.0	11/10/08 11:33 / trs
Radium 228	0.34	pCi/L	U			RA-05	11/03/08 15:38 / plj
Radium 228 precision (±)	0.77	pCi/L				RA-05	11/03/08 15:38 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/03/08 15:38 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-004
Client Sample ID: 808

Report Date: 11/20/08
Collection Date: 10/06/08 11:45
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.1	pCi/L	U	0.2		E907.0	10/29/08 07:54 / dmf
Thorium 230 precision (±)	0.6	pCi/L				E907.0	10/29/08 07:54 / dmf
DATA QUALITY							
A/C Balance (± 5)	-2.55	%				Calculation	11/01/08 10:33 / sdw
Anions	108	meq/L				Calculation	11/01/08 10:33 / sdw
Cations	102	meq/L				Calculation	11/01/08 10:33 / sdw
Solids, Total Dissolved Calculated	6530	mg/L				Calculation	11/01/08 10:33 / sdw
TDS Balance (0.80 - 1.20)	1.00					Calculation	11/01/08 10:33 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/14/08 21:05 / wen
Bromoform	ND	ug/L		0.50		E624	10/14/08 21:05 / wen
Chlorodibromomethane	ND	ug/L		0.50		E624	10/14/08 21:05 / wen
Chloroform	9.44	ug/L		0.50		E624	10/14/08 21:05 / wen
Trihalomethanes, Total	9.44	ug/L		0.50		E624	10/14/08 21:05 / wen
Surr: 1,2-Dichlorobenzene-d4	110	%REC		80-120		E624	10/14/08 21:05 / wen
Surr: Dibromofluoromethane	134	%REC	S	80-120		E624	10/14/08 21:05 / wen
Surr: p-Bromofluorobenzene	108	%REC		80-120		E624	10/14/08 21:05 / wen
Surr: Toluene-d8	100	%REC		80-120		E624	10/14/08 21:05 / wen

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Alluvium Monitor Wells					
Well ID:		808	808	808	808
Collection Date:		10/6/2008	7/7/2008	4/7/2008	1/1/2008
Receive Date:		10/10/2008	7/14/2008	4/11/2008	1/18/2008
Report Date:		11/20/2008	9/4/2008	6/10/2008	4/1/2008
Analyte	Units	C08100471-004	C08070627-004	C08040580-004	C08010860-004
Bicarbonate as HCO3	mg/L	1760	1800	1690	1800
Calcium	mg/L	729	712	739	698
Chloride	mg/L	166	167	162	191
Magnesium	mg/L	644	633	679	620
Nitrogen, Ammonia as N	mg/L	ND(0.1)	ND(0.05)	ND(0.05)	ND(0.05)
Nitrogen, Nitrate+Nitrite as N	mg/L	159	124	134	116
Potassium	mg/L	4	4	7.0	5.6
Sodium	mg/L	296	279	330	292
Sulfate	mg/L	3010	2900	2840	2590
pH	s.u.	6.70	6.77	6.79	6.56
Solids, Total Dissolved TDS @ 180 C	mg/L	6500	6240	6210	6650
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	0.53	0.72	0.66	0.66
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.115	0.119	0.124	0.119
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.003)	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	1.0	1.2	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.4	0.6	0.4	
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.8		
Lead 210	pCi/L	-2	2.0	0.0	ND(1.0)
Lead 210 precision (±)	pCi/L	2.9	4.7	2	
Lead 210 MDC	pCi/L	4.9	7.8		
Radium 226	pCi/L	-0.2	-0.08	-0.2	ND(0.2)
Radium 226 precision (±)	pCi/L	0.11	0.12	0.08	
Radium 226 MDC	pCi/L	0.25	0.23	0.2	
Radium 228	pCi/L	0.34	1.9	0.4	ND(1.0)
Radium 228 precision (±)	pCi/L	0.77	0.81	0.7	
Radium 228 MDC	pCi/L	1.3	1.2	1.1	
Thorium 230	pCi/L	0.1	0.4	0.5	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.6	1.9	1	
A/C Balance (± 5)	%	-2.55	-1.73	3.10	0.852
Anions	meq/L	108	103	101	97.1
Cations	meq/L	102	99.8	107	98.8
Solids, Total Dissolved Calculated	mg/L	6530	6140	6200	5800
TDS Balance (0.80 - 1.20)		1.00	1.02	1.00	1.15
Trihalomethanes, Total	ug/L	9.44	7.60	6.60	7.00

**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: C08070627-008
Client Sample ID: GW-1

Report Date: 09/04/08
Collection Date: 07/07/08 15:45
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	1680	mg/L		1		A2320 B	07/16/08 11:31 / ljl
Calcium	714	mg/L		1		E200.7	08/29/08 15:32 / cp
Chloride	234	mg/L		1		A4500-Cl B	07/24/08 11:37 / sp
Magnesium	636	mg/L		1		E200.7	08/29/08 15:32 / cp
Nitrogen, Ammonia as N	0.41	mg/L		0.05		E350.1	07/23/08 11:53 / eli-b
Nitrogen, Nitrate+Nitrite as N	152	mg/L	D	0.2		E353.2	07/25/08 09:27 / eli-b
Potassium	7	mg/L		1		E200.7	08/29/08 15:32 / cp
Sodium	374	mg/L	D	8		E200.7	08/29/08 15:32 / cp
Sulfate	3160	mg/L	D	60		A4500-SO4 E	07/17/08 14:50 / sp
PHYSICAL PROPERTIES							
pH	6.87	s.u.	H	0.01		A4500-H B	07/15/08 12:31 / sp
Solids, Total Dissolved TDS @ 180 C	6480	mg/L	H	10		A2540 C	07/15/08 14:45 / dd
- The sample was received after the EPA recommended holding time for pH and TDS had expired.							
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	07/28/08 23:55 / cp
Beryllium	ND	mg/L		0.01		E200.8	07/29/08 22:54 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/29/08 22:54 / ts
Cobalt	ND	mg/L		0.01		E200.8	07/29/08 22:54 / ts
Lead	ND	mg/L		0.05		E200.8	07/29/08 22:54 / ts
Manganese	0.04	mg/L		0.01		E200.7	07/28/08 23:55 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/28/08 23:55 / cp
Nickel	ND	mg/L		0.05		E200.8	07/29/08 22:54 / ts
Uranium	0.0967	mg/L		0.0003		E200.8	07/29/08 22:54 / ts
Vanadium	ND	mg/L		0.1		E200.8	07/29/08 22:54 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	07/30/08 14:59 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/06/08 14:20 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	0.9	pCi/L				E900.1	08/02/08 14:55 / crw
Gross Alpha minus Rn & U Precision (±)	0.6	pCi/L				E900.1	08/02/08 14:55 / crw
Gross Alpha minus Rn & U MDC	0.8	pCi/L				E900.1	08/02/08 14:55 / crw
Lead 210	2.7	pCi/L	U			E909.0M	07/25/08 10:35 / dm
Lead 210 precision (±)	4.7	pCi/L				E909.0M	07/25/08 10:35 / dm
Lead 210 MDC	7.8	pCi/L				E909.0M	07/25/08 10:35 / dm
Radium 226	-0.02	pCi/L	U			E903.0	08/12/08 14:55 / trs
Radium 226 precision (±)	0.10	pCi/L				E903.0	08/12/08 14:55 / trs
Radium 226 MDC	0.19	pCi/L				E903.0	08/12/08 14:55 / trs
Radium 228	1.1	pCi/L	U			RA-05	08/07/08 10:37 / plj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08070627-008
Client Sample ID: GW-1

Report Date: 09/04/08
Collection Date: 07/07/08 15:45
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision (±)	0.78	pCi/L				RA-05	08/07/08 10:37 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	08/07/08 10:37 / plj
Thorium 230	-0.1	pCi/L	U	0.2		E907.0	08/10/08 12:36 / dmf
Thorium 230 precision (±)	1.0	pCi/L				E907.0	08/10/08 12:36 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-2.93	%				Calculation	09/02/08 14:35 / sdw
Anions	111	meq/L				Calculation	09/02/08 14:35 / sdw
Cations	104	meq/L				Calculation	09/02/08 14:35 / sdw
Solids, Total Dissolved Calculated	6630	mg/L				Calculation	09/02/08 14:35 / sdw
TDS Balance (0.80 - 1.20)	0.980					Calculation	09/02/08 14:35 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/15/08 22:38 / jlr
Bromoform	ND	ug/L		0.50		E624	07/15/08 22:38 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/15/08 22:38 / jlr
Chloroform	1.56	ug/L		0.50		E624	07/15/08 22:38 / jlr
Trihalomethanes, Total	1.56	ug/L		0.50		E624	07/15/08 22:38 / jlr
Surr: 1,2-Dichlorobenzene-d4	112	%REC		80-120		E624	07/15/08 22:38 / jlr
Surr: Dibromofluoromethane	123	%REC	S	80-120		E624	07/15/08 22:38 / jlr
Surr: p-Bromofluorobenzene	108	%REC		80-120		E624	07/15/08 22:38 / jlr
Surr: Toluene-d8	94.0	%REC		80-120		E624	07/15/08 22:38 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-008
Client Sample ID: GW-1

Report Date: 11/20/08
Collection Date: 10/06/08 15:10
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	1710	mg/L		1		A2320 B	10/13/08 15:23 / ljl
Calcium	705	mg/L		1		E200.7	10/28/08 20:24 / cp
Chloride	223	mg/L		1		A4500-Cl B	10/14/08 08:40 / sp
Magnesium	633	mg/L		1		E200.7	10/28/08 20:24 / cp
Nitrogen, Ammonia as N	0.5	mg/L		0.1		E350.1	10/16/08 15:45 / eli-b
Nitrogen, Nitrate+Nitrite as N	102	mg/L	D	0.2		E353.2	10/15/08 13:50 / eli-b
Potassium	7	mg/L		1		E200.7	10/28/08 20:24 / cp
Sodium	378	mg/L	D	8		E200.7	10/28/08 20:24 / cp
Sulfate	3310	mg/L	D	60		A4500-SO4 E	10/16/08 14:14 / jal
PHYSICAL PROPERTIES							
pH	6.92	s.u.		0.01		A4500-H B	10/13/08 11:55 / dd
Solids, Total Dissolved TDS @ 180 C	6650	mg/L		10		A2540 C	10/13/08 09:14 / jah
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	10/24/08 07:19 / sml
Beryllium	ND	mg/L		0.01		E200.8	10/24/08 07:19 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/22/08 22:00 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/22/08 22:00 / sml
Lead	ND	mg/L		0.05		E200.8	10/22/08 22:00 / sml
Manganese	0.04	mg/L		0.01		E200.8	10/22/08 22:00 / sml
Molybdenum	ND	mg/L		0.1		E200.8	10/22/08 22:00 / sml
Nickel	ND	mg/L		0.05		E200.8	10/22/08 22:00 / sml
Uranium	0.102	mg/L		0.0003		E200.8	10/22/08 22:00 / sml
Vanadium	ND	mg/L		0.1		E200.8	10/22/08 22:00 / sml
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/21/08 18:49 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/17/08 08:43 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.5	pCi/L				E900.1	10/30/08 11:23 / cgr
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	10/30/08 11:23 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 11:23 / cgr
Lead 210	-1	pCi/L	U			E909.0M	10/27/08 10:08 / dm
Lead 210 precision (±)	2.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Lead 210 MDC	4.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Radium 226	0.07	pCi/L	U			E903.0	11/10/08 11:33 / trs
Radium 226 precision (±)	0.13	pCi/L				E903.0	11/10/08 11:33 / trs
Radium 226 MDC	0.21	pCi/L				E903.0	11/10/08 11:33 / trs
Radium 228	0.14	pCi/L	U			RA-05	11/03/08 15:38 / plj
Radium 228 precision (±)	0.76	pCi/L				RA-05	11/03/08 15:38 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/03/08 15:38 / plj

Report Definitions:
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MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-008
Client Sample ID: GW-1

Report Date: 11/20/08
Collection Date: 10/06/08 15:10
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	-0.1	pCi/L	U	0.2		E907.0	10/29/08 12:06 / dmf
Thorium 230 precision (±)	0.6	pCi/L				E907.0	10/29/08 12:06 / dmf
DATA QUALITY							
A/C Balance (± 5)	-3.05	%				Calculation	11/01/08 10:34 / sdw
Anions	110	meq/L				Calculation	11/01/08 10:34 / sdw
Cations	104	meq/L				Calculation	11/01/08 10:34 / sdw
Solids, Total Dissolved Calculated	6680	mg/L				Calculation	11/01/08 10:34 / sdw
TDS Balance (0.80 - 1.20)	1.00					Calculation	11/01/08 10:34 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/14/08 23:42 / wen
Bromoform	ND	ug/L		0.50		E624	10/14/08 23:42 / wen
Chlorodibromomethane	ND	ug/L		0.50		E624	10/14/08 23:42 / wen
Chloroform	1.51	ug/L		0.50		E624	10/14/08 23:42 / wen
Trihalomethanes, Total	1.51	ug/L		0.50		E624	10/14/08 23:42 / wen
Surr: 1,2-Dichlorobenzene-d4	109	%REC		80-120		E624	10/14/08 23:42 / wen
Surr: Dibromofluoromethane	121	%REC	S	80-120		E624	10/14/08 23:42 / wen
Surr: p-Bromofluorobenzene	106	%REC		80-120		E624	10/14/08 23:42 / wen
Surr: Toluene-d8	98.0	%REC		80-120		E624	10/14/08 23:42 / wen

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Alluvium Monitor Wells					
Well ID:		GW-1	GW-1	GW-1	GW-1
Collection Date:		10/6/2008	7/7/2008	4/7/2008	1/14/2008
Receive Date:		10/10/2008	7/14/2008	4/11/2008	1/18/2008
Report Date:		11/20/2008	9/4/2008	6/10/2008	4/1/2008
Analyte	Units	C08100471-008	C08070627-008	C08040580-008	C08010860-008
Bicarbonate as HCO3	mg/L	1710	1680	1620	1630
Calcium	mg/L	705	714	749	714
Chloride	mg/L	223	234	224	270
Magnesium	mg/L	633	636	692	645
Nitrogen, Ammonia as N	mg/L	0.5	0.41	0.5	0.46
Nitrogen, Nitrate+Nitrite as N	mg/L	102	152	160	93
Potassium	mg/L	7	7	9.8	8.1
Sodium	mg/L	378	374	423	393
Sulfate	mg/L	3310	3160	3180	2870
pH	s.u.	6.92	6.87	7.01	6.68
Solids, Total Dissolved TDS @ 180 C	mg/L	6650	6480	6440	6800
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	0.1
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	0.04	0.04	0.05	0.05
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.102	0.0967	0.110	0.0929
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.003)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	1.5	0.9	1.1	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.5	0.6	0.4	
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.8		
Lead 210	pCi/L	-1	2.7	-4.5	ND(1.0)
Lead 210 precision (±)	pCi/L	2.9	4.7	2	
Lead 210 MDC	pCi/L	4.9	7.8		
Radium 226	pCi/L	0.07	-0.02	0.1	ND(0.2)
Radium 226 precision (±)	pCi/L	0.13	0.10	0.1	
Radium 226 MDC	pCi/L	0.21	0.19	0.2	
Radium 228	pCi/L	0.14	1.1	-0.1	ND(1.0)
Radium 228 precision (±)	pCi/L	0.76	0.78	0.6	
Radium 228 MDC	pCi/L	1.3	1.2	1.1	
Thorium 230	pCi/L	-0.1	-0.1	0.2	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.6	1.0	0.5	
A/C Balance (± 5)	%	-3.05	-2.93	1.13	2.59
Anions	meq/L	110	111	111	101
Cations	meq/L	104	104	113	106
Solids, Total Dissolved Calculated	mg/L	6680	6630	6800	6110
TDS Balance (0.80 - 1.20)		1.00	0.980	0.950	1.11
Trihalomethanes, Total	ug/L	1.51	1.56	1.48	0.90

**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: C08070627-007
Client Sample ID: GW-2

Report Date: 09/04/08
Collection Date: 07/07/08 14:50
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	2290	mg/L		1		A2320 B	07/16/08 11:22 / ljl
Calcium	659	mg/L		1		E200.7	08/29/08 15:28 / cp
Chloride	216	mg/L		1		A4500-Cl B	07/24/08 11:35 / sp
Magnesium	962	mg/L		1		E200.7	08/29/08 15:28 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	07/23/08 11:52 / eli-b
Nitrogen, Nitrate+Nitrite as N	11.6	mg/L		0.1		E353.2	07/24/08 15:22 / eli-b
Potassium	12	mg/L		1		E200.7	08/29/08 15:28 / cp
Sodium	368	mg/L	D	8		E200.7	08/29/08 15:28 / cp
Sulfate	4240	mg/L	D	60		A4500-SO4 E	07/17/08 14:46 / sp
PHYSICAL PROPERTIES							
pH	6.57	s.u.	H	0.01		A4500-H B	07/15/08 12:29 / sp
Solids, Total Dissolved TDS @ 180 C	7780	mg/L	H	10		A2540 C	07/15/08 14:44 / dd
- The sample was received after the EPA recommended holding time for pH and TDS had expired.							
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	07/28/08 23:50 / cp
Beryllium	ND	mg/L		0.01		E200.8	07/29/08 22:47 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/29/08 22:47 / ts
Cobalt	ND	mg/L		0.01		E200.8	07/29/08 22:47 / ts
Lead	ND	mg/L		0.05		E200.8	07/29/08 22:47 / ts
Manganese	1.22	mg/L		0.01		E200.7	07/28/08 23:50 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/28/08 23:50 / cp
Nickel	ND	mg/L		0.05		E200.8	07/29/08 22:47 / ts
Uranium	0.0949	mg/L		0.0003		E200.8	07/29/08 22:47 / ts
Vanadium	0.1	mg/L		0.1		E200.7	07/28/08 23:50 / cp
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	07/30/08 14:50 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/06/08 14:18 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	0.6	pCi/L	U			E900.1	08/02/08 14:55 / crw
Gross Alpha minus Rn & U Precision (±)	0.6	pCi/L				E900.1	08/02/08 14:55 / crw
Gross Alpha minus Rn & U MDC	0.8	pCi/L				E900.1	08/02/08 14:55 / crw
Lead 210	0.5	pCi/L	U			E909.0M	07/25/08 10:35 / dm
Lead 210 precision (±)	4.6	pCi/L				E909.0M	07/25/08 10:35 / dm
Lead 210 MDC	7.8	pCi/L				E909.0M	07/25/08 10:35 / dm
Radium 226	-0.02	pCi/L	U			E903.0	08/12/08 14:55 / trs
Radium 226 precision (±)	0.11	pCi/L				E903.0	08/12/08 14:55 / trs
Radium 226 MDC	0.20	pCi/L				E903.0	08/12/08 14:55 / trs
Radium 228	1.9	pCi/L				RA-05	08/07/08 10:37 / plj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08070627-007
Client Sample ID: GW-2

Report Date: 09/04/08
Collection Date: 07/07/08 14:50
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision (±)	0.81	pCi/L				RA-05	08/07/08 10:37 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	08/07/08 10:37 / plj
Thorium 230	-0.4	pCi/L	U	0.2		E907.0	08/10/08 12:36 / dmf
Thorium 230 precision (±)	1.4	pCi/L				E907.0	08/10/08 12:36 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-1.73	%				Calculation	09/02/08 14:35 / sdw
Anions	133	meq/L				Calculation	09/02/08 14:35 / sdw
Cations	128	meq/L				Calculation	09/02/08 14:35 / sdw
Solids, Total Dissolved Calculated	7650	mg/L				Calculation	09/02/08 14:35 / sdw
TDS Balance (0.80 - 1.20)	1.02					Calculation	09/02/08 14:35 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/15/08 21:59 / jlr
Bromoform	ND	ug/L		0.50		E624	07/15/08 21:59 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/15/08 21:59 / jlr
Chloroform	1.53	ug/L		0.50		E624	07/15/08 21:59 / jlr
Trihalomethanes, Total	1.53	ug/L		0.50		E624	07/15/08 21:59 / jlr
Surr: 1,2-Dichlorobenzene-d4	109	%REC		80-120		E624	07/15/08 21:59 / jlr
Surr: Dibromofluoromethane	123	%REC	S	80-120		E624	07/15/08 21:59 / jlr
Surr: p-Bromofluorobenzene	105	%REC		80-120		E624	07/15/08 21:59 / jlr
Surr: Toluene-d8	97.0	%REC		80-120		E624	07/15/08 21:59 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-007
Client Sample ID: GW-2

Report Date: 11/20/08
Collection Date: 10/06/08 14:00
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	2250	mg/L		1		A2320 B	10/13/08 15:14 / ljl
Calcium	635	mg/L		1		E200.7	10/28/08 20:04 / cp
Chloride	209	mg/L		1		A4500-Cl B	10/14/08 08:39 / sp
Magnesium	987	mg/L		1		E200.7	10/28/08 20:04 / cp
Nitrogen, Ammonia as N	ND	mg/L	D	0.1		E350.1	10/16/08 15:42 / eli-b
Nitrogen, Nitrate+Nitrite as N	13.6	mg/L		0.1		E353.2	10/15/08 13:47 / eli-b
Potassium	12	mg/L		1		E200.7	10/28/08 20:04 / cp
Sodium	362	mg/L	D	8		E200.7	10/28/08 20:04 / cp
Sulfate	4380	mg/L	D	60		A4500-SO4 E	10/16/08 14:09 / jal
PHYSICAL PROPERTIES							
pH	6.64	s.u.		0.01		A4500-H B	10/13/08 11:53 / dd
Solids, Total Dissolved TDS @ 180 C	8230	mg/L		10		A2540 C	10/13/08 09:14 / jah
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	10/24/08 06:59 / sml
Beryllium	ND	mg/L		0.01		E200.8	10/24/08 06:59 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/22/08 21:53 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/22/08 21:53 / sml
Lead	ND	mg/L		0.05		E200.8	10/22/08 21:53 / sml
Manganese	1.21	mg/L		0.01		E200.8	10/22/08 21:53 / sml
Molybdenum	ND	mg/L		0.1		E200.8	10/22/08 21:53 / sml
Nickel	ND	mg/L		0.05		E200.8	10/22/08 21:53 / sml
Uranium	0.0964	mg/L		0.0003		E200.8	10/22/08 21:53 / sml
Vanadium	ND	mg/L		0.1		E200.8	10/22/08 21:53 / sml
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/21/08 18:41 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/17/08 08:41 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.2	pCi/L				E900.1	10/30/08 11:23 / cgr
Gross Alpha minus Rn & U Precision (±)	0.4	pCi/L				E900.1	10/30/08 11:23 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 11:23 / cgr
Lead 210	-0.8	pCi/L	U			E909.0M	10/27/08 10:08 / dm
Lead 210 precision (±)	2.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Lead 210 MDC	4.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Radium 226	-0.08	pCi/L	U			E903.0	11/10/08 11:33 / trs
Radium 226 precision (±)	0.1	pCi/L				E903.0	11/10/08 11:33 / trs
Radium 226 MDC	0.19	pCi/L				E903.0	11/10/08 11:33 / trs
Radium 228	0.34	pCi/L	U			RA-05	11/03/08 15:38 / plj
Radium 228 precision (±)	0.78	pCi/L				RA-05	11/03/08 15:38 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/03/08 15:38 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-007
Client Sample ID: GW-2

Report Date: 11/20/08
Collection Date: 10/06/08 14:00
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.1	pCi/L	U	0.2		E907.0	10/29/08 12:06 / dmf
Thorium 230 precision (±)	1.1	pCi/L				E907.0	10/29/08 12:06 / dmf
DATA QUALITY							
A/C Balance (± 5)	-2.30	%				Calculation	11/01/08 10:33 / sdw
Anions	135	meq/L				Calculation	11/01/08 10:33 / sdw
Cations	129	meq/L				Calculation	11/01/08 10:33 / sdw
Solids, Total Dissolved Calculated	7920	mg/L				Calculation	11/01/08 10:33 / sdw
TDS Balance (0.80 - 1.20)	1.04					Calculation	11/01/08 10:33 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/14/08 23:04 / wen
Bromoform	ND	ug/L		0.50		E624	10/14/08 23:04 / wen
Chlorodibromomethane	ND	ug/L		0.50		E624	10/14/08 23:04 / wen
Chloroform	1.33	ug/L		0.50		E624	10/14/08 23:04 / wen
Trihalomethanes, Total	1.33	ug/L		0.50		E624	10/14/08 23:04 / wen
Surr: 1,2-Dichlorobenzene-d4	106	%REC		80-120		E624	10/14/08 23:04 / wen
Surr: Dibromofluoromethane	104	%REC		80-120		E624	10/14/08 23:04 / wen
Surr: p-Bromofluorobenzene	105	%REC		80-120		E624	10/14/08 23:04 / wen
Surr: Toluene-d8	100	%REC		80-120		E624	10/14/08 23:04 / wen

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Alluvium Monitor Wells					
Well ID:		GW-2	GW-2	GW-2	GW-2
Collection Date:		10/6/2008	7/7/2008	4/7/2008	1/14/2008
Receive Date:		10/10/2008	7/14/2008	4/11/2008	1/18/2008
Report Date:		11/20/2008	9/4/2008	6/10/2008	4/1/2008
Analyte	Units	C08100471-007	C08070627-007	C08040580-007	C08010860-007
Bicarbonate as HCO3	mg/L	2250	2290	2190	2330
Calcium	mg/L	635	659	705	667
Chloride	mg/L	209	216	209	236
Magnesium	mg/L	987	962	1030	921
Nitrogen, Ammonia as N	mg/L	ND(0.1)	ND(0.05)	ND(0.05)	ND(0.05)
Nitrogen, Nitrate+Nitrite as N	mg/L	13.6	11.6	12.6	10.0
Potassium	mg/L	12	12	15.8	14.3
Sodium	mg/L	362	368	419	386
Sulfate	mg/L	4380	4240	4190	3720
pH	s.u.	6.64	6.57	6.61	6.59
Solids, Total Dissolved TDS @ 180 C	mg/L	8230	7780	7750	8180
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	1.21	1.22	1.22	1.11
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0964	0.0949	0.111	0.102
Vanadium	mg/L	ND(0.1)	0.1	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.003)	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	0.6	1.0	1.1
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.4	0.6	0.4	0.6
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.8		
Lead 210	pCi/L	-0.8	0.5	-9	ND(1.0)
Lead 210 precision (±)	pCi/L	2.9	4.6	2	
Lead 210 MDC	pCi/L	4.9	7.8		
Radium 226	pCi/L	-0.08	-0.02	0.2	ND(0.2)
Radium 226 precision (±)	pCi/L	0.1	0.11	0.1	
Radium 226 MDC	pCi/L	0.19	0.20	0.2	
Radium 228	pCi/L	0.34	1.9	0.5	ND(1.0)
Radium 228 precision (±)	pCi/L	0.78	0.81	0.7	
Radium 228 MDC	pCi/L	1.3	1.2	1.1	
Thorium 230	pCi/L	0.1	-0.4	-0.2	ND(0.2)
Thorium 230 precision (±)	pCi/L	1.1	1.4	2	
A/C Balance (± 5)	%	-2.30	-1.73	3.27	1.39
Anions	meq/L	135	133	130	123
Cations	meq/L	129	128	139	126
Solids, Total Dissolved Calculated	mg/L	7920	7650	7720	7130
TDS Balance (0.80 - 1.20)		1.04	1.02	1.00	1.15
Trihalomethanes, Total	ug/L	1.33	1.53	1.08	0.74

**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: C08070627-014
Client Sample ID: GW-3

Report Date: 09/04/08
Collection Date: 07/08/08 13:30
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	1500	mg/L		1		A2320 B	07/16/08 12:18 / ljl
Calcium	917	mg/L		1		E200.7	08/29/08 16:21 / cp
Chloride	156	mg/L		1		A4500-Cl B	07/24/08 12:55 / sp
Magnesium	279	mg/L		1		E200.7	08/29/08 16:21 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	07/23/08 12:04 / eli-b
Nitrogen, Nitrate+Nitrite as N	95.3	mg/L	D	0.2		E353.2	07/25/08 09:38 / eli-b
Potassium	9	mg/L		1		E200.7	08/29/08 16:21 / cp
Sodium	282	mg/L	D	8		E200.7	08/29/08 16:21 / cp
Sulfate	2210	mg/L	D	30		A4500-SO4 E	07/17/08 15:33 / sp
PHYSICAL PROPERTIES							
pH	6.69	s.u.		0.01		A4500-H B	07/15/08 12:45 / sp
Solids, Total Dissolved TDS @ 180 C	5130	mg/L		10		A2540 C	07/15/08 14:46 / dd
METALS - TOTAL							
Aluminum	0.2	mg/L		0.1		E200.7	07/29/08 00:19 / cp
Beryllium	ND	mg/L		0.01		E200.8	07/30/08 00:01 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/30/08 00:01 / ts
Cobalt	ND	mg/L		0.01		E200.8	07/30/08 00:01 / ts
Lead	ND	mg/L		0.05		E200.8	07/30/08 00:01 / ts
Manganese	1.82	mg/L		0.01		E200.7	07/29/08 00:19 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/29/08 00:19 / cp
Nickel	ND	mg/L		0.05		E200.8	07/30/08 00:01 / ts
Uranium	0.133	mg/L		0.0003		E200.8	07/30/08 00:01 / ts
Vanadium	ND	mg/L		0.1		E200.8	07/30/08 00:01 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	07/31/08 16:09 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/06/08 14:42 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.1	pCi/L				E900.1	08/02/08 14:55 / crw
Gross Alpha minus Rn & U Precision (±)	0.7	pCi/L				E900.1	08/02/08 14:55 / crw
Gross Alpha minus Rn & U MDC	0.8	pCi/L				E900.1	08/02/08 14:55 / crw
Lead 210	1.3	pCi/L	U			E909.0M	07/25/08 10:35 / dm
Lead 210 precision (±)	4.7	pCi/L				E909.0M	07/25/08 10:35 / dm
Lead 210 MDC	7.8	pCi/L				E909.0M	07/25/08 10:35 / dm
Radium 226	0.22	pCi/L				E903.0	08/12/08 12:59 / trs
Radium 226 precision (±)	0.13	pCi/L				E903.0	08/12/08 12:59 / trs
Radium 226 MDC	0.17	pCi/L				E903.0	08/12/08 12:59 / trs
Radium 228	0.83	pCi/L	U			RA-05	08/07/08 13:01 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08070627-014
Client Sample ID: GW-3

Report Date: 09/04/08
Collection Date: 07/08/08 13:30
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision (±)	0.78	pCi/L				RA-05	08/07/08 13:01 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	08/07/08 13:01 / plj
Thorium 230	0.1	pCi/L	U	0.2		E907.0	08/10/08 12:36 / dmf
Thorium 230 precision (±)	0.4	pCi/L				E907.0	08/10/08 12:36 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-0.344	%				Calculation	09/02/08 14:40 / sdw
Anions	81.7	meq/L				Calculation	09/02/08 14:40 / sdw
Cations	81.2	meq/L				Calculation	09/02/08 14:40 / sdw
Solids, Total Dissolved Calculated	5020	mg/L				Calculation	09/02/08 14:40 / sdw
TDS Balance (0.80 - 1.20)	1.02					Calculation	09/02/08 14:40 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/16/08 02:30 / jlr
Bromoform	ND	ug/L		0.50		E624	07/16/08 02:30 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/16/08 02:30 / jlr
Chloroform	ND	ug/L		0.50		E624	07/16/08 02:30 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	07/16/08 02:30 / jlr
Surr: 1,2-Dichlorobenzene-d4	111	%REC		80-120		E624	07/16/08 02:30 / jlr
Surr: Dibromofluoromethane	126	%REC	S	80-120		E624	07/16/08 02:30 / jlr
Surr: p-Bromofluorobenzene	106	%REC		80-120		E624	07/16/08 02:30 / jlr
Surr: Toluene-d8	97.0	%REC		80-120		E624	07/16/08 02:30 / jlr

Report Definitions:
RL - Analyte reporting limit.
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MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-014
Client Sample ID: GW-3

Report Date: 11/20/08
Collection Date: 10/07/08 13:20
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	1450	mg/L		1		A2320 B	10/13/08 16:28 / ljl
Calcium	918	mg/L		1		E200.7	11/04/08 14:12 / cp
Chloride	149	mg/L		1		A4500-Cl B	11/04/08 12:21 / jal
Magnesium	288	mg/L		1		E200.7	11/04/08 14:12 / cp
Nitrogen, Ammonia as N	ND	mg/L	D	0.1		E350.1	10/16/08 15:52 / eli-b
Nitrogen, Nitrate+Nitrite as N	138	mg/L	D	0.2		E353.2	10/15/08 12:30 / eli-b
Potassium	8	mg/L		1		E200.7	11/04/08 14:12 / cp
Sodium	296	mg/L	D	8		E200.7	11/04/08 14:12 / cp
Sulfate	2390	mg/L	D	60		A4500-SO4 E	10/16/08 14:25 / jal
PHYSICAL PROPERTIES							
pH	6.91	s.u.		0.01		A4500-H B	10/13/08 12:12 / dd
Solids, Total Dissolved TDS @ 180 C	5080	mg/L		10		A2540 C	10/13/08 08:59 / jah
METALS - TOTAL							
Aluminum	0.8	mg/L		0.1		E200.8	10/25/08 18:46 / sml
Beryllium	ND	mg/L		0.01		E200.8	10/24/08 02:38 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/24/08 02:38 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/24/08 02:38 / sml
Lead	ND	mg/L		0.05		E200.8	10/24/08 02:38 / sml
Manganese	1.66	mg/L		0.01		E200.8	10/25/08 16:00 / sml
Molybdenum	ND	mg/L		0.1		E200.8	10/24/08 02:38 / sml
Nickel	ND	mg/L		0.05		E200.8	10/24/08 02:38 / sml
Uranium	0.118	mg/L		0.0003		E200.8	10/24/08 02:38 / sml
Vanadium	ND	mg/L		0.1		E200.8	10/24/08 02:38 / sml
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/21/08 20:03 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/17/08 09:10 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.7	pCi/L				E900.1	10/30/08 15:08 / cgr
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	10/30/08 15:08 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 15:08 / cgr
Lead 210	2.6	pCi/L	U			E909.0M	10/27/08 10:08 / dm
Lead 210 precision (±)	3.0	pCi/L				E909.0M	10/27/08 10:08 / dm
Lead 210 MDC	4.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Radium 226	0.05	pCi/L	U			E903.0	11/10/08 11:34 / trs
Radium 226 precision (±)	0.13	pCi/L				E903.0	11/10/08 11:34 / trs
Radium 226 MDC	0.21	pCi/L				E903.0	11/10/08 11:34 / trs
Radium 228	1.2	pCi/L	U			RA-05	11/04/08 10:04 / plj
Radium 228 precision (±)	0.84	pCi/L				RA-05	11/04/08 10:04 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 10:04 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-014
Client Sample ID: GW-3

Report Date: 11/20/08
Collection Date: 10/07/08 13:20
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.0	pCi/L	U	0.2		E907.0	10/29/08 12:06 / dmf
Thorium 230 precision (±)	0.6	pCi/L				E907.0	10/29/08 12:06 / dmf
DATA QUALITY							
A/C Balance (± 5)	-2.95	%				Calculation	11/20/08 09:06 / sdw
Anions	87.6	meq/L				Calculation	11/20/08 09:06 / sdw
Cations	82.6	meq/L				Calculation	11/20/08 09:06 / sdw
Solids, Total Dissolved Calculated	5400	mg/L				Calculation	11/20/08 09:06 / sdw
TDS Balance (0.80 - 1.20)	0.940					Calculation	11/20/08 09:06 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/15/08 07:03 / wen
Bromoform	ND	ug/L		0.50		E624	10/15/08 07:03 / wen
Chlorodibromomethane	ND	ug/L		0.50		E624	10/15/08 07:03 / wen
Chloroform	ND	ug/L		0.50		E624	10/15/08 07:03 / wen
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/15/08 07:03 / wen
Surr: 1,2-Dichlorobenzene-d4	104	%REC		80-120		E624	10/15/08 07:03 / wen
Surr: Dibromofluoromethane	98.0	%REC		80-120		E624	10/15/08 07:03 / wen
Surr: p-Bromofluorobenzene	106	%REC		80-120		E624	10/15/08 07:03 / wen
Surr: Toluene-d8	98.0	%REC		80-120		E624	10/15/08 07:03 / wen

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Alluvium Monitor Wells					
Well ID:		GW-3	GW-3	GW-3	GW-3
Collection Date:		10/7/2008	7/8/2008	4/8/2008	1/15/2008
Receive Date:		10/10/2008	7/14/2008	4/11/2008	1/18/2008
Report Date:		11/20/2008	9/4/2008	6/10/2008	4/1/2008
Analyte	Units	C08100471-014	C08070627-014	C08040580-014	C08010860-014
Bicarbonate as HCO3	mg/L	1450	1500	1450	1530
Calcium	mg/L	918	917	945	849
Chloride	mg/L	149	156	139	177
Magnesium	mg/L	288	279	311	275
Nitrogen, Ammonia as N	mg/L	ND(0.1)	ND(0.05)	ND(0.1)	ND(0.05)
Nitrogen, Nitrate+Nitrite as N	mg/L	138	95.3	143	88
Potassium	mg/L	8	9	10.6	9.9
Sodium	mg/L	296	282	318	282
Sulfate	mg/L	2390	2210	2250	1970
pH	s.u.	6.91	6.69	6.75	6.73
Solids, Total Dissolved TDS @ 180 C	mg/L	5080	5130	4970	5250
Aluminum	mg/L	0.8	0.2	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	1.66	1.82	1.61	1.42
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	0.133	0.130	0.123
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.003)	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	1.7	1.1	2.1	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.5	0.7	0.5	
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.8		
Lead 210	pCi/L	2.6	1.3	0.0	ND(1.0)
Lead 210 precision (±)	pCi/L	3.0	4.7	2	
Lead 210 MDC	pCi/L	4.9	7.8		
Radium 226	pCi/L	0.05	0.22	0.1	ND(0.2)
Radium 226 precision (±)	pCi/L	0.13	0.13	0.1	
Radium 226 MDC	pCi/L	0.21	0.17	0.2	
Radium 228	pCi/L	1.2	0.83	-0.1	ND(1.0)
Radium 228 precision (±)	pCi/L	0.84	0.78	0.8	
Radium 228 MDC	pCi/L	1.3	1.2	1.3	
Thorium 230	pCi/L	0.0	0.1	-0.3	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.6	0.4	0.5	
A/C Balance (± 5)	%	-2.95	-0.344	1.37	0.150
Anions	meq/L	87.6	81.7	84.6	77.4
Cations	meq/L	82.6	81.2	87.0	77.6
Solids, Total Dissolved Calculated	mg/L	5400	5020	5330	4710
TDS Balance (0.80 - 1.20)		0.940	1.02	0.930	1.11
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

**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: C08070627-002
Client Sample ID: EPA-23

Report Date: 09/04/08
Collection Date: 07/07/08 10:30
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	1230	mg/L		1		A2320 B	07/15/08 21:02 / ljl
Calcium	619	mg/L		1		E200.7	08/29/08 14:07 / cp
Chloride	94	mg/L		1		A4500-Cl B	07/24/08 10:43 / sp
Magnesium	390	mg/L		1		E200.7	08/29/08 14:07 / cp
Nitrogen, Ammonia as N	1.88	mg/L		0.05		E350.1	07/23/08 11:46 / eli-b
Nitrogen, Nitrate+Nitrite as N	13.1	mg/L		0.1		E353.2	07/24/08 13:59 / eli-b
Potassium	10	mg/L		1		E200.7	08/29/08 14:07 / cp
Sodium	137	mg/L	D	8		E200.7	08/29/08 14:07 / cp
Sulfate	2410	mg/L	D	30		A4500-SO4 E	07/17/08 14:16 / sp
PHYSICAL PROPERTIES							
pH	6.79	s.u.	H	0.01		A4500-H B	07/15/08 12:17 / sp
Solids, Total Dissolved TDS @ 180 C	4440	mg/L	H	10		A2540 C	07/15/08 14:43 / dd
- The sample was received after the EPA recommended holding time for pH and TDS had expired.							
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	07/28/08 23:18 / cp
Beryllium	ND	mg/L		0.01		E200.8	07/29/08 22:13 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/29/08 22:13 / ts
Cobalt	ND	mg/L		0.01		E200.8	07/29/08 22:13 / ts
Lead	ND	mg/L		0.05		E200.8	07/29/08 22:13 / ts
Manganese	5.20	mg/L		0.01		E200.7	07/28/08 23:18 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/28/08 23:18 / cp
Nickel	ND	mg/L		0.05		E200.8	07/29/08 22:13 / ts
Uranium	0.0287	mg/L		0.0003		E200.8	07/29/08 22:13 / ts
Vanadium	ND	mg/L		0.1		E200.8	07/29/08 22:13 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	07/30/08 13:43 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/06/08 14:03 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	0.9	pCi/L				E900.1	08/02/08 14:51 / crw
Gross Alpha minus Rn & U Precision (±)	0.6	pCi/L				E900.1	08/02/08 14:51 / crw
Gross Alpha minus Rn & U MDC	0.8	pCi/L				E900.1	08/02/08 14:51 / crw
Lead 210	2.4	pCi/L	U			E909.0M	07/25/08 10:35 / dm
Lead 210 precision (±)	4.7	pCi/L				E909.0M	07/25/08 10:35 / dm
Lead 210 MDC	7.8	pCi/L				E909.0M	07/25/08 10:35 / dm
Radium 226	0.09	pCi/L	U			E903.0	08/12/08 14:55 / trs
Radium 226 precision (±)	0.14	pCi/L				E903.0	08/12/08 14:55 / trs
Radium 226 MDC	0.22	pCi/L				E903.0	08/12/08 14:55 / trs
Radium 228	0.94	pCi/L	U			RA-05	08/07/08 10:37 / plj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08070627-002
Client Sample ID: EPA-23

Report Date: 09/04/08
Collection Date: 07/07/08 10:30
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision (±)	0.77	pCi/L				RA-05	08/07/08 10:37 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	08/07/08 10:37 / plj
Thorium 230	0.0	pCi/L	U	0.2		E907.0	08/08/08 23:57 / dmf
Thorium 230 precision (±)	0.3	pCi/L				E907.0	08/08/08 23:57 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-3.17	%				Calculation	09/02/08 14:09 / sdw
Anions	73.9	meq/L				Calculation	09/02/08 14:09 / sdw
Cations	69.3	meq/L				Calculation	09/02/08 14:09 / sdw
Solids, Total Dissolved Calculated	4330	mg/L				Calculation	09/02/08 14:09 / sdw
TDS Balance (0.80 - 1.20)	1.03					Calculation	09/02/08 14:09 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/15/08 14:52 / jlr
Bromoform	ND	ug/L		0.50		E624	07/15/08 14:52 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/15/08 14:52 / jlr
Chloroform	ND	ug/L		0.50		E624	07/15/08 14:52 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	07/15/08 14:52 / jlr
Surr: 1,2-Dichlorobenzene-d4	105	%REC		80-120		E624	07/15/08 14:52 / jlr
Surr: Dibromofluoromethane	105	%REC		80-120		E624	07/15/08 14:52 / jlr
Surr: p-Bromofluorobenzene	103	%REC		80-120		E624	07/15/08 14:52 / jlr
Surr: Toluene-d8	97.0	%REC		80-120		E624	07/15/08 14:52 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-002
Client Sample ID: EPA-23

Report Date: 11/20/08
Collection Date: 10/06/08 09:50
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	1170	mg/L		1		A2320 B	10/13/08 14:20 / ljl
Calcium	656	mg/L		1		E200.7	10/28/08 19:40 / cp
Chloride	85	mg/L		1		A4500-Cl B	10/14/08 08:25 / sp
Magnesium	391	mg/L		1		E200.7	10/28/08 19:40 / cp
Nitrogen, Ammonia as N	2.8	mg/L		0.1		E350.1	10/16/08 15:34 / eli-b
Nitrogen, Nitrate+Nitrite as N	22.3	mg/L		0.1		E353.2	10/15/08 12:09 / eli-b
Potassium	10	mg/L		1		E200.7	10/28/08 19:40 / cp
Sodium	147	mg/L	D	8		E200.7	10/28/08 19:40 / cp
Sulfate	2450	mg/L	D	60		A4500-SO4 E	10/16/08 13:35 / jal
PHYSICAL PROPERTIES							
pH	6.97	s.u.		0.01		A4500-H B	10/13/08 11:25 / dd
Solids, Total Dissolved TDS @ 180 C	4530	mg/L		10		A2540 C	10/13/08 09:12 / jah
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	10/25/08 15:40 / sml
Beryllium	ND	mg/L		0.01		E200.8	10/24/08 02:18 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/24/08 02:18 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/24/08 02:18 / sml
Lead	ND	mg/L		0.05		E200.8	10/24/08 02:18 / sml
Manganese	4.54	mg/L		0.01		E200.8	10/25/08 15:40 / sml
Molybdenum	ND	mg/L		0.1		E200.8	10/24/08 02:18 / sml
Nickel	ND	mg/L		0.05		E200.8	10/24/08 02:18 / sml
Uranium	0.0336	mg/L		0.0003		E200.8	10/24/08 02:18 / sml
Vanadium	ND	mg/L		0.1		E200.8	10/24/08 02:18 / sml
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/21/08 17:44 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/17/08 08:17 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.3	pCi/L				E900.1	10/30/08 11:23 / cgr
Gross Alpha minus Rn & U Precision (±)	0.4	pCi/L				E900.1	10/30/08 11:23 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 11:23 / cgr
Lead 210	-0.1	pCi/L	U			E909.0M	10/27/08 10:08 / dm
Lead 210 precision (±)	2.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Lead 210 MDC	4.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Radium 226	0.02	pCi/L	U			E903.0	11/10/08 11:33 / trs
Radium 226 precision (±)	0.13	pCi/L				E903.0	11/10/08 11:33 / trs
Radium 226 MDC	0.22	pCi/L				E903.0	11/10/08 11:33 / trs
Radium 228	-0.004	pCi/L	U			RA-05	11/03/08 15:38 / plj
Radium 228 precision (±)	0.76	pCi/L				RA-05	11/03/08 15:38 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/03/08 15:38 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-002
Client Sample ID: EPA-23

Report Date: 11/20/08
Collection Date: 10/06/08 09:50
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.4	pCi/L		0.2		E907.0	10/29/08 07:54 / dmf
Thorium 230 precision (±)	0.5	pCi/L				E907.0	10/29/08 07:54 / dmf
DATA QUALITY							
A/C Balance (± 5)	-1.72	%				Calculation	11/01/08 10:32 / sdw
Anions	74.3	meq/L				Calculation	11/01/08 10:32 / sdw
Cations	71.8	meq/L				Calculation	11/01/08 10:32 / sdw
Solids, Total Dissolved Calculated	4560	mg/L				Calculation	11/01/08 10:32 / sdw
TDS Balance (0.80 - 1.20)	0.990					Calculation	11/01/08 10:32 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/14/08 19:48 / wen
Bromoform	ND	ug/L		0.50		E624	10/14/08 19:48 / wen
Chlorodibromomethane	ND	ug/L		0.50		E624	10/14/08 19:48 / wen
Chloroform	ND	ug/L		0.50		E624	10/14/08 19:48 / wen
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/14/08 19:48 / wen
Surr: 1,2-Dichlorobenzene-d4	105	%REC		80-120		E624	10/14/08 19:48 / wen
Surr: Dibromofluoromethane	95.0	%REC		80-120		E624	10/14/08 19:48 / wen
Surr: p-Bromofluorobenzene	109	%REC		80-120		E624	10/14/08 19:48 / wen
Surr: Toluene-d8	99.0	%REC		80-120		E624	10/14/08 19:48 / wen

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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UNC Mining and Milling ChurchRock Operations

GroundWater Monitoring Summary: Alluvium Monitor Wells

Well ID:		EPA-23	EPA-23	EPA-23	EPA-23
Collection Date:		10/6/2008	7/7/2008	4/7/2008	1/14/2008
Receive Date:		10/10/2008	7/14/2008	4/11/2008	1/18/2008
Report Date:		11/20/2008	9/4/2008	6/10/2008	4/1/2008
Analyte	Units	C08100471-002	C08070627-002	C08040580-002	C08010860-002
Bicarbonate as HCO3	mg/L	1170	1230	1100	1230
Calcium	mg/L	656	619	683	622
Chloride	mg/L	85	94	89	123
Magnesium	mg/L	391	390	429	404
Nitrogen, Ammonia as N	mg/L	2.8	1.88	0.29	5.67
Nitrogen, Nitrate+Nitrite as N	mg/L	22.3	13.1	4.1	21.2
Potassium	mg/L	10	10	11.2	12.3
Sodium	mg/L	147	137	162	154
Sulfate	mg/L	2450	2410	2430	2200
pH	s.u.	6.97	6.79	6.84	6.62
Solids, Total Dissolved TDS @ 180 C	mg/L	4530	4440	4300	4910
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	4.54	5.20	5.04	4.29
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	0.0336	0.0287	0.0303	0.0316
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.003)	ND(0.001)	0.001
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	0.001
Gross Alpha minus Rn & U	pCi/L	1.3	0.9	1.0	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.4	0.6	0.4	
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.8		
Lead 210	pCi/L	-0.1	2.4	0.0	ND(1.0)
Lead 210 precision (±)	pCi/L	2.9	4.7	1	
Lead 210 MDC	pCi/L	4.9	7.8		
Radium 226	pCi/L	0.02	0.09	0.1	ND(0.2)
Radium 226 precision (±)	pCi/L	0.13	0.14	0.1	
Radium 226 MDC	pCi/L	0.22	0.22	0.2	
Radium 228	pCi/L	-0.004	0.94	0.3	ND(1.0)
Radium 228 precision (±)	pCi/L	0.76	0.77	0.7	
Radium 228 MDC	pCi/L	1.3	1.2	1.1	
Thorium 230	pCi/L	0.4	0.0	0.4	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.5	0.3	0.8	
A/C Balance (± 5)	%	-1.72	-3.17	4.42	0.672
Anions	meq/L	74.3	73.9	71.2	71.0
Cations	meq/L	71.8	69.3	77.8	72.0
Solids, Total Dissolved Calculated	mg/L	4560	4330	4390	4220
TDS Balance (0.80 - 1.20)		0.990	1.03	0.980	1.16
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

****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: C08070627-015
Client Sample ID: EPA-25

Report Date: 09/04/08
Collection Date: 07/08/08 14:25
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	1040	mg/L		1		A2320 B	07/16/08 12:32 / ljl
Calcium	723	mg/L		1		E200.7	08/29/08 16:25 / cp
Chloride	71	mg/L		1		A4500-Cl B	07/24/08 13:44 / sp
Magnesium	214	mg/L		1		E200.7	08/29/08 16:25 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	07/23/08 12:05 / eli-b
Nitrogen, Nitrate+Nitrite as N	88.7	mg/L	D	0.2		E353.2	07/25/08 09:40 / eli-b
Potassium	7	mg/L		1		E200.7	08/29/08 16:25 / cp
Sodium	157	mg/L	D	8		E200.7	08/29/08 16:25 / cp
Sulfate	1770	mg/L	D	30		A4500-SO4 E	07/17/08 15:37 / sp
PHYSICAL PROPERTIES							
pH	7.39	s.u.		0.01		A4500-H B	07/15/08 12:48 / sp
Solids, Total Dissolved TDS @ 180 C	4160	mg/L		10		A2540 C	07/15/08 14:46 / dd
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	07/29/08 00:35 / cp
Beryllium	ND	mg/L		0.01		E200.8	07/30/08 00:08 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/30/08 00:08 / ts
Cobalt	ND	mg/L		0.01		E200.8	07/30/08 00:08 / ts
Lead	ND	mg/L		0.05		E200.8	07/30/08 00:08 / ts
Manganese	2.45	mg/L		0.01		E200.7	07/29/08 00:35 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/29/08 00:35 / cp
Nickel	ND	mg/L		0.05		E200.8	07/30/08 00:08 / ts
Uranium	0.104	mg/L		0.0003		E200.8	07/30/08 00:08 / ts
Vanadium	ND	mg/L		0.1		E200.8	07/30/08 00:08 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	07/31/08 16:35 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/06/08 14:44 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	0.3	pCi/L	U			E900.1	08/02/08 14:55 / crw
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	08/02/08 14:55 / crw
Gross Alpha minus Rn & U MDC	0.8	pCi/L				E900.1	08/02/08 14:55 / crw
Lead 210	2.5	pCi/L	U			E909.0M	07/25/08 10:35 / dm
Lead 210 precision (±)	4.7	pCi/L				E909.0M	07/25/08 10:35 / dm
Lead 210 MDC	7.8	pCi/L				E909.0M	07/25/08 10:35 / dm
Radium 226	0.21	pCi/L				E903.0	08/12/08 12:59 / trs
Radium 226 precision (±)	0.14	pCi/L				E903.0	08/12/08 12:59 / trs
Radium 226 MDC	0.19	pCi/L				E903.0	08/12/08 12:59 / trs
Radium 228	1.5	pCi/L				RA-05	08/07/08 13:01 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08070627-015
Client Sample ID: EPA-25

Report Date: 09/04/08
Collection Date: 07/08/08 14:25
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision (±)	0.81	pCi/L				RA-05	08/07/08 13:01 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	08/07/08 13:01 / plj
Thorium 230	0.0	pCi/L	U	0.2		E907.0	08/10/08 12:36 / dmf
Thorium 230 precision (±)	0.3	pCi/L				E907.0	08/10/08 12:36 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-1.18	%				Calculation	09/02/08 14:41 / sdw
Anions	62.2	meq/L				Calculation	09/02/08 14:41 / sdw
Cations	60.7	meq/L				Calculation	09/02/08 14:41 / sdw
Solids, Total Dissolved Calculated	3850	mg/L				Calculation	09/02/08 14:41 / sdw
TDS Balance (0.80 - 1.20)	1.08					Calculation	09/02/08 14:41 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/16/08 03:09 / jlr
Bromoform	ND	ug/L		0.50		E624	07/16/08 03:09 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/16/08 03:09 / jlr
Chloroform	ND	ug/L		0.50		E624	07/16/08 03:09 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	07/16/08 03:09 / jlr
Surr: 1,2-Dichlorobenzene-d4	110	%REC		80-120		E624	07/16/08 03:09 / jlr
Surr: Dibromofluoromethane	123	%REC	S	80-120		E624	07/16/08 03:09 / jlr
Surr: p-Bromofluorobenzene	104	%REC		80-120		E624	07/16/08 03:09 / jlr
Surr: Toluene-d8	95.0	%REC		80-120		E624	07/16/08 03:09 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-015
Client Sample ID: EPA-25

Report Date: 11/20/08
Collection Date: 10/07/08 14:15
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	921	mg/L		1		A2320 B	10/13/08 16:35 / ljl
Calcium	686	mg/L		1		E200.7	11/04/08 14:16 / cp
Chloride	85	mg/L		1		A4500-Cl B	11/04/08 12:22 / jal
Magnesium	231	mg/L		1		E200.7	11/04/08 14:16 / cp
Nitrogen, Ammonia as N	0.2	mg/L		0.1		E350.1	10/16/08 15:53 / eli-b
Nitrogen, Nitrate+Nitrite as N	106	mg/L	D	0.2		E353.2	10/15/08 12:24 / eli-b
Potassium	7	mg/L		1		E200.7	11/04/08 14:16 / cp
Sodium	168	mg/L	D	8		E200.7	11/04/08 14:16 / cp
Sulfate	2010	mg/L	D	60		A4500-SO4 E	10/16/08 14:26 / jal
PHYSICAL PROPERTIES							
pH	7.11	s.u.		0.01		A4500-H B	10/13/08 12:16 / dd
Solids, Total Dissolved TDS @ 180 C	4000	mg/L		10		A2540 C	10/14/08 08:31 / jah
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	10/24/08 08:12 / sml
Beryllium	ND	mg/L		0.01		E200.8	10/24/08 08:12 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/22/08 22:27 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/22/08 22:27 / sml
Lead	ND	mg/L		0.05		E200.8	10/22/08 22:27 / sml
Manganese	1.40	mg/L		0.01		E200.8	10/22/08 22:27 / sml
Molybdenum	ND	mg/L		0.1		E200.8	10/22/08 22:27 / sml
Nickel	ND	mg/L		0.05		E200.8	10/22/08 22:27 / sml
Uranium	0.0996	mg/L		0.0003		E200.8	10/22/08 22:27 / sml
Vanadium	ND	mg/L		0.1		E200.8	10/22/08 22:27 / sml
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/21/08 20:11 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/17/08 09:12 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.4	pCi/L				E900.1	10/30/08 15:08 / cgr
Gross Alpha minus Rn & U Precision (±)	0.4	pCi/L				E900.1	10/30/08 15:08 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 15:08 / cgr
Lead 210	-2	pCi/L	U			E909.0M	10/27/08 10:08 / dm
Lead 210 precision (±)	2.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Lead 210 MDC	4.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Radium 226	-0.09	pCi/L	U			E903.0	11/10/08 11:34 / trs
Radium 226 precision (±)	0.09	pCi/L				E903.0	11/10/08 11:34 / trs
Radium 226 MDC	0.19	pCi/L				E903.0	11/10/08 11:34 / trs
Radium 228	0.25	pCi/L	U			RA-05	11/04/08 10:04 / plj
Radium 228 precision (±)	0.80	pCi/L				RA-05	11/04/08 10:04 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 10:04 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-015
Client Sample ID: EPA-25

Report Date: 11/20/08
Collection Date: 10/07/08 14:15
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	-0.1	pCi/L	U	0.2		E907.0	10/29/08 12:06 / dmf
Thorium 230 precision (±)	0.5	pCi/L				E907.0	10/29/08 12:06 / dmf
DATA QUALITY							
A/C Balance (± 5)	-4.86	%				Calculation	11/20/08 09:07 / sdw
Anions	66.9	meq/L				Calculation	11/20/08 09:07 / sdw
Cations	60.7	meq/L				Calculation	11/20/08 09:07 / sdw
Solids, Total Dissolved Calculated	4130	mg/L				Calculation	11/20/08 09:07 / sdw
TDS Balance (0.80 - 1.20)	0.970					Calculation	11/20/08 09:07 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/15/08 07:42 / wen
Bromoform	ND	ug/L		0.50		E624	10/15/08 07:42 / wen
Chlorodibromomethane	ND	ug/L		0.50		E624	10/15/08 07:42 / wen
Chloroform	ND	ug/L		0.50		E624	10/15/08 07:42 / wen
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/15/08 07:42 / wen
Surr: 1,2-Dichlorobenzene-d4	105	%REC		80-120		E624	10/15/08 07:42 / wen
Surr: Dibromofluoromethane	106	%REC		80-120		E624	10/15/08 07:42 / wen
Surr: p-Bromofluorobenzene	103	%REC		80-120		E624	10/15/08 07:42 / wen
Surr: Toluene-d8	100	%REC		80-120		E624	10/15/08 07:42 / wen

Report Definitions:
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QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Alluvium Monitor Wells					
Well ID:		EPA-25	EPA-25	EPA-25	EPA-25
Collection Date:		10/7/2008	7/8/2008	4/8/2008	1/15/2008
Receive Date:		10/10/2008	7/14/2008	4/11/2008	1/18/2008
Report Date:		11/20/2008	9/4/2008	6/10/2008	4/1/2008
Analyte	Units	C08100471-015	C08070627-015	C08040580-015	C08010860-015
Bicarbonate as HCO3	mg/L	921	1040	994	952
Calcium	mg/L	686	723	803	736
Chloride	mg/L	85	71	92	125
Magnesium	mg/L	231	214	256	227
Nitrogen, Ammonia as N	mg/L	0.2	ND(0.05)	ND(0.1)	ND(0.05)
Nitrogen, Nitrate+Nitrite as N	mg/L	106	88.7	134	87
Potassium	mg/L	7	7	8.2	9.0
Sodium	mg/L	168	157	195	172
Sulfate	mg/L	2010	1770	1860	1670
pH	s.u.	7.11	7.39	7.16	7.08
Solids, Total Dissolved TDS @ 180 C	mg/L	4000	4160	3890	4150
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	1.40	2.45	2.32	2.06
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	0.0996	0.104	0.113	0.103
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.003)	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	0.3	0.9	1.2
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.4	0.5	0.3	0.6
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.8		
Lead 210	pCi/L	-2	2.5	-13.5	ND(1.0)
Lead 210 precision (±)	pCi/L	2.9	4.7	2	
Lead 210 MDC	pCi/L	4.9	7.8		
Radium 226	pCi/L	-0.09	0.21	0.1	ND(0.2)
Radium 226 precision (±)	pCi/L	0.09	0.14	0.1	
Radium 226 MDC	pCi/L	0.19	0.19	0.2	
Radium 228	pCi/L	0.25	1.5	-0.5	ND(1.0)
Radium 228 precision (±)	pCi/L	0.80	0.81	0.8	
Radium 228 MDC	pCi/L	1.3	1.3	1.3	
Thorium 230	pCi/L	-0.1	0.0	0.4	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.5	0.3	0.8	
A/C Balance (± 5)	%	-4.86	-1.18	2.04	2.52
Anions	meq/L	66.9	62.2	67.2	60.1
Cations	meq/L	60.7	60.7	70.0	63.3
Solids, Total Dissolved Calculated	mg/L	4130	3850	4320	3800
TDS Balance (0.80 - 1.20)		0.970	1.08	0.900	1.09
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

**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: C08070627-012
Client Sample ID: EPA-28

Revised Date: 11/03/08
Report Date: 09/04/08
Collection Date: 07/08/08 10:25
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	715	mg/L		1		A2320 B	07/16/08 12:02 / ljl
Calcium	542	mg/L		1		E200.7	08/29/08 15:49 / cp
Chloride	121	mg/L		1		A4500-Cl B	07/24/08 12:46 / sp
Magnesium	492	mg/L		1		E200.7	08/29/08 15:49 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	07/23/08 12:01 / eli-b
Nitrogen, Nitrate+Nitrite as N	32.9	mg/L	D	0.2		E353.2	07/25/08 09:36 / eli-b
Potassium	11	mg/L		1		E200.7	08/29/08 15:49 / cp
Sodium	203	mg/L	D	8		E200.7	08/29/08 15:49 / cp
Sulfate	2830	mg/L	D	30		A4500-SO4 E	07/17/08 15:10 / sp
PHYSICAL PROPERTIES							
pH	7.30	s.u.		0.01		A4500-H B	07/15/08 12:43 / sp
Solids, Total Dissolved TDS @ 180 C	4870	mg/L		10		A2540 C	07/15/08 14:46 / dd
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	07/29/08 00:11 / cp
Beryllium	ND	mg/L		0.01		E200.8	07/29/08 23:48 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/29/08 23:48 / ts
Cobalt	ND	mg/L		0.01		E200.8	07/29/08 23:48 / ts
Lead	ND	mg/L		0.05		E200.8	07/29/08 23:48 / ts
Manganese	0.62	mg/L		0.01		E200.7	07/29/08 00:11 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/29/08 00:11 / cp
Nickel	ND	mg/L		0.05		E200.8	07/29/08 23:48 / ts
Uranium	0.0402	mg/L		0.0003		E200.8	07/29/08 23:48 / ts
Vanadium	ND	mg/L		0.1		E200.8	07/29/08 23:48 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	07/31/08 15:43 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/06/08 14:32 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	0.4	pCi/L	U			E900.1	08/02/08 14:55 / crw
Gross Alpha minus Rn & U Precision (±)	0.6	pCi/L				E900.1	08/02/08 14:55 / crw
Gross Alpha minus Rn & U MDC	0.8	pCi/L				E900.1	08/02/08 14:55 / crw
Lead 210	0.1	pCi/L	U			E909.0M	07/25/08 10:35 / dm
Lead 210 precision (±)	4.6	pCi/L				E909.0M	07/25/08 10:35 / dm
Lead 210 MDC	7.8	pCi/L				E909.0M	07/25/08 10:35 / dm
Radium 226	0.58	pCi/L				E903.0	08/12/08 12:59 / trs
Radium 226 precision (±)	0.18	pCi/L				E903.0	08/12/08 12:59 / trs
Radium 226 MDC	0.16	pCi/L				E903.0	08/12/08 12:59 / trs
Radium 228	1.2	pCi/L	U			RA-05	08/07/08 13:01 / plj
Radium 228 precision (±)	0.80	pCi/L				RA-05	08/07/08 13:01 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	08/07/08 13:01 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08070627-012
Client Sample ID: EPA-28

Revised Date: 11/03/08
Report Date: 09/04/08
Collection Date: 07/08/08 10:25
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.4	pCi/L		0.2		E907.0	08/10/08 12:36 / dmf
Thorium 230 precision (±)	0.7	pCi/L				E907.0	08/10/08 12:36 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	0.221	%				Calculation	09/02/08 14:39 / sdw
Anions	76.3	meq/L				Calculation	09/02/08 14:39 / sdw
Cations	76.7	meq/L				Calculation	09/02/08 14:39 / sdw
Solids, Total Dissolved Calculated	4700	mg/L				Calculation	09/02/08 14:39 / sdw
TDS Balance (0.80 - 1.20)	1.04					Calculation	09/02/08 14:39 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/16/08 01:12 / jlr
Bromoform	ND	ug/L		0.50		E624	07/16/08 01:12 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/16/08 01:12 / jlr
Chloroform	ND	ug/L		0.50		E624	07/16/08 01:12 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	07/16/08 01:12 / jlr
Surr: 1,2-Dichlorobenzene-d4	111	%REC		80-120		E624	07/16/08 01:12 / jlr
Surr: Dibromofluoromethane	128	%REC	S	80-120		E624	07/16/08 01:12 / jlr
Surr: p-Bromofluorobenzene	104	%REC		80-120		E624	07/16/08 01:12 / jlr
Surr: Toluene-d8	97.0	%REC		80-120		E624	07/16/08 01:12 / jlr

Report Definitions:
RL - Analyte reporting limit.
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MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-012
Client Sample ID: EPA-28

Report Date: 11/20/08
Collection Date: 10/07/08 10:25
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	785	mg/L		1		A2320 B	10/13/08 16:13 / ljl
Calcium	546	mg/L		1		E200.7	10/28/08 20:50 / cp
Chloride	110	mg/L		1		A4500-Cl B	10/14/08 08:45 / sp
Magnesium	478	mg/L		1		E200.7	10/28/08 20:50 / cp
Nitrogen, Ammonia as N	0.2	mg/L		0.1		E350.1	10/16/08 15:49 / eli-b
Nitrogen, Nitrate+Nitrite as N	51.8	mg/L		0.1		E353.2	10/15/08 12:31 / eli-b
Potassium	11	mg/L		1		E200.7	10/28/08 20:50 / cp
Sodium	204	mg/L	D	8		E200.7	10/28/08 20:50 / cp
Sulfate	3060	mg/L	D	60		A4500-SO4 E	10/16/08 14:22 / jal
PHYSICAL PROPERTIES							
pH	7.05	s.u.		0.01		A4500-H B	10/13/08 12:06 / dd
Solids, Total Dissolved TDS @ 180 C	4990	mg/L		10		A2540 C	10/13/08 08:56 / jah
METALS - TOTAL							
Aluminum	0.2	mg/L		0.1		E200.8	10/25/08 15:46 / sml
Beryllium	ND	mg/L		0.01		E200.8	10/24/08 02:24 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/24/08 02:24 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/24/08 02:24 / sml
Lead	ND	mg/L		0.05		E200.8	10/24/08 02:24 / sml
Manganese	0.68	mg/L		0.01		E200.8	10/25/08 15:46 / sml
Molybdenum	ND	mg/L		0.1		E200.8	10/24/08 02:24 / sml
Nickel	ND	mg/L		0.05		E200.8	10/24/08 02:24 / sml
Uranium	0.0476	mg/L		0.0003		E200.8	10/24/08 02:24 / sml
Vanadium	ND	mg/L		0.1		E200.8	10/24/08 02:24 / sml
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/21/08 19:47 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/17/08 09:06 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	0.6	pCi/L	U			E900.1	11/14/08 18:40 / cgr
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	11/14/08 18:40 / cgr
Gross Alpha minus Rn & U MDC	0.7	pCi/L				E900.1	11/14/08 18:40 / cgr
Lead 210	-0.6	pCi/L	U			E909.0M	10/27/08 10:08 / dm
Lead 210 precision (±)	2.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Lead 210 MDC	4.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Radium 226	0.20	pCi/L				E903.0	11/10/08 11:34 / trs
Radium 226 precision (±)	0.14	pCi/L				E903.0	11/10/08 11:34 / trs
Radium 226 MDC	0.19	pCi/L				E903.0	11/10/08 11:34 / trs
Radium 228	1.0	pCi/L	U			RA-05	11/04/08 10:04 / plj
Radium 228 precision (±)	0.83	pCi/L				RA-05	11/04/08 10:04 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 10:04 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-012
Client Sample ID: EPA-28

Report Date: 11/20/08
Collection Date: 10/07/08 10:25
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	-0.5	pCi/L	U	0.2		E907.0	10/29/08 12:06 / dmf
Thorium 230 precision (±)	0.7	pCi/L				E907.0	10/29/08 12:06 / dmf
DATA QUALITY							
A/C Balance (± 5)	-4.80	%				Calculation	11/01/08 10:34 / sdw
Anions	83.4	meq/L				Calculation	11/01/08 10:34 / sdw
Cations	75.8	meq/L				Calculation	11/01/08 10:34 / sdw
Solids, Total Dissolved Calculated	5150	mg/L				Calculation	11/01/08 10:34 / sdw
TDS Balance (0.80 - 1.20)	0.970					Calculation	11/01/08 10:34 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/15/08 05:41 / wen
Bromoform	ND	ug/L		0.50		E624	10/15/08 05:41 / wen
Chlorodibromomethane	ND	ug/L		0.50		E624	10/15/08 05:41 / wen
Chloroform	ND	ug/L		0.50		E624	10/15/08 05:41 / wen
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/15/08 05:41 / wen
Surr: 1,2-Dichlorobenzene-d4	105	%REC		80-120		E624	10/15/08 05:41 / wen
Surr: Dibromofluoromethane	102	%REC		80-120		E624	10/15/08 05:41 / wen
Surr: p-Bromofluorobenzene	104	%REC		80-120		E624	10/15/08 05:41 / wen
Surr: Toluene-d8	97.0	%REC		80-120		E624	10/15/08 05:41 / wen

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Alluvium Monitor Wells					
Well ID:		EPA-28	EPA-28	EPA-28	EPA-28
Collection Date:		10/7/2008	7/8/2008	4/8/2008	1/15/2008
Receive Date:		10/10/2008	7/14/2008	4/11/2008	1/18/2008
Report Date:		11/20/2008	9/4/2008	6/10/2008	4/1/2008
Analyte	Units	C08100471-012	C08070627-012	C08040580-012	C08010860-011
Bicarbonate as HCO3	mg/L	785	715	722	752
Calcium	mg/L	546	542	578	534
Chloride	mg/L	110	121	114	148
Magnesium	mg/L	478	492	546	485
Nitrogen, Ammonia as N	mg/L	0.2	ND(0.05)	ND(0.1)	ND(0.05)
Nitrogen, Nitrate+Nitrite as N	mg/L	51.8	32.9	48.5	34.6
Potassium	mg/L	11	11	13.0	13.6
Sodium	mg/L	204	203	244	215
Sulfate	mg/L	3060	2830	2920	2670
pH	s.u.	7.05	7.30	7.08	6.93
Solids, Total Dissolved TDS @ 180 C	mg/L	4990	4870	4930	5190
Aluminum	mg/L	0.2	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	0.68	0.62	0.60	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	0.0476	0.0402	0.0445	0.0429
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.003)	ND(0.001)	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	0.6	0.4	1.5	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.5	0.6	0.4	
Gross Alpha minus Rn & U MDC	pCi/L	0.7	0.8		
Lead 210	pCi/L	-0.6	0.1	-4.5	ND(1.0)
Lead 210 precision (±)	pCi/L	2.9	4.6	2	
Lead 210 MDC	pCi/L	4.9	7.8		
Radium 226	pCi/L	0.20	0.58	0.1	0.6
Radium 226 precision (±)	pCi/L	0.14	0.18	0.1	0.3
Radium 226 MDC	pCi/L	0.19	0.16	0.2	
Radium 228	pCi/L	1.0	1.2	0.7	ND(1.0)
Radium 228 precision (±)	pCi/L	0.83	0.80	0.8	
Radium 228 MDC	pCi/L	1.3	1.3	1.3	
Thorium 230	pCi/L	-0.5	0.4	-0.1	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.7	0.7	0.2	
A/C Balance (± 5)	%	-4.80	0.221	3.30	1.18
Anions	meq/L	83.4	76.3	79.3	74.5
Cations	meq/L	75.8	76.7	84.8	76.3
Solids, Total Dissolved Calculated	mg/L	5150	4700	5000	4590
TDS Balance (0.80 - 1.20)		0.970	1.04	0.990	1.13
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

**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: C08070627-011
Client Sample ID: SBL-1

Revised Date: 11/03/08
Report Date: 09/04/08
Collection Date: 07/08/08 09:45
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	443	mg/L		1		A2320 B	07/16/08 11:55 / ljl
Calcium	502	mg/L		1		E200.7	08/29/08 15:45 / cp
Chloride	82	mg/L		1		A4500-Cl B	07/24/08 12:44 / sp
Magnesium	1080	mg/L		1		E200.7	08/29/08 15:45 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	07/23/08 12:00 / eli-b
Nitrogen, Nitrate+Nitrite as N	47.0	mg/L	D	0.2		E353.2	07/25/08 09:35 / eli-b
Potassium	12	mg/L		1		E200.7	08/29/08 15:45 / cp
Sodium	284	mg/L	D	8		E200.7	08/29/08 15:45 / cp
Sulfate	5680	mg/L	D	60		A4500-SO4 E	07/17/08 15:06 / sp
PHYSICAL PROPERTIES							
pH	6.97	s.u.		0.01		A4500-H B	07/15/08 12:40 / sp
Solids, Total Dissolved TDS @ 180 C	9080	mg/L		10		A2540 C	07/15/08 14:45 / dd
METALS - TOTAL							
Aluminum	0.2	mg/L		0.1		E200.7	07/29/08 00:07 / cp
Beryllium	ND	mg/L		0.01		E200.8	07/29/08 23:41 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/29/08 23:41 / ts
Cobalt	0.03	mg/L		0.01		E200.8	07/29/08 23:41 / ts
Lead	ND	mg/L		0.05		E200.8	07/29/08 23:41 / ts
Manganese	2.96	mg/L		0.01		E200.7	07/29/08 00:07 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/29/08 00:07 / cp
Nickel	0.09	mg/L		0.05		E200.8	07/29/08 23:41 / ts
Uranium	0.0152	mg/L		0.0003		E200.8	07/29/08 23:41 / ts
Vanadium	ND	mg/L		0.1		E200.8	07/29/08 23:41 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	07/31/08 15:34 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/06/08 14:26 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	0.9	pCi/L				E900.1	08/02/08 14:55 / crw
Gross Alpha minus Rn & U Precision (±)	0.6	pCi/L				E900.1	08/02/08 14:55 / crw
Gross Alpha minus Rn & U MDC	0.8	pCi/L				E900.1	08/02/08 14:55 / crw
Lead 210	0.7	pCi/L	U			E909.0M	07/25/08 10:35 / dm
Lead 210 precision (±)	4.6	pCi/L				E909.0M	07/25/08 10:35 / dm
Lead 210 MDC	7.8	pCi/L				E909.0M	07/25/08 10:35 / dm
Radium 226	0.56	pCi/L				E903.0	08/12/08 12:59 / trs
Radium 226 precision (±)	0.15	pCi/L				E903.0	08/12/08 12:59 / trs
Radium 226 MDC	0.13	pCi/L				E903.0	08/12/08 12:59 / trs
Radium 228	2.1	pCi/L				RA-05	08/07/08 13:01 / plj
Radium 228 precision (±)	0.84	pCi/L				RA-05	08/07/08 13:01 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	08/07/08 13:01 / plj

Report Definitions:
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QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08070627-011
Client Sample ID: SBL-1

Revised Date: 11/03/08
Report Date: 09/04/08
Collection Date: 07/08/08 09:45
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.6	pCi/L		0.2		E907.0	08/10/08 12:36 / dmf
Thorium 230 precision (±)	2.5	pCi/L				E907.0	08/10/08 12:36 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-1.82	%				Calculation	09/02/08 14:38 / sdw
Anions	131	meq/L				Calculation	09/02/08 14:38 / sdw
Cations	127	meq/L				Calculation	09/02/08 14:38 / sdw
Solids, Total Dissolved Calculated	8080	mg/L				Calculation	09/02/08 14:38 / sdw
TDS Balance (0.80 - 1.20)	1.12					Calculation	09/02/08 14:38 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/16/08 00:34 / jlr
Bromoform	ND	ug/L		0.50		E624	07/16/08 00:34 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/16/08 00:34 / jlr
Chloroform	ND	ug/L		0.50		E624	07/16/08 00:34 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	07/16/08 00:34 / jlr
Surr: 1,2-Dichlorobenzene-d4	114	%REC		80-120		E624	07/16/08 00:34 / jlr
Surr: Dibromofluoromethane	142	%REC	S	80-120		E624	07/16/08 00:34 / jlr
Surr: p-Bromofluorobenzene	108	%REC		80-120		E624	07/16/08 00:34 / jlr
Surr: Toluene-d8	96.0	%REC		80-120		E624	07/16/08 00:34 / jlr

Report Definitions:
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QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-011
Client Sample ID: SBL-1

Report Date: 11/20/08
Collection Date: 10/07/08 09:40
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	442	mg/L		1		A2320 B	10/13/08 16:06 / ljl
Calcium	504	mg/L		1		E200.7	10/28/08 20:37 / cp
Chloride	67	mg/L		1		A4500-Cl B	10/14/08 08:44 / sp
Magnesium	1120	mg/L		1		E200.7	10/28/08 20:37 / cp
Nitrogen, Ammonia as N	0.2	mg/L		0.1		E350.1	10/16/08 15:48 / eli-b
Nitrogen, Nitrate+Nitrite as N	53.6	mg/L		0.1		E353.2	10/15/08 13:56 / eli-b
Potassium	13	mg/L		1		E200.7	10/28/08 20:37 / cp
Sodium	294	mg/L	D	8		E200.7	10/28/08 20:37 / cp
Sulfate	5980	mg/L	D	60		A4500-SO4 E	10/16/08 14:20 / jal
PHYSICAL PROPERTIES							
pH	7.11	s.u.		0.01		A4500-H B	10/13/08 12:04 / dd
Solids, Total Dissolved TDS @ 180 C	8890	mg/L		10		A2540 C	10/13/08 08:54 / jah
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	10/24/08 07:39 / sml
Beryllium	ND	mg/L		0.01		E200.8	10/24/08 07:39 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/22/08 22:20 / sml
Cobalt	0.02	mg/L		0.01		E200.8	10/22/08 22:20 / sml
Lead	ND	mg/L		0.05		E200.8	10/22/08 22:20 / sml
Manganese	2.79	mg/L		0.01		E200.8	10/22/08 22:20 / sml
Molybdenum	ND	mg/L		0.1		E200.8	10/22/08 22:20 / sml
Nickel	0.06	mg/L		0.05		E200.8	10/22/08 22:20 / sml
Uranium	0.0163	mg/L		0.0003		E200.8	10/22/08 22:20 / sml
Vanadium	ND	mg/L		0.1		E200.8	10/22/08 22:20 / sml
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/21/08 19:39 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/17/08 08:54 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.5	pCi/L				E900.1	10/30/08 11:23 / cgr
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	10/30/08 11:23 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 11:23 / cgr
Lead 210	-0.8	pCi/L	U			E909.0M	10/27/08 10:08 / dm
Lead 210 precision (±)	2.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Lead 210 MDC	4.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Radium 226	0.29	pCi/L				E903.0	11/10/08 11:34 / trs
Radium 226 precision (±)	0.14	pCi/L				E903.0	11/10/08 11:34 / trs
Radium 226 MDC	0.17	pCi/L				E903.0	11/10/08 11:34 / trs
Radium 228	2.2	pCi/L				RA-05	11/04/08 10:04 / plj
Radium 228 precision (±)	0.88	pCi/L				RA-05	11/04/08 10:04 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 10:04 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-011
Client Sample ID: SBL-1

Report Date: 11/20/08
Collection Date: 10/07/08 09:40
Date Received: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.6	pCi/L		0.2		E907.0	10/29/08 12:06 / dmf
Thorium 230 precision (±)	1.3	pCi/L				E907.0	10/29/08 12:06 / dmf
DATA QUALITY							
A/C Balance (± 5)	-2.50	%				Calculation	11/01/08 10:34 / sdw
Anions	137	meq/L				Calculation	11/01/08 10:34 / sdw
Cations	131	meq/L				Calculation	11/01/08 10:34 / sdw
Solids, Total Dissolved Calculated	8530	mg/L				Calculation	11/01/08 10:34 / sdw
TDS Balance (0.80 - 1.20)	1.04					Calculation	11/01/08 10:34 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/15/08 05:01 / wen
Bromoform	ND	ug/L		0.50		E624	10/15/08 05:01 / wen
Chlorodibromomethane	ND	ug/L		0.50		E624	10/15/08 05:01 / wen
Chloroform	ND	ug/L		0.50		E624	10/15/08 05:01 / wen
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/15/08 05:01 / wen
Surr: 1,2-Dichlorobenzene-d4	107	%REC		80-120		E624	10/15/08 05:01 / wen
Surr: Dibromofluoromethane	113	%REC		80-120		E624	10/15/08 05:01 / wen
Surr: p-Bromofluorobenzene	106	%REC		80-120		E624	10/15/08 05:01 / wen
Surr: Toluene-d8	98.0	%REC		80-120		E624	10/15/08 05:01 / wen

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Alluvium Monitor Wells					
Well ID:		SBL-1	SBL-1	SBL-1	SBL-1
Collection Date:		10/7/2008	7/8/2008	4/8/2008	1/15/2008
Receive Date:		10/10/2008	7/14/2008	4/11/2008	1/18/2008
Report Date:		11/20/2008	9/4/2008	6/10/2008	4/1/2008
Analyte	Units	C08100471-011	C08070627-011	C08040580-011	C08010860-010
Bicarbonate as HCO3	mg/L	442	443	432	454
Calcium	mg/L	504	502	534	524
Chloride	mg/L	67	82	82	112
Magnesium	mg/L	1120	1080	1200	1190
Nitrogen, Ammonia as N	mg/L	0.2	ND(0.05)	ND(0.1)	ND(0.05)
Nitrogen, Nitrate+Nitrite as N	mg/L	53.6	47.0	68.5	40
Potassium	mg/L	13	12	15.8	16.6
Sodium	mg/L	294	284	341	321
Sulfate	mg/L	5980	5680	6080	5400
pH	s.u.	7.11	6.97	7.09	6.97
Solids, Total Dissolved TDS @ 180 C	mg/L	8890	9080	8860	9470
Aluminum	mg/L	ND(0.1)	0.2	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	0.02	0.03	0.02	0.01
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	2.79	2.96	2.93	2.69
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.06	0.09	0.08	0.06
Uranium	mg/L	0.0163	0.0152	0.0174	0.0166
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.003)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	1.5	0.9	1.6	1.7
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.5	0.6	0.4	0.7
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.8		
Lead 210	pCi/L	-0.8	0.7	-4.5	ND(1.0)
Lead 210 precision (±)	pCi/L	2.9	4.6	2	
Lead 210 MDC	pCi/L	4.9	7.8		
Radium 226	pCi/L	0.29	0.56	0.3	ND(0.2)
Radium 226 precision (±)	pCi/L	0.14	0.15	0.1	
Radium 226 MDC	pCi/L	0.17	0.13	0.2	
Radium 228	pCi/L	2.2	2.1	0.9	ND(1.0)
Radium 228 precision (±)	pCi/L	0.88	0.84	0.8	
Radium 228 MDC	pCi/L	1.3	1.3	1.3	
Thorium 230	pCi/L	0.6	0.6	-0.4	ND(0.2)
Thorium 230 precision (±)	pCi/L	1.3	2.5	1	
A/C Balance (± 5)	%	-2.50	-1.82	0.168	4.76
Anions	meq/L	137	131	141	126
Cations	meq/L	131	127	141	138
Solids, Total Dissolved Calculated	mg/L	8530	8080	8790	7960
TDS Balance (0.80 - 1.20)		1.04	1.12	1.01	1.19
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

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

QUARTERLY SAMPLING

SEMI-ANNUAL GROUND WATER MONITORING REPORT

JULY AND OCTOBER OF 2008

ZONE – 1

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*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**

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08070632-002
Client Sample ID: 515-A

Report Date: 08/19/08
Collection Date: 07/09/08 09:30
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	212	mg/L		1		A2320 B	07/16/08 13:19 / ljl
Calcium	493	mg/L	D	0.8		E200.7	07/24/08 20:25 / cp
Chloride	266	mg/L		1		A4500-Cl B	07/24/08 16:20 / sp
Magnesium	897	mg/L	D	0.8		E200.7	07/24/08 20:25 / cp
Nitrogen, Ammonia as N	4.99	mg/L		0.05		E350.1	07/23/08 12:17 / eli-b
Nitrogen, Nitrate+Nitrite as N	91.8	mg/L	D	0.2		E353.2	07/25/08 09:24 / eli-b
Potassium	15.3	mg/L		0.5		E200.7	07/24/08 20:25 / cp
Sodium	484	mg/L	D	5		E200.7	07/24/08 20:25 / cp
Sulfate	4960	mg/L	D	60		A4500-SO4 E	07/17/08 16:12 / sp
PHYSICAL PROPERTIES							
pH	6.10	s.u.		0.01		A4500-H B	07/15/08 12:56 / sp
Solids, Total Dissolved TDS @ 180 C	7460	mg/L		10		A2540 C	07/15/08 14:48 / dd
METALS - TOTAL							
Aluminum	0.4	mg/L		0.1		E200.8	07/30/08 01:43 / ts
Beryllium	ND	mg/L		0.01		E200.8	07/30/08 01:43 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/30/08 01:43 / ts
Cobalt	0.04	mg/L		0.01		E200.8	07/30/08 01:43 / ts
Lead	ND	mg/L		0.05		E200.8	07/30/08 01:43 / ts
Manganese	18.6	mg/L		0.01		E200.7	07/24/08 20:25 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/24/08 20:25 / cp
Nickel	0.25	mg/L		0.05		E200.8	07/30/08 01:43 / ts
Uranium	0.0011	mg/L		0.0003		E200.8	07/31/08 13:49 / sml
Vanadium	ND	mg/L		0.1		E200.8	07/30/08 01:43 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	07/31/08 17:27 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/05/08 15:29 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	2.2	pCi/L				E900.1	07/31/08 16:16 / crw
Gross Alpha minus Rn & U Precision (±)	0.8	pCi/L				E900.1	07/31/08 16:16 / crw
Gross Alpha minus Rn & U MDC	0.8	pCi/L				E900.1	07/31/08 16:16 / crw
Lead 210	8	pCi/L	U			E909.0M	07/28/08 08:15 / dm
Lead 210 precision (±)	7	pCi/L				E909.0M	07/28/08 08:15 / dm
Lead 210 MDC	11	pCi/L				E909.0M	07/28/08 08:15 / dm
Radium 226	1.0	pCi/L				E903.0	08/11/08 23:20 / trs
Radium 226 precision (±)	0.21	pCi/L				E903.0	08/11/08 23:20 / trs
Radium 226 MDC	0.17	pCi/L				E903.0	08/11/08 23:20 / trs
Radium 228	3.1	pCi/L				RA-05	08/05/08 10:40 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08070632-002
Client Sample ID: 515-A

Report Date: 08/19/08
Collection Date: 07/09/08 09:30
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision (±)	0.77	pCi/L				RA-05	08/05/08 10:40 / plj
Radium 228 MDC	1.1	pCi/L				RA-05	08/05/08 10:40 / plj
Thorium 230	-0.1	pCi/L	U	0.2		E907.0	08/08/08 23:50 / dmf
Thorium 230 precision (±)	1.9	pCi/L				E907.0	08/08/08 23:50 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-0.218	%				Calculation	08/19/08 09:40 / lab
Anions	121	meq/L				Calculation	08/19/08 09:40 / lab
Cations	120	meq/L				Calculation	08/19/08 09:40 / lab
Solids, Total Dissolved Calculated	7630	mg/L				Calculation	08/19/08 09:40 / lab
TDS Balance (0.80 - 1.20)	0.980					Calculation	08/19/08 09:40 / lab
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/16/08 17:13 / jlr
Bromoform	ND	ug/L		0.50		E624	07/16/08 17:13 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/16/08 17:13 / jlr
Chloroform	107	ug/L		0.50		E624	07/16/08 17:13 / jlr
Trihalomethanes, Total	107	ug/L		0.50		E624	07/16/08 17:13 / jlr
Surr: 1,2-Dichlorobenzene-d4	105	%REC		80-120		E624	07/16/08 17:13 / jlr
Surr: Dibromofluoromethane	112	%REC		80-120		E624	07/16/08 17:13 / jlr
Surr: p-Bromofluorobenzene	97.0	%REC		80-120		E624	07/16/08 17:13 / jlr
Surr: Toluene-d8	91.0	%REC		80-120		E624	07/16/08 17:13 / jlr
- Chloroform is over working range of curve. Due to limited sample volume, no reanalysis can be performed.							

Report Definitions:
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QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08100485-002
Client Sample ID: 515-A

Report Date: 11/14/08
Collection Date: 10/08/08 09:30
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	202	mg/L		1		A2320 B	10/13/08 17:19 / ljl
Calcium	460	mg/L		1		E200.7	10/28/08 21:39 / cp
Chloride	242	mg/L		1		A4500-Cl B	11/04/08 12:30 / jal
Magnesium	832	mg/L		1		E200.7	10/28/08 21:39 / cp
Nitrogen, Ammonia as N	9.9	mg/L		0.1		E350.1	10/16/08 16:00 / eli-b
Nitrogen, Nitrate+Nitrite as N	73.8	mg/L		0.1		E353.2	10/15/08 14:02 / eli-b
Potassium	14	mg/L		1		E200.7	10/28/08 21:39 / cp
Sodium	430	mg/L	D	8		E200.7	10/28/08 21:39 / cp
Sulfate	5200	mg/L	D	60		A4500-SO4 E	10/16/08 14:38 / jal
PHYSICAL PROPERTIES							
pH	5.75	s.u.		0.01		A4500-H B	10/13/08 13:46 / dd
Solids, Total Dissolved TDS @ 180 C	7770	mg/L		10		A2540 C	10/14/08 08:32 / jah
METALS - TOTAL							
Aluminum	0.6	mg/L		0.1		E200.8	10/23/08 03:28 / sml
Beryllium	ND	mg/L		0.01		E200.8	10/23/08 03:28 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/23/08 03:28 / sml
Cobalt	0.04	mg/L		0.01		E200.8	10/23/08 03:28 / sml
Lead	ND	mg/L		0.05		E200.8	10/23/08 03:28 / sml
Manganese	17.6	mg/L		0.01		E200.8	10/23/08 03:28 / sml
Molybdenum	ND	mg/L		0.1		E200.8	10/23/08 03:28 / sml
Nickel	0.24	mg/L		0.05		E200.8	10/23/08 03:28 / sml
Uranium	0.0011	mg/L		0.0003		E200.8	10/23/08 03:28 / sml
Vanadium	ND	mg/L		0.1		E200.8	10/23/08 03:28 / sml
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/21/08 21:01 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/16/08 10:06 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	3.0	pCi/L				E900.1	10/30/08 16:48 / cgr
Gross Alpha minus Rn & U Precision (±)	0.7	pCi/L				E900.1	10/30/08 16:48 / cgr
Gross Alpha minus Rn & U MDC	0.5	pCi/L				E900.1	10/30/08 16:48 / cgr
Lead 210	1.0	pCi/L	U			E909.0M	10/27/08 10:08 / dm
Lead 210 precision (±)	5.8	pCi/L				E909.0M	10/27/08 10:08 / dm
Lead 210 MDC	9.8	pCi/L				E909.0M	10/27/08 10:08 / dm
Radium 226	0.64	pCi/L				E903.0	11/10/08 15:05 / trs
Radium 226 precision (±)	0.19	pCi/L				E903.0	11/10/08 15:05 / trs
Radium 226 MDC	0.20	pCi/L				E903.0	11/10/08 15:05 / trs
Radium 228	3.4	pCi/L				RA-05	11/04/08 14:13 / plj
Radium 228 precision (±)	0.91	pCi/L				RA-05	11/04/08 14:13 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 14:13 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08100485-002
Client Sample ID: 515-A

Report Date: 11/14/08
Collection Date: 10/08/08 09:30
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.3	pCi/L		0.2		E907.0	10/30/08 08:06 / dmf
Thorium 230 precision (±)	0.7	pCi/L				E907.0	10/30/08 08:06 / dmf
DATA QUALITY							
A/C Balance (± 5)	-5.34	%				Calculation	11/14/08 14:20 / lab
Anions	124	meq/L				Calculation	11/14/08 14:20 / lab
Cations	111	meq/L				Calculation	11/14/08 14:20 / lab
Solids, Total Dissolved Calculated	7780	mg/L				Calculation	11/14/08 14:20 / lab
TDS Balance (0.80 - 1.20)	1.00					Calculation	11/14/08 14:20 / lab
- The Anion / Cation balance was confirmed by re-analysis.							
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/15/08 10:19 / wen
Bromoform	ND	ug/L		0.50		E624	10/15/08 10:19 / wen
Chlorodibromomethane	ND	ug/L		0.50		E624	10/15/08 10:19 / wen
Chloroform	128	ug/L	D	5.0		E624	10/15/08 11:33 / wen
Trihalomethanes, Total	128	ug/L		0.50		E624	10/15/08 10:19 / wen
Surr: 1,2-Dichlorobenzene-d4	104	%REC		80-120		E624	10/15/08 10:19 / wen
Surr: Dibromofluoromethane	97.0	%REC		80-120		E624	10/15/08 10:19 / wen
Surr: p-Bromofluorobenzene	105	%REC		80-120		E624	10/15/08 10:19 / wen
Surr: Toluene-d8	98.0	%REC		80-120		E624	10/15/08 10:19 / wen

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

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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:		10/8/2008	7/9/2008	4/9/2008	1/16/2008
Receive Date:		10/10/2008	7/14/2008	4/11/2008	1/18/2008
Report Date:		11/19/2008	9/3/2008	5/29/2008	4/2/2008
Analyte	Units	C08100485-002	C08070632-002	C08040582-003	C08010858-002
Bicarbonate as HCO3	mg/L	202	212	190	202
Calcium	mg/L	460	493	493	454
Chloride	mg/L	242	266	235	266
Magnesium	mg/L	832	897	926	819
Nitrogen, Ammonia as N	mg/L	9.9	4.99	7.7	6.8
Nitrogen, Nitrate+Nitrite as N	mg/L	73.8	91.8	78.6	64
Potassium	mg/L	14	15.3	15.8	16.1
Sodium	mg/L	430	484	485	444
Sulfate	mg/L	5200	4960	5050	4340
pH	s.u.	5.75	6.10	6.37	6.37
Solids, Total Dissolved TDS @ 180 C	mg/L	7770	7460	7450	7470
Aluminum	mg/L	0.6	0.4	1.1	0.7
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.04	0.04	0.06	0.05
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	17.6	18.6	18.0	15.9
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.24	0.25	0.27	0.24
Uranium	mg/L	0.0011	0.0011	0.0009	0.0007
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.003)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	3.0	2.2	8.1	6.6
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.7	0.8	1.1	1.2
Gross Alpha minus Rn & U MDC	pCi/L	0.5	0.8		
Lead 210	pCi/L	1.0	8.5	0.0	ND(1.0)
Lead 210 precision (±)	pCi/L	5.8	6.9	0.6	
Lead 210 MDC	pCi/L	9.8	11.3		
Radium 226	pCi/L	0.64	1.0	0.5	2.0
Radium 226 precision (±)	pCi/L	0.19	0.21	0.2	0.5
Radium 226 MDC	pCi/L	0.20	0.17	0.2	
Radium 228	pCi/L	3.4	3.1	3.0	2.7
Radium 228 precision (±)	pCi/L	0.91	0.77	0.8	1.0
Radium 228 MDC	pCi/L	1.3	1.1	1.1	
Thorium 230	pCi/L	0.3	-0.1	1.4	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.7	1.9	2.4	
A/C Balance (± 5)	%	-5.34	-0.218	1.54	2.64
Anions	meq/L	124	121	121	106
Cations	meq/L	111	120	124	112
Solids, Total Dissolved Calculated	mg/L	7780	7630	7690	6740
TDS Balance (0.80 - 1.20)		1.00	0.980	0.970	1.11
Trihalomethanes, Total	ug/L	128	107	22.6	227

**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: C08070632-003
Client Sample ID: 604

Report Date: 08/19/08
Collection Date: 07/09/08 10:15
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	3	mg/L		1		A2320 B	07/16/08 13:24 / ljl
Calcium	466	mg/L	D	0.8		E200.7	07/24/08 20:29 / cp
Chloride	62	mg/L		1		A4500-Cl B	07/24/08 16:35 / sp
Magnesium	850	mg/L	D	0.8		E200.7	07/24/08 20:29 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	07/23/08 12:18 / eli-b
Nitrogen, Nitrate+Nitrite as N	118	mg/L	D	0.2		E353.2	07/25/08 09:25 / eli-b
Potassium	12.5	mg/L		0.5		E200.7	07/24/08 20:29 / cp
Sodium	308	mg/L	D	5		E200.7	07/24/08 20:29 / cp
Sulfate	4790	mg/L	D	60		A4500-SO4 E	07/17/08 16:15 / sp
PHYSICAL PROPERTIES							
pH	5.24	s.u.		0.01		A4500-H B	07/15/08 13:13 / sp
Solids, Total Dissolved TDS @ 180 C	6880	mg/L		10		A2540 C	07/15/08 15:57 / dd
METALS - TOTAL							
Aluminum	3.3	mg/L		0.1		E200.8	07/30/08 01:49 / ts
Beryllium	ND	mg/L		0.01		E200.8	07/30/08 01:49 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/30/08 01:49 / ts
Cobalt	0.23	mg/L		0.01		E200.8	07/30/08 01:49 / ts
Lead	ND	mg/L		0.05		E200.8	07/30/08 01:49 / ts
Manganese	10.6	mg/L		0.01		E200.7	07/24/08 20:29 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/24/08 20:29 / cp
Nickel	0.29	mg/L		0.05		E200.8	07/30/08 01:49 / ts
Uranium	0.0008	mg/L		0.0003		E200.8	07/30/08 01:49 / ts
Vanadium	ND	mg/L		0.1		E200.7	07/24/08 20:29 / cp
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	07/31/08 17:45 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/05/08 15:31 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.9	pCi/L				E900.1	07/31/08 16:16 / crw
Gross Alpha minus Rn & U Precision (±)	0.7	pCi/L				E900.1	07/31/08 16:16 / crw
Gross Alpha minus Rn & U MDC	0.8	pCi/L				E900.1	07/31/08 16:16 / crw
Lead 210	2	pCi/L	U			E909.0M	07/28/08 08:15 / dm
Lead 210 precision (±)	7	pCi/L				E909.0M	07/28/08 08:15 / dm
Lead 210 MDC	11	pCi/L				E909.0M	07/28/08 08:15 / dm
Radium 226	1.2	pCi/L				E903.0	08/11/08 23:20 / trs
Radium 226 precision (±)	0.22	pCi/L				E903.0	08/11/08 23:20 / trs
Radium 226 MDC	0.17	pCi/L				E903.0	08/11/08 23:20 / trs
Radium 228	5.7	pCi/L				RA-05	08/05/08 10:40 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08070632-003
Client Sample ID: 604

Report Date: 08/19/08
Collection Date: 07/09/08 10:15
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision (±)	0.88	pCi/L				RA-05	08/05/08 10:40 / plj
Radium 228 MDC	1.1	pCi/L				RA-05	08/05/08 10:40 / plj
Thorium 230	-0.1	pCi/L	U	0.2		E907.0	08/08/08 23:50 / dmf
Thorium 230 precision (±)	1.1	pCi/L				E907.0	08/08/08 23:50 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-1.43	%				Calculation	08/19/08 09:41 / lab
Anions	110	meq/L				Calculation	08/19/08 09:41 / lab
Cations	107	meq/L				Calculation	08/19/08 09:41 / lab
Solids, Total Dissolved Calculated	7020	mg/L				Calculation	08/19/08 09:41 / lab
TDS Balance (0.80 - 1.20)	0.980					Calculation	08/19/08 09:41 / lab
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/16/08 17:50 / jlr
Bromoform	ND	ug/L		0.50		E624	07/16/08 17:50 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/16/08 17:50 / jlr
Chloroform	7.64	ug/L		0.50		E624	07/16/08 17:50 / jlr
Trihalomethanes, Total	7.64	ug/L		0.50		E624	07/16/08 17:50 / jlr
Surr: 1,2-Dichlorobenzene-d4	100	%REC		80-120		E624	07/16/08 17:50 / jlr
Surr: Dibromofluoromethane	106	%REC		80-120		E624	07/16/08 17:50 / jlr
Surr: p-Bromofluorobenzene	93.0	%REC		80-120		E624	07/16/08 17:50 / jlr
Surr: Toluene-d8	89.0	%REC		80-120		E624	07/16/08 17:50 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08100849-001
Client Sample ID: 604

Report Date: 11/17/08
Collection Date: 10/13/08 09:25
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	5	mg/L		1		A2320 B	10/20/08 13:23 / ljl
Calcium	487	mg/L		1		E200.7	11/03/08 15:38 / cp
Chloride	53	mg/L		1		A4500-Cl B	10/27/08 12:21 / jal
Magnesium	880	mg/L		1		E200.7	11/03/08 15:38 / cp
Nitrogen, Ammonia as N	0.2	mg/L		0.1		E350.1	10/23/08 13:33 / eli-b
Nitrogen, Nitrate+Nitrite as N	95.8	mg/L	D	0.2		E353.2	10/22/08 12:02 / eli-b
Potassium	13	mg/L		1		E200.7	11/03/08 15:38 / cp
Sodium	310	mg/L	D	8		E200.7	11/03/08 15:38 / cp
Sulfate	4800	mg/L	D	60		A4500-SO4 E	10/20/08 10:54 / jal
PHYSICAL PROPERTIES							
pH	5.19	s.u.		0.01		A4500-H B	10/20/08 10:09 / dd
Solids, Total Dissolved TDS @ 180 C	7060	mg/L	H	10		A2540 C	10/21/08 09:09 / jah
- H - Sample was analyzed beyond recommended hold time due to receiving it with insufficient hold time remaining.							
METALS - TOTAL							
Aluminum	3.6	mg/L		0.1		E200.8	11/04/08 15:03 / ts
Beryllium	ND	mg/L		0.01		E200.8	11/04/08 15:03 / ts
Cadmium	ND	mg/L		0.005		E200.8	11/04/08 15:03 / ts
Cobalt	0.22	mg/L		0.01		E200.8	11/04/08 15:03 / ts
Lead	ND	mg/L		0.05		E200.8	11/10/08 14:25 / sml
Manganese	9.12	mg/L		0.01		E200.8	11/04/08 15:03 / ts
Molybdenum	ND	mg/L		0.1		E200.8	11/04/08 15:03 / ts
Nickel	0.27	mg/L		0.05		E200.8	11/04/08 15:03 / ts
Uranium	0.0014	mg/L		0.0003		E200.8	11/10/08 14:25 / sml
Vanadium	ND	mg/L		0.1		E200.8	11/04/08 15:03 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/27/08 16:29 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/29/08 16:09 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	3.7	pCi/L				E900.1	10/30/08 15:08 / cgr
Gross Alpha minus Rn & U Precision (±)	0.7	pCi/L				E900.1	10/30/08 15:08 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 15:08 / cgr
Lead 210	-3	pCi/L	U			E909.0M	10/28/08 10:11 / dm
Lead 210 precision (±)	3.0	pCi/L				E909.0M	10/28/08 10:11 / dm
Lead 210 MDC	5.1	pCi/L				E909.0M	10/28/08 10:11 / dm
Radium 226	0.93	pCi/L				E903.0	11/10/08 15:05 / trs
Radium 226 precision (±)	0.20	pCi/L				E903.0	11/10/08 15:05 / trs
Radium 226 MDC	0.19	pCi/L				E903.0	11/10/08 15:05 / trs
Radium 228	5.0	pCi/L				RA-05	11/04/08 14:13 / plj
Radium 228 precision (±)	0.97	pCi/L				RA-05	11/04/08 14:13 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 14:13 / plj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08100849-001
Client Sample ID: 604

Report Date: 11/17/08
Collection Date: 10/13/08 09:25
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	1.0	pCi/L		0.2		E907.0	10/30/08 08:06 / dmf
Thorium 230 precision (±)	0.9	pCi/L				E907.0	10/30/08 08:06 / dmf
DATA QUALITY							
A/C Balance (± 5)	1.04	%				Calculation	11/07/08 16:45 / sdw
Anions	108	meq/L				Calculation	11/07/08 16:45 / sdw
Cations	111	meq/L				Calculation	11/07/08 16:45 / sdw
Solids, Total Dissolved Calculated	6970	mg/L				Calculation	11/07/08 16:45 / sdw
TDS Balance (0.80 - 1.20)	1.01					Calculation	11/07/08 16:45 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/25/08 10:39 / jlr
Bromoform	ND	ug/L		0.50		E624	10/25/08 10:39 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	10/25/08 10:39 / jlr
Chloroform	5.36	ug/L		0.50		E624	10/25/08 10:39 / jlr
Trihalomethanes, Total	5.36	ug/L		0.50		E624	10/25/08 10:39 / jlr
Surr: 1,2-Dichlorobenzene-d4	108	%REC		80-120		E624	10/25/08 10:39 / jlr
Surr: Dibromofluoromethane	111	%REC		80-120		E624	10/25/08 10:39 / jlr
Surr: p-Bromofluorobenzene	91.0	%REC		80-120		E624	10/25/08 10:39 / jlr
Surr: Toluene-d8	94.0	%REC		80-120		E624	10/25/08 10:39 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 1 Monitor Wells					
Well ID:		604	604	604	604
Collection Date:		10/13/2008	7/9/2008	4/9/2008	1/16/2008
Receive Date:		10/17/2008	7/14/2008	4/11/2008	1/18/2008
Report Date:		11/19/2008	9/3/2008	5/29/2008	4/2/2008
Analyte	Units	C08100849-001	C08070632-003	C08040582-002	C08010858-003
Bicarbonate as HCO3	mg/L	5	3	3	5
Calcium	mg/L	487	466	480	435
Chloride	mg/L	53	62	57	84
Magnesium	mg/L	880	850	903	801
Nitrogen, Ammonia as N	mg/L	0.2	ND(0.05)	ND(0.05)	0.13
Nitrogen, Nitrate+Nitrite as N	mg/L	95.8	118	113	76
Potassium	mg/L	13	12.5	13.6	16.3
Sodium	mg/L	310	308	332	286
Sulfate	mg/L	4800	4790	4780	4160
pH	s.u.	5.19	5.24	5.02	5.35
Solids, Total Dissolved TDS @ 180 C	mg/L	7060	6880	6880	6880
Aluminum	mg/L	3.6	3.3	5.4	5.1
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	0.22	0.23	0.23	0.24
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	9.12	10.6	10.3	9.73
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.27	0.29	0.29	0.29
Uranium	mg/L	0.0014	0.0008	0.0009	0.0009
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.003)	0.002	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	3.7	1.9	12.0	
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.7	0.7	1.3	
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.8		
Lead 210	pCi/L	-3	1.8	-1.3	ND(1.0)
Lead 210 precision (±)	pCi/L	3.0	6.8	0.9	
Lead 210 MDC	pCi/L	5.1	11.3		
Radium 226	pCi/L	0.93	1.2	1.5	2.9
Radium 226 precision (±)	pCi/L	0.20	0.22	0.3	0.6
Radium 226 MDC	pCi/L	0.19	0.17	0.2	
Radium 228	pCi/L	5.0	5.7	5.4	4.3
Radium 228 precision (±)	pCi/L	0.97	0.88	0.9	1.0
Radium 228 MDC	pCi/L	1.3	1.1	1.1	
Thorium 230	pCi/L	1.0	-0.1	1.1	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.9	1.1	1.6	
A/C Balance (± 5)	%	1.04	-1.43	2.29	3.64
Anions	meq/L	108	110	109	94.6
Cations	meq/L	111	107	114	102
Solids, Total Dissolved Calculated	mg/L	6970	7020	7110	6140
TDS Balance (0.80 - 1.20)		1.01	0.980	0.970	1.12
Trihalomethanes, Total	ug/L	5.36	7.64	6.64	6.44

**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: C08070632-001
Client Sample ID: 614

Report Date: 08/19/08
Collection Date: 07/09/08 08:40
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	1290	mg/L		1		A2320 B	07/16/08 13:13 / ljl
Calcium	608	mg/L	D	0.8		E200.7	07/24/08 20:21 / cp
Chloride	355	mg/L		1		A4500-Cl B	07/24/08 16:18 / sp
Magnesium	643	mg/L	D	0.8		E200.7	07/24/08 20:21 / cp
Nitrogen, Ammonia as N	72.6	mg/L	D	0.4		E350.1	07/29/08 15:25 / eli-b
Nitrogen, Nitrate+Nitrite as N	121	mg/L	D	0.2		E353.2	07/25/08 09:23 / eli-b
Potassium	11.3	mg/L		0.5		E200.7	07/24/08 20:21 / cp
Sodium	513	mg/L	D	5		E200.7	07/24/08 20:21 / cp
Sulfate	3190	mg/L	D	60		A4500-SO4 E	07/17/08 16:06 / sp
PHYSICAL PROPERTIES							
pH	7.07	s.u.		0.01		A4500-H B	07/15/08 12:55 / sp
Solids, Total Dissolved TDS @ 180 C	6150	mg/L		10		A2540 C	07/15/08 14:48 / dd
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	07/30/08 01:36 / ts
Beryllium	ND	mg/L		0.01		E200.8	07/30/08 01:36 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/30/08 01:36 / ts
Cobalt	ND	mg/L		0.01		E200.8	07/30/08 01:36 / ts
Lead	ND	mg/L		0.05		E200.8	07/30/08 01:36 / ts
Manganese	0.50	mg/L		0.01		E200.7	07/24/08 20:21 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/24/08 20:21 / cp
Nickel	ND	mg/L		0.05		E200.8	07/30/08 01:36 / ts
Uranium	0.0539	mg/L		0.0003		E200.8	07/30/08 01:36 / ts
Vanadium	ND	mg/L		0.1		E200.8	07/30/08 01:36 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	07/31/08 17:19 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/05/08 15:26 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	0.6	pCi/L	U			E900.1	07/31/08 16:16 / crw
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	07/31/08 16:16 / crw
Gross Alpha minus Rn & U MDC	0.8	pCi/L				E900.1	07/31/08 16:16 / crw
Lead 210	5	pCi/L	U			E909.0M	07/28/08 08:15 / dm
Lead 210 precision (±)	7	pCi/L				E909.0M	07/28/08 08:15 / dm
Lead 210 MDC	11	pCi/L				E909.0M	07/28/08 08:15 / dm
Radium 226	0.41	pCi/L				E903.0	08/11/08 17:38 / trs
Radium 226 precision (±)	0.16	pCi/L				E903.0	08/11/08 17:38 / trs
Radium 226 MDC	0.18	pCi/L				E903.0	08/11/08 17:38 / trs
Radium 228	0.72	pCi/L	U			RA-05	08/05/08 10:40 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08070632-001
Client Sample ID: 614

Report Date: 08/19/08
Collection Date: 07/09/08 08:40
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision (±)	0.67	pCi/L				RA-05	08/05/08 10:40 / plj
Radium 228 MDC	1.1	pCi/L				RA-05	08/05/08 10:40 / plj
Thorium 230	-0.3	pCi/L	U	0.2		E907.0	08/08/08 23:50 / dmf
Thorium 230 precision (±)	0.5	pCi/L				E907.0	08/08/08 23:50 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	2.25	%				Calculation	08/19/08 09:39 / lab
Anions	106	meq/L				Calculation	08/19/08 09:39 / lab
Cations	111	meq/L				Calculation	08/19/08 09:39 / lab
Solids, Total Dissolved Calculated	6490	mg/L				Calculation	08/19/08 09:39 / lab
TDS Balance (0.80 - 1.20)	0.950					Calculation	08/19/08 09:39 / lab
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/16/08 20:22 / jlr
Bromoform	ND	ug/L		0.50		E624	07/16/08 20:22 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/16/08 20:22 / jlr
Chloroform	63.6	ug/L	D	5.0		E624	07/16/08 19:06 / jlr
Trihalomethanes, Total	63.6	ug/L		0.50		E624	07/16/08 20:22 / jlr
Surr: 1,2-Dichlorobenzene-d4	96.0	%REC		80-120		E624	07/16/08 20:22 / jlr
Surr: Dibromofluoromethane	102	%REC		80-120		E624	07/16/08 20:22 / jlr
Surr: p-Bromofluorobenzene	90.0	%REC		80-120		E624	07/16/08 20:22 / jlr
Surr: Toluene-d8	93.0	%REC		80-120		E624	07/16/08 20:22 / jlr

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08100485-001
Client Sample ID: 614

Report Date: 11/14/08
Collection Date: 10/08/08 08:35
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	1580	mg/L		1		A2320 B	10/13/08 17:13 / ljl
Calcium	577	mg/L		1		E200.7	10/28/08 21:35 / cp
Chloride	320	mg/L		1		A4500-Cl B	11/04/08 12:28 / jal
Magnesium	612	mg/L		1		E200.7	10/28/08 21:35 / cp
Nitrogen, Ammonia as N	72.1	mg/L	D	0.4		E350.1	10/17/08 13:51 / eli-b
Nitrogen, Nitrate+Nitrite as N	111	mg/L	D	0.2		E353.2	10/15/08 12:27 / eli-b
Potassium	10	mg/L		1		E200.7	10/28/08 21:35 / cp
Sodium	468	mg/L	D	8		E200.7	10/28/08 21:35 / cp
Sulfate	3510	mg/L	D	60		A4500-SO4 E	10/16/08 14:37 / jal
PHYSICAL PROPERTIES							
pH	6.76	s.u.		0.01		A4500-H B	10/13/08 13:45 / dd
Solids, Total Dissolved TDS @ 180 C	6500	mg/L		10		A2540 C	10/14/08 08:32 / jah
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	10/23/08 03:21 / sml
Beryllium	ND	mg/L		0.01		E200.8	10/23/08 03:21 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/23/08 03:21 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/23/08 03:21 / sml
Lead	ND	mg/L		0.05		E200.8	10/23/08 03:21 / sml
Manganese	0.50	mg/L		0.01		E200.8	10/23/08 03:21 / sml
Molybdenum	ND	mg/L		0.1		E200.8	10/23/08 03:21 / sml
Nickel	ND	mg/L		0.05		E200.8	10/23/08 03:21 / sml
Uranium	0.0520	mg/L		0.0003		E200.8	10/23/08 03:21 / sml
Vanadium	ND	mg/L		0.1		E200.8	10/23/08 03:21 / sml
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/21/08 20:28 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/16/08 10:03 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	2.4	pCi/L				E900.1	10/30/08 16:48 / cgr
Gross Alpha minus Rn & U Precision (±)	0.6	pCi/L				E900.1	10/30/08 16:48 / cgr
Gross Alpha minus Rn & U MDC	0.5	pCi/L				E900.1	10/30/08 16:48 / cgr
Lead 210	-2	pCi/L	U			E909.0M	10/27/08 10:08 / dm
Lead 210 precision (±)	2.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Lead 210 MDC	4.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Radium 226	0.25	pCi/L				E903.0	11/10/08 15:05 / trs
Radium 226 precision (±)	0.15	pCi/L				E903.0	11/10/08 15:05 / trs
Radium 226 MDC	0.21	pCi/L				E903.0	11/10/08 15:05 / trs
Radium 228	2.3	pCi/L				RA-05	11/04/08 14:13 / plj
Radium 228 precision (±)	0.87	pCi/L				RA-05	11/04/08 14:13 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 14:13 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08100485-001
Client Sample ID: 614

Report Date: 11/14/08
Collection Date: 10/08/08 08:35
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.3	pCi/L		0.2		E907.0	10/30/08 08:06 / dmf
Thorium 230 precision (±)	0.6	pCi/L				E907.0	10/30/08 08:06 / dmf
DATA QUALITY							
A/C Balance (± 5)	-4.95	%				Calculation	11/14/08 14:19 / lab
Anions	116	meq/L				Calculation	11/14/08 14:19 / lab
Cations	105	meq/L				Calculation	11/14/08 14:19 / lab
Solids, Total Dissolved Calculated	6980	mg/L				Calculation	11/14/08 14:19 / lab
TDS Balance (0.80 - 1.20)	0.930					Calculation	11/14/08 14:19 / lab
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/15/08 09:40 / wen
Bromoform	ND	ug/L		0.50		E624	10/15/08 09:40 / wen
Chlorodibromomethane	ND	ug/L		0.50		E624	10/15/08 09:40 / wen
Chloroform	146	ug/L	D	5.0		E624	10/15/08 00:21 / wen
Trihalomethanes, Total	146	ug/L		0.50		E624	10/15/08 09:40 / wen
Surr: 1,2-Dichlorobenzene-d4	104	%REC		80-120		E624	10/15/08 09:40 / wen
Surr: Dibromofluoromethane	105	%REC		80-120		E624	10/15/08 09:40 / wen
Surr: p-Bromofluorobenzene	104	%REC		80-120		E624	10/15/08 09:40 / wen
Surr: Toluene-d8	96.0	%REC		80-120		E624	10/15/08 09:40 / wen

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

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 1 Monitor Wells					
Well ID:		614	614	614	614
Collection Date:		10/8/2008	7/9/2008	4/9/2008	1/16/2008
Receive Date:		10/10/2008	7/14/2008	4/11/2008	1/18/2008
Report Date:		11/19/2008	9/3/2008	5/29/2008	4/2/2008
Analyte	Units	C08100485-001	C08070632-001	C08040582-001	C08010858-001
Bicarbonate as HCO3	mg/L	1580	1290	1380	1440
Calcium	mg/L	577	608	619	584
Chloride	mg/L	320	355	309	354
Magnesium	mg/L	612	643	678	622
Nitrogen, Ammonia as N	mg/L	72.1	72.6	68.6	67
Nitrogen, Nitrate+Nitrite as N	mg/L	111	121	147	87
Potassium	mg/L	10	11.3	12.0	12.2
Sodium	mg/L	468	513	517	492
Sulfate	mg/L	3510	3190	3360	3010
pH	s.u.	6.76	7.07	7.18	6.54
Solids, Total Dissolved TDS @ 180 C	mg/L	6500	6150	6430	6220
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	0.50	0.50	0.48	0.48
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	0.0520	0.0539	0.0512	0.0540
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.003)	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	2.4	0.6	5.6	3.8
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.6	0.5	0.9	0.9
Gross Alpha minus Rn & U MDC	pCi/L	0.5	0.8		
Lead 210	pCi/L	-2	5.3	0.0	ND(1.0)
Lead 210 precision (±)	pCi/L	2.9	6.8	1.1	
Lead 210 MDC	pCi/L	4.9	11.3		
Radium 226	pCi/L	0.25	0.41	1.1	1.6
Radium 226 precision (±)	pCi/L	0.15	0.16	0.2	0.4
Radium 226 MDC	pCi/L	0.21	0.18	0.2	
Radium 228	pCi/L	2.3	0.72	2.2	2.3
Radium 228 precision (±)	pCi/L	0.87	0.67	0.8	1.0
Radium 228 MDC	pCi/L	1.3	1.1	1.1	
Thorium 230	pCi/L	0.3	-0.3	-0.5	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.6	0.5	1.6	
A/C Balance (± 5)	%	-4.95	2.25	1.12	2.16
Anions	meq/L	116	106	112	102
Cations	meq/L	105	111	114	107
Solids, Total Dissolved Calculated	mg/L	6980	6490	6850	6160
TDS Balance (0.80 - 1.20)		0.930	0.950	0.940	1.01
Trihalomethanes, Total	ug/L	146	63.6	210	137

**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: C08070869-006
Client Sample ID: TWQ-142

Report Date: 09/02/08
Collection Date: 07/15/08 08:45
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	266	mg/L		1		A2320 B	07/21/08 23:28 / ljl
Calcium	40	mg/L		1		E200.7	07/28/08 19:03 / cp
Chloride	16	mg/L		1		A4500-Cl B	07/25/08 15:11 / jal
Magnesium	20	mg/L		1		E200.7	07/28/08 19:03 / cp
Nitrogen, Ammonia as N	0.23	mg/L		0.05		E350.1	07/23/08 13:04 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/28/08 15:43 / eli-b
Potassium	4	mg/L		1		E200.7	07/28/08 19:03 / cp
Sodium	341	mg/L	D	2		E200.7	07/28/08 19:03 / cp
Sulfate	638	mg/L	D	30		A4500-SO4 E	07/24/08 12:17 / jal
PHYSICAL PROPERTIES							
pH	7.76	s.u.		0.01		A4500-H B	07/21/08 11:05 / jh
Solids, Total Dissolved TDS @ 180 C	1100	mg/L		10		A2540 C	07/21/08 16:28 / dd
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	07/25/08 02:39 / cp
Beryllium	ND	mg/L		0.01		E200.7	07/25/08 02:39 / cp
Cadmium	ND	mg/L		0.005		E200.7	07/25/08 02:39 / cp
Cobalt	ND	mg/L		0.01		E200.7	07/25/08 02:39 / cp
Lead	ND	mg/L		0.05		E200.7	07/25/08 02:39 / cp
Manganese	0.04	mg/L		0.01		E200.7	07/25/08 02:39 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/25/08 02:39 / cp
Nickel	ND	mg/L		0.05		E200.7	07/25/08 02:39 / cp
Uranium	ND	mg/L	D	0.0006		E200.8	08/02/08 00:13 / sml
Vanadium	ND	mg/L		0.1		E200.7	07/25/08 02:39 / cp
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	08/06/08 11:15 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/07/08 09:53 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	0.7	pCi/L	U			E900.1	07/31/08 16:19 / crw
Gross Alpha minus Rn & U Precision (±)	0.6	pCi/L				E900.1	07/31/08 16:19 / crw
Gross Alpha minus Rn & U MDC	0.8	pCi/L				E900.1	07/31/08 16:19 / crw
Lead 210	0.30	pCi/L	U			E909.0M	08/11/08 10:51 / dm
Lead 210 precision (±)	4.4	pCi/L				E909.0M	08/11/08 10:51 / dm
Lead 210 MDC	7.4	pCi/L				E909.0M	08/11/08 10:51 / dm
Radium 226	0.54	pCi/L				E903.0	08/26/08 08:40 / trs
Radium 226 precision (±)	0.15	pCi/L				E903.0	08/26/08 08:40 / trs
Radium 226 MDC	0.16	pCi/L				E903.0	08/26/08 08:40 / trs
Radium 228	0.71	pCi/L	U			RA-05	08/19/08 11:01 / plj

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D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08070869-006
Client Sample ID: TWQ-142

Report Date: 09/02/08
Collection Date: 07/15/08 08:45
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision (±)	0.65	pCi/L				RA-05	08/19/08 11:01 / plj
Radium 228 MDC	1.0	pCi/L				RA-05	08/19/08 11:01 / plj
Thorium 230	0.0	pCi/L	U	0.2		E907.0	08/18/08 21:40 / dmf
Thorium 230 precision (±)	0.3	pCi/L				E907.0	08/18/08 21:40 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	1.22	%				Calculation	07/29/08 19:45 / lab
Anions	18.1	meq/L				Calculation	07/29/08 19:45 / lab
Cations	18.5	meq/L				Calculation	07/29/08 19:45 / lab
Solids, Total Dissolved Calculated	1200	mg/L				Calculation	07/29/08 19:45 / lab
TDS Balance (0.80 - 1.20)	0.920					Calculation	07/29/08 19:45 / lab
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/22/08 01:55 / jlr
Bromoform	ND	ug/L		0.50		E624	07/22/08 01:55 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/22/08 01:55 / jlr
Chloroform	ND	ug/L		0.50		E624	07/22/08 01:55 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	07/22/08 01:55 / jlr
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC		80-120		E624	07/22/08 01:55 / jlr
Surr: Dibromofluoromethane	93.0	%REC		80-120		E624	07/22/08 01:55 / jlr
Surr: p-Bromofluorobenzene	88.0	%REC		80-120		E624	07/22/08 01:55 / jlr
Surr: Toluene-d8	94.0	%REC		80-120		E624	07/22/08 01:55 / jlr

Report Definitions:
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QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
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U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08100849-007
Client Sample ID: TWQ-142

Report Date: 11/17/08
Collection Date: 10/14/08 12:10
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	261	mg/L		1		A2320 B	10/20/08 14:22 / ljl
Calcium	40	mg/L		1		E200.7	11/04/08 15:33 / cp
Chloride	15	mg/L		1		A4500-Cl B	10/27/08 12:32 / jal
Magnesium	20	mg/L		1		E200.7	11/04/08 15:33 / cp
Nitrogen, Ammonia as N	0.3	mg/L		0.1		E350.1	10/23/08 13:53 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/22/08 15:03 / eli-b
Potassium	3	mg/L		1		E200.7	11/04/08 15:33 / cp
Sodium	338	mg/L	D	2		E200.7	11/04/08 15:33 / cp
Sulfate	629	mg/L	D	10		A4500-SO4 E	10/20/08 11:09 / jal
PHYSICAL PROPERTIES							
pH	7.78	s.u.		0.01		A4500-H B	10/20/08 10:36 / dd
Solids, Total Dissolved TDS @ 180 C	1130	mg/L		10		A2540 C	10/21/08 09:12 / jah
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	11/04/08 18:13 / ts
Beryllium	ND	mg/L		0.01		E200.8	11/04/08 18:13 / ts
Cadmium	ND	mg/L		0.005		E200.8	11/04/08 18:13 / ts
Cobalt	ND	mg/L		0.01		E200.8	11/04/08 18:13 / ts
Lead	ND	mg/L		0.05		E200.8	11/04/08 18:13 / ts
Manganese	0.05	mg/L		0.01		E200.8	11/04/08 18:13 / ts
Molybdenum	ND	mg/L		0.1		E200.8	11/04/08 18:13 / ts
Nickel	ND	mg/L		0.05		E200.8	11/04/08 18:13 / ts
Uranium	ND	mg/L		0.0003		E200.8	11/04/08 18:13 / ts
Vanadium	ND	mg/L		0.1		E200.8	11/04/08 18:13 / ts
METALS - SPECIATED							
Arsenic-III	0.001	mg/L		0.001		E1632AM	10/27/08 17:34 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/29/08 16:32 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.5	pCi/L				E900.1	10/30/08 16:48 / cgr
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	10/30/08 16:48 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 16:48 / cgr
Lead 210	-0.1	pCi/L	U			E909.0M	10/28/08 10:11 / dm
Lead 210 precision (±)	3.0	pCi/L				E909.0M	10/28/08 10:11 / dm
Lead 210 MDC	5.1	pCi/L				E909.0M	10/28/08 10:11 / dm
Radium 226	0.08	pCi/L	U			E903.0	11/10/08 16:41 / trs
Radium 226 precision (±)	0.14	pCi/L				E903.0	11/10/08 16:41 / trs
Radium 226 MDC	0.23	pCi/L				E903.0	11/10/08 16:41 / trs
Radium 228	0.57	pCi/L	U			RA-05	11/04/08 14:13 / plj
Radium 228 precision (±)	0.80	pCi/L				RA-05	11/04/08 14:13 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 14:13 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08100849-007
Client Sample ID: TWQ-142

Report Date: 11/17/08
Collection Date: 10/14/08 12:10
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.3	pCi/L		0.2		E907.0	10/30/08 15:45 / dmf
Thorium 230 precision (±)	0.9	pCi/L				E907.0	10/30/08 15:45 / dmf
DATA QUALITY							
A/C Balance (± 5)	1.88	%				Calculation	11/07/08 16:46 / sdw
Anions	17.8	meq/L				Calculation	11/07/08 16:46 / sdw
Cations	18.5	meq/L				Calculation	11/07/08 16:46 / sdw
Solids, Total Dissolved Calculated	1190	mg/L				Calculation	11/07/08 16:46 / sdw
TDS Balance (0.80 - 1.20)	0.950					Calculation	11/07/08 16:46 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/25/08 14:26 / jlr
Bromoform	ND	ug/L		0.50		E624	10/25/08 14:26 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	10/25/08 14:26 / jlr
Chloroform	ND	ug/L		0.50		E624	10/25/08 14:26 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/25/08 14:26 / jlr
Surr: 1,2-Dichlorobenzene-d4	109	%REC		80-120		E624	10/25/08 14:26 / jlr
Surr: Dibromofluoromethane	107	%REC		80-120		E624	10/25/08 14:26 / jlr
Surr: p-Bromofluorobenzene	94.0	%REC		80-120		E624	10/25/08 14:26 / jlr
Surr: Toluene-d8	89.0	%REC		80-120		E624	10/25/08 14:26 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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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:		10/14/2008	7/15/2008	4/16/2008	1/22/2008
Receive Date:		10/17/2008	7/18/2008	4/18/2008	1/25/2008
Report Date:		11/19/2008	9/3/2008	6/9/2008	4/3/2008
Analyte	Units	C08100849-007	C08070869-006	C08040890-001	C08011079-006
Bicarbonate as HCO3	mg/L	261	266	250	257
Calcium	mg/L	40	40	38.9	34.9
Chloride	mg/L	15	16	15	23
Magnesium	mg/L	20	20	19.0	16.7
Nitrogen, Ammonia as N	mg/L	0.3	0.23	0.18	0.14
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	0.1	0.3
Potassium	mg/L	3	4	3.5	3.9
Sodium	mg/L	338	341	346	320
Sulfate	mg/L	629	638	617	563
pH	s.u.	7.78	7.76	7.50	7.56
Solids, Total Dissolved TDS @ 180 C	mg/L	1130	1100	1060	1080
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	0.05	0.04	0.05	0.05
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	ND(0.0003)	ND(0.0006)	0.0004	0.0005
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.001	ND(0.003)	0.002	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	1.5	0.7	1.5	3.6
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.5	0.6	0.4	1.8
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.8		
Lead 210	pCi/L	-0.1	0.30	-0.8	6.1
Lead 210 precision (±)	pCi/L	3.0	4.4	1.9	1.6
Lead 210 MDC	pCi/L	5.1	7.4		
Radium 226	pCi/L	0.08	0.54	0.1	0.9
Radium 226 precision (±)	pCi/L	0.14	0.15	0.1	0.5
Radium 226 MDC	pCi/L	0.23	0.16	0.2	
Radium 228	pCi/L	0.57	0.71	0.7	ND(1.0)
Radium 228 precision (±)	pCi/L	0.80	0.65	0.6	
Radium 228 MDC	pCi/L	1.3	1.0	1.0	
Thorium 230	pCi/L	0.3	0.0	0.3	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.9	0.3	0.8	
A/C Balance (± 5)	%	1.88	1.22		1.68
Anions	meq/L	17.8	18.1		16.6
Cations	meq/L	18.5	18.5		17.2
Solids, Total Dissolved Calculated	mg/L	1190	1200		1090
TDS Balance (0.80 - 1.20)		0.950	0.920		0.990
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

**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: C08070869-004
Client Sample ID: EPA-2

Report Date: 09/02/08
Collection Date: 07/14/08 11:25
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	305	mg/L		1		A2320 B	07/21/08 23:13 / ljl
Calcium	352	mg/L		1		E200.7	07/28/08 18:55 / cp
Chloride	18	mg/L		1		A4500-Cl B	07/25/08 14:19 / jal
Magnesium	157	mg/L		1		E200.7	07/28/08 18:55 / cp
Nitrogen, Ammonia as N	0.29	mg/L		0.05		E350.1	07/23/08 13:02 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/28/08 15:41 / eli-b
Potassium	6	mg/L		1		E200.7	07/28/08 18:55 / cp
Sodium	192	mg/L	D	4		E200.7	07/28/08 18:55 / cp
Sulfate	1750	mg/L	D	60		A4500-SO4 E	07/24/08 12:04 / jal
PHYSICAL PROPERTIES							
pH	6.92	s.u.		0.01		A4500-H B	07/21/08 11:01 / jh
Solids, Total Dissolved TDS @ 180 C	2550	mg/L		10		A2540 C	07/21/08 09:01 / dd
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	07/25/08 02:30 / cp
Beryllium	ND	mg/L		0.01		E200.8	08/05/08 22:44 / ts
Cadmium	ND	mg/L		0.005		E200.8	08/02/08 00:00 / sml
Cobalt	ND	mg/L		0.01		E200.8	08/02/08 00:00 / sml
Lead	ND	mg/L		0.05		E200.8	08/02/08 00:00 / sml
Manganese	1.37	mg/L		0.01		E200.7	07/25/08 02:30 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/25/08 02:30 / cp
Nickel	ND	mg/L		0.05		E200.8	08/05/08 22:44 / ts
Uranium	0.0016	mg/L	D	0.0006		E200.8	08/02/08 00:00 / sml
Vanadium	ND	mg/L		0.1		E200.7	07/25/08 02:30 / cp
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	08/06/08 10:49 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/07/08 09:44 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.2	pCi/L				E900.1	07/31/08 16:19 / crw
Gross Alpha minus Rn & U Precision (±)	0.6	pCi/L				E900.1	07/31/08 16:19 / crw
Gross Alpha minus Rn & U MDC	0.8	pCi/L				E900.1	07/31/08 16:19 / crw
Lead 210	1.9	pCi/L	U			E909.0M	08/11/08 10:51 / dm
Lead 210 precision (±)	4.5	pCi/L				E909.0M	08/11/08 10:51 / dm
Lead 210 MDC	7.4	pCi/L				E909.0M	08/11/08 10:51 / dm
Radium 226	1.5	pCi/L				E903.0	08/26/08 08:40 / trs
Radium 226 precision (±)	0.22	pCi/L				E903.0	08/26/08 08:40 / trs
Radium 226 MDC	0.1	pCi/L				E903.0	08/26/08 08:40 / trs
Radium 228	3.1	pCi/L				RA-05	08/19/08 11:01 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08070869-004
Client Sample ID: EPA-2

Report Date: 09/02/08
Collection Date: 07/14/08 11:25
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision (±)	0.75	pCi/L				RA-05	08/19/08 11:01 / plj
Radium 228 MDC	1.0	pCi/L				RA-05	08/19/08 11:01 / plj
Thorium 230	-0.1	pCi/L	U	0.2		E907.0	08/18/08 17:27 / dmf
Thorium 230 precision (±)	0.2	pCi/L				E907.0	08/18/08 17:27 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-3.76	%				Calculation	07/29/08 19:45 / lab
Anions	42.0	meq/L				Calculation	07/29/08 19:45 / lab
Cations	39.0	meq/L				Calculation	07/29/08 19:45 / lab
Solids, Total Dissolved Calculated	2640	mg/L				Calculation	07/29/08 19:45 / lab
TDS Balance (0.80 - 1.20)	0.970					Calculation	07/29/08 19:45 / lab
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/22/08 00:38 / jlr
Bromoform	ND	ug/L		0.50		E624	07/22/08 00:38 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/22/08 00:38 / jlr
Chloroform	ND	ug/L		0.50		E624	07/22/08 00:38 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	07/22/08 00:38 / jlr
Surr: 1,2-Dichlorobenzene-d4	99.0	%REC		80-120		E624	07/22/08 00:38 / jlr
Surr: Dibromofluoromethane	100	%REC		80-120		E624	07/22/08 00:38 / jlr
Surr: p-Bromofluorobenzene	90.0	%REC		80-120		E624	07/22/08 00:38 / jlr
Surr: Toluene-d8	93.0	%REC		80-120		E624	07/22/08 00:38 / jlr

Report Definitions:
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QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08100849-005
Client Sample ID: EPA-2

Report Date: 11/17/08
Collection Date: 10/13/08 12:50
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	279	mg/L		1		A2320 B	10/20/08 14:08 / ljl
Calcium	364	mg/L		1		E200.7	11/04/08 14:33 / cp
Chloride	18	mg/L		1		A4500-Cl B	10/27/08 12:29 / jal
Magnesium	165	mg/L		1		E200.7	11/04/08 14:33 / cp
Nitrogen, Ammonia as N	0.3	mg/L		0.1		E350.1	10/23/08 13:50 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/22/08 13:53 / eli-b
Potassium	6	mg/L		1		E200.7	11/04/08 14:33 / cp
Sodium	195	mg/L	D	4		E200.7	11/04/08 14:33 / cp
Sulfate	1790	mg/L	D	60		A4500-SO4 E	10/20/08 11:02 / jal
PHYSICAL PROPERTIES							
pH	6.84	s.u.		0.01		A4500-H B	10/20/08 10:17 / dd
Solids, Total Dissolved TDS @ 180 C	2780	mg/L	H	10		A2540 C	10/21/08 09:11 / jah
- H - Sample was analyzed beyond recommended hold time due to receiving it with insufficient hold time remaining.							
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	11/04/08 17:59 / ts
Beryllium	ND	mg/L		0.01		E200.8	11/04/08 17:59 / ts
Cadmium	ND	mg/L		0.005		E200.8	11/04/08 17:59 / ts
Cobalt	ND	mg/L		0.01		E200.8	11/04/08 17:59 / ts
Lead	ND	mg/L		0.05		E200.8	11/04/08 17:59 / ts
Manganese	1.55	mg/L		0.01		E200.8	11/04/08 17:59 / ts
Molybdenum	ND	mg/L		0.1		E200.8	11/04/08 17:59 / ts
Nickel	ND	mg/L		0.05		E200.8	11/04/08 17:59 / ts
Uranium	0.0023	mg/L		0.0003		E200.8	11/04/08 17:59 / ts
Vanadium	ND	mg/L		0.1		E200.8	11/04/08 17:59 / ts
METALS - SPECIATED							
Arsenic-III	0.001	mg/L		0.001		E1632AM	10/27/08 17:01 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/29/08 16:23 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	2.5	pCi/L				E900.1	10/30/08 15:09 / cgr
Gross Alpha minus Rn & U Precision (±)	0.6	pCi/L				E900.1	10/30/08 15:09 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 15:09 / cgr
Lead 210	-0.7	pCi/L	U			E909.0M	10/28/08 10:11 / dm
Lead 210 precision (±)	3.0	pCi/L				E909.0M	10/28/08 10:11 / dm
Lead 210 MDC	5.1	pCi/L				E909.0M	10/28/08 10:11 / dm
Radium 226	0.86	pCi/L				E903.0	11/10/08 16:41 / trs
Radium 226 precision (±)	0.22	pCi/L				E903.0	11/10/08 16:41 / trs
Radium 226 MDC	0.22	pCi/L				E903.0	11/10/08 16:41 / trs
Radium 228	1.7	pCi/L				RA-05	11/04/08 14:13 / plj
Radium 228 precision (±)	0.85	pCi/L				RA-05	11/04/08 14:13 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 14:13 / plj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08100849-005
Client Sample ID: EPA-2

Report Date: 11/17/08
Collection Date: 10/13/08 12:50
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.2	pCi/L		0.2		E907.0	10/30/08 15:45 / dmf
Thorium 230 precision (±)	0.8	pCi/L				E907.0	10/30/08 15:45 / dmf
DATA QUALITY							
A/C Balance (± 5)	-2.46	%				Calculation	11/07/08 16:46 / sdw
Anions	42.4	meq/L				Calculation	11/07/08 16:46 / sdw
Cations	40.3	meq/L				Calculation	11/07/08 16:46 / sdw
Solids, Total Dissolved Calculated	2680	mg/L				Calculation	11/07/08 16:46 / sdw
TDS Balance (0.80 - 1.20)	1.04					Calculation	11/07/08 16:46 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/25/08 13:11 / jlr
Bromoform	ND	ug/L		0.50		E624	10/25/08 13:11 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	10/25/08 13:11 / jlr
Chloroform	ND	ug/L		0.50		E624	10/25/08 13:11 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/25/08 13:11 / jlr
Surr: 1,2-Dichlorobenzene-d4	106	%REC		80-120		E624	10/25/08 13:11 / jlr
Surr: Dibromofluoromethane	102	%REC		80-120		E624	10/25/08 13:11 / jlr
Surr: p-Bromofluorobenzene	92.0	%REC		80-120		E624	10/25/08 13:11 / jlr
Surr: Toluene-d8	100	%REC		80-120		E624	10/25/08 13:11 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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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:		10/13/2008	7/14/2008	4/14/2008	1/21/2008
Receive Date:		10/17/2008	7/18/2008	4/18/2008	1/25/2008
Report Date:		11/19/2008	9/3/2008	6/9/2008	4/3/2008
Analyte	Units	C08100849-005	C08070869-004	C08040890-002	C08011079-004
Bicarbonate as HCO3	mg/L	279	305	335	291
Calcium	mg/L	364	352	369	333
Chloride	mg/L	18	18	18	31
Magnesium	mg/L	165	157	153	145
Nitrogen, Ammonia as N	mg/L	0.3	0.29	0.36	0.37
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Potassium	mg/L	6	6	6.1	6.9
Sodium	mg/L	195	192	198	192
Sulfate	mg/L	1790	1750	1550	1480
pH	s.u.	6.84	6.92	7.16	6.99
Solids, Total Dissolved TDS @ 180 C	mg/L	2780	2550	2520	2580
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	1.55	1.37	1.28	1.21
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	0.0023	0.0016	0.0013	0.0017
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.001	ND(0.003)	0.002	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	2.5	1.2	2.4	1.6
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.6	0.6	0.5	0.7
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.8		
Lead 210	pCi/L	-0.7	1.9	-3.1	ND(1.0)
Lead 210 precision (±)	pCi/L	3.0	4.5	2.1	
Lead 210 MDC	pCi/L	5.1	7.4		
Radium 226	pCi/L	0.86	1.5	1.1	1.6
Radium 226 precision (±)	pCi/L	0.22	0.22	0.2	0.5
Radium 226 MDC	pCi/L	0.22	0.1	0.2	
Radium 228	pCi/L	1.7	3.1	2.7	ND(1.0)
Radium 228 precision (±)	pCi/L	0.85	0.75	0.7	
Radium 228 MDC	pCi/L	1.3	1.0	1.0	
Thorium 230	pCi/L	0.2	-0.1	0.7	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.8	0.2	0.9	
A/C Balance (± 5)	%	-2.46	-3.76		0.863
Anions	meq/L	42.4	42.0		36.6
Cations	meq/L	40.3	39.0		37.2
Solids, Total Dissolved Calculated	mg/L	2680	2640		2340
TDS Balance (0.80 - 1.20)		1.04	0.970		1.10
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

**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: C08070869-003
Client Sample ID: EPA-4

Report Date: 09/02/08
Collection Date: 07/14/08 10:30
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	167	mg/L		1		A2320 B	07/21/08 23:06 / ljl
Calcium	516	mg/L		1		E200.7	07/28/08 18:51 / cp
Chloride	31	mg/L		1		A4500-Cl B	07/25/08 14:06 / jal
Magnesium	384	mg/L		1		E200.7	07/28/08 18:51 / cp
Nitrogen, Ammonia as N	0.54	mg/L		0.05		E350.1	07/23/08 13:01 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/28/08 15:40 / eli-b
Potassium	8	mg/L		1		E200.7	07/28/08 18:51 / cp
Sodium	184	mg/L	D	4		E200.7	07/28/08 18:51 / cp
Sulfate	3240	mg/L	D	60		A4500-SO4 E	07/24/08 12:02 / jal
PHYSICAL PROPERTIES							
pH	6.71	s.u.		0.01		A4500-H B	07/21/08 10:59 / jh
Solids, Total Dissolved TDS @ 180 C	4420	mg/L		10		A2540 C	07/21/08 09:01 / dd
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	07/25/08 02:26 / cp
Beryllium	ND	mg/L		0.01		E200.8	08/05/08 21:02 / ts
Cadmium	ND	mg/L		0.005		E200.8	08/05/08 21:02 / ts
Cobalt	ND	mg/L		0.01		E200.8	08/05/08 21:02 / ts
Lead	ND	mg/L		0.05		E200.8	08/05/08 21:02 / ts
Manganese	3.65	mg/L		0.01		E200.7	07/25/08 02:26 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/25/08 02:26 / cp
Nickel	ND	mg/L		0.05		E200.8	08/05/08 21:02 / ts
Uranium	ND	mg/L	D	0.0005		E200.8	08/07/08 03:23 / sml
Vanadium	ND	mg/L		0.1		E200.7	07/25/08 02:26 / cp
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	08/01/08 12:23 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/07/08 09:42 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.0	pCi/L				E900.1	07/31/08 16:19 / crw
Gross Alpha minus Rn & U Precision (±)	0.6	pCi/L				E900.1	07/31/08 16:19 / crw
Gross Alpha minus Rn & U MDC	0.8	pCi/L				E900.1	07/31/08 16:19 / crw
Lead 210	0.10	pCi/L	U			E909.0M	08/11/08 10:51 / dm
Lead 210 precision (±)	4.4	pCi/L				E909.0M	08/11/08 10:51 / dm
Lead 210 MDC	7.4	pCi/L				E909.0M	08/11/08 10:51 / dm
Radium 226	1.4	pCi/L				E903.0	08/26/08 08:40 / trs
Radium 226 precision (±)	0.21	pCi/L				E903.0	08/26/08 08:40 / trs
Radium 226 MDC	0.1	pCi/L				E903.0	08/26/08 08:40 / trs
Radium 228	3.0	pCi/L				RA-05	08/19/08 11:01 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08070869-003
Client Sample ID: EPA-4

Report Date: 09/02/08
Collection Date: 07/14/08 10:30
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision (±)	0.74	pCi/L				RA-05	08/19/08 11:01 / plj
Radium 228 MDC	1.0	pCi/L				RA-05	08/19/08 11:01 / plj
Thorium 230	-0.3	pCi/L	U	0.2		E907.0	08/18/08 17:27 / dmf
Thorium 230 precision (±)	0.4	pCi/L				E907.0	08/18/08 17:27 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-3.95	%				Calculation	07/29/08 19:44 / lab
Anions	71.0	meq/L				Calculation	07/29/08 19:44 / lab
Cations	65.6	meq/L				Calculation	07/29/08 19:44 / lab
Solids, Total Dissolved Calculated	4450	mg/L				Calculation	07/29/08 19:44 / lab
TDS Balance (0.80 - 1.20)	0.990					Calculation	07/29/08 19:44 / lab
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/22/08 00:01 / jlr
Bromoform	ND	ug/L		0.50		E624	07/22/08 00:01 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/22/08 00:01 / jlr
Chloroform	ND	ug/L		0.50		E624	07/22/08 00:01 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	07/22/08 00:01 / jlr
Surr: 1,2-Dichlorobenzene-d4	111	%REC		80-120		E624	07/22/08 00:01 / jlr
Surr: Dibromofluoromethane	104	%REC		80-120		E624	07/22/08 00:01 / jlr
Surr: p-Bromofluorobenzene	96.0	%REC		80-120		E624	07/22/08 00:01 / jlr
Surr: Toluene-d8	90.0	%REC		80-120		E624	07/22/08 00:01 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08100849-004
Client Sample ID: EPA-4

Report Date: 11/17/08
Collection Date: 10/13/08 11:37
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	153	mg/L		1		A2320 B	10/20/08 14:00 / ljl
Calcium	561	mg/L		1		E200.7	11/04/08 14:28 / cp
Chloride	34	mg/L		1		A4500-Cl B	10/27/08 12:25 / jal
Magnesium	371	mg/L		1		E200.7	11/04/08 14:28 / cp
Nitrogen, Ammonia as N	0.9	mg/L		0.1		E350.1	10/23/08 13:49 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/22/08 13:51 / eli-b
Potassium	8	mg/L		1		E200.7	11/04/08 14:28 / cp
Sodium	177	mg/L	D	8		E200.7	11/04/08 14:28 / cp
Sulfate	3120	mg/L	D	100		A4500-SO4 E	10/20/08 11:00 / jal
PHYSICAL PROPERTIES							
pH	6.65	s.u.		0.01		A4500-H B	10/20/08 10:15 / dd
Solids, Total Dissolved TDS @ 180 C	4540	mg/L	H	10		A2540 C	10/21/08 09:11 / jah
- H - Sample was analyzed beyond recommended hold time due to receiving it with insufficient hold time remaining.							
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	11/04/08 15:50 / ts
Beryllium	ND	mg/L		0.01		E200.8	11/04/08 15:50 / ts
Cadmium	ND	mg/L		0.005		E200.8	11/04/08 15:50 / ts
Cobalt	ND	mg/L		0.01		E200.8	11/04/08 15:50 / ts
Lead	ND	mg/L		0.05		E200.8	11/04/08 15:50 / ts
Manganese	3.40	mg/L		0.01		E200.8	11/04/08 15:50 / ts
Molybdenum	ND	mg/L		0.1		E200.8	11/04/08 15:50 / ts
Nickel	ND	mg/L		0.05		E200.8	11/04/08 15:50 / ts
Uranium	0.0004	mg/L		0.0003		E200.8	11/04/08 15:50 / ts
Vanadium	ND	mg/L		0.1		E200.8	11/04/08 15:50 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/27/08 16:53 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/29/08 16:21 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	2.2	pCi/L				E900.1	10/30/08 15:09 / cgr
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	10/30/08 15:09 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 15:09 / cgr
Lead 210	-0.1	pCi/L	U			E909.0M	10/28/08 10:11 / dm
Lead 210 precision (±)	3.0	pCi/L				E909.0M	10/28/08 10:11 / dm
Lead 210 MDC	5.1	pCi/L				E909.0M	10/28/08 10:11 / dm
Radium 226	1.1	pCi/L				E903.0	11/10/08 15:05 / trs
Radium 226 precision (±)	0.24	pCi/L				E903.0	11/10/08 15:05 / trs
Radium 226 MDC	0.22	pCi/L				E903.0	11/10/08 15:05 / trs
Radium 228	2.6	pCi/L				RA-05	11/04/08 14:13 / plj
Radium 228 precision (±)	0.88	pCi/L				RA-05	11/04/08 14:13 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 14:13 / plj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08100849-004
Client Sample ID: EPA-4

Report Date: 11/17/08
Collection Date: 10/13/08 11:37
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	-0.3	pCi/L	U	0.2		E907.0	10/30/08 15:45 / dmf
Thorium 230 precision (±)	0.8	pCi/L				E907.0	10/30/08 15:45 / dmf
DATA QUALITY							
A/C Balance (± 5)	-1.48	%				Calculation	11/07/08 16:46 / sdw
Anions	68.5	meq/L				Calculation	11/07/08 16:46 / sdw
Cations	66.5	meq/L				Calculation	11/07/08 16:46 / sdw
Solids, Total Dissolved Calculated	4350	mg/L				Calculation	11/07/08 16:46 / sdw
TDS Balance (0.80 - 1.20)	1.04					Calculation	11/07/08 16:46 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/25/08 12:33 / jlr
Bromoform	ND	ug/L		0.50		E624	10/25/08 12:33 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	10/25/08 12:33 / jlr
Chloroform	ND	ug/L		0.50		E624	10/25/08 12:33 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/25/08 12:33 / jlr
Surr: 1,2-Dichlorobenzene-d4	104	%REC		80-120		E624	10/25/08 12:33 / jlr
Surr: Dibromofluoromethane	122	%REC	S	80-120		E624	10/25/08 12:33 / jlr
Surr: p-Bromofluorobenzene	84.0	%REC		80-120		E624	10/25/08 12:33 / jlr
Surr: Toluene-d8	99.0	%REC		80-120		E624	10/25/08 12:33 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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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:		10/13/2008	7/14/2008	4/14/2008	1/21/2008
Receive Date:		10/17/2008	7/18/2008	4/18/2008	1/25/2008
Report Date:		11/19/2008	9/3/2008	6/9/2008	4/3/2008
Analyte	Units	C08100849-004	C08070869-003	C08040890-004	C08011079-001
Bicarbonate as HCO3	mg/L	153	167	167	174
Calcium	mg/L	561	516	578	533
Chloride	mg/L	34	31	35	44
Magnesium	mg/L	371	384	396	359
Nitrogen, Ammonia as N	mg/L	0.9	0.54	0.61	0.56
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	0.1
Potassium	mg/L	8	8	8.4	8.5
Sodium	mg/L	177	184	183	140
Sulfate	mg/L	3120	3240	2980	2820
pH	s.u.	6.65	6.71	6.83	7.07
Solids, Total Dissolved TDS @ 180 C	mg/L	4540	4420	4380	4250
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	3.40	3.65	3.48	3.46
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0004	ND(0.0005)	0.0004	0.0005
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.003)	0.002	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	2.2	1.0	2.5	1.5
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.5	0.6	0.5	0.6
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.8		
Lead 210	pCi/L	-0.1	0.10	0.7	4.4
Lead 210 precision (±)	pCi/L	3.0	4.4	1.8	1.4
Lead 210 MDC	pCi/L	5.1	7.4		
Radium 226	pCi/L	1.1	1.4	1.2	1.7
Radium 226 precision (±)	pCi/L	0.24	0.21	0.2	0.4
Radium 226 MDC	pCi/L	0.22	0.1	0.2	
Radium 228	pCi/L	2.6	3.0	3.0	ND(1.0)
Radium 228 precision (±)	pCi/L	0.88	0.74	0.7	
Radium 228 MDC	pCi/L	1.3	1.0	1.0	
Thorium 230	pCi/L	-0.3	-0.3	0.2	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.8	0.4	0.5	
A/C Balance (± 5)	%	-1.48	-3.95		-0.100
Anions	meq/L	68.5	71.0		62.9
Cations	meq/L	66.5	65.6		62.7
Solids, Total Dissolved Calculated	mg/L	4350	4450		4000
TDS Balance (0.80 - 1.20)		1.04	0.990		1.06
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

**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: C08070869-002
Client Sample ID: EPA-5

Report Date: 09/02/08
Collection Date: 07/14/08 09:45
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	95	mg/L		1		A2320 B	07/21/08 22:59 / ljl
Calcium	486	mg/L		1		E200.7	07/28/08 18:46 / cp
Chloride	48	mg/L		1		A4500-Cl B	07/25/08 14:04 / jal
Magnesium	514	mg/L		1		E200.7	07/28/08 18:46 / cp
Nitrogen, Ammonia as N	10.3	mg/L	D	0.1		E350.1	07/28/08 13:28 / eli-b
Nitrogen, Nitrate+Nitrite as N	17.9	mg/L		0.1		E353.2	07/28/08 15:38 / eli-b
Potassium	8	mg/L		1		E200.7	07/28/08 18:46 / cp
Sodium	115	mg/L	D	4		E200.7	07/28/08 18:46 / cp
Sulfate	3480	mg/L	D	60		A4500-SO4 E	07/24/08 11:55 / jal
PHYSICAL PROPERTIES							
pH	6.28	s.u.		0.01		A4500-H B	07/21/08 10:57 / jh
Solids, Total Dissolved TDS @ 180 C	4530	mg/L		10		A2540 C	07/21/08 09:01 / dd
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	07/25/08 02:10 / cp
Beryllium	ND	mg/L		0.01		E200.8	08/05/08 20:56 / ts
Cadmium	ND	mg/L		0.005		E200.8	08/05/08 20:56 / ts
Cobalt	0.04	mg/L		0.01		E200.8	08/05/08 20:56 / ts
Lead	ND	mg/L		0.05		E200.8	08/05/08 20:56 / ts
Manganese	1.15	mg/L		0.01		E200.7	07/25/08 02:10 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/25/08 02:10 / cp
Nickel	ND	mg/L		0.05		E200.8	08/05/08 20:56 / ts
Uranium	0.0013	mg/L	D	0.0005		E200.8	08/07/08 03:19 / sml
Vanadium	ND	mg/L		0.1		E200.7	07/25/08 02:10 / cp
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	08/01/08 12:15 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/07/08 09:40 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.3	pCi/L				E900.1	07/31/08 16:19 / crw
Gross Alpha minus Rn & U Precision (±)	0.6	pCi/L				E900.1	07/31/08 16:19 / crw
Gross Alpha minus Rn & U MDC	0.8	pCi/L				E900.1	07/31/08 16:19 / crw
Lead 210	3.3	pCi/L	U			E909.0M	08/11/08 10:51 / dm
Lead 210 precision (±)	4.5	pCi/L				E909.0M	08/11/08 10:51 / dm
Lead 210 MDC	7.4	pCi/L				E909.0M	08/11/08 10:51 / dm
Radium 226	1.8	pCi/L				E903.0	08/26/08 17:11 / trs
Radium 226 precision (±)	0.23	pCi/L				E903.0	08/26/08 17:11 / trs
Radium 226 MDC	0.09	pCi/L				E903.0	08/26/08 17:11 / trs
Radium 228	3.4	pCi/L				RA-05	08/19/08 08:46 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08070869-002
Client Sample ID: EPA-5

Report Date: 09/02/08
Collection Date: 07/14/08 09:45
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision (±)	0.82	pCi/L				RA-05	08/19/08 08:46 / plj
Radium 228 MDC	1.1	pCi/L				RA-05	08/19/08 08:46 / plj
Thorium 230	0.0	pCi/L	U	0.2		E907.0	08/18/08 17:27 / dmf
Thorium 230 precision (±)	0.1	pCi/L				E907.0	08/18/08 17:27 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-2.46	%				Calculation	07/29/08 19:44 / lab
Anions	75.4	meq/L				Calculation	07/29/08 19:44 / lab
Cations	71.7	meq/L				Calculation	07/29/08 19:44 / lab
Solids, Total Dissolved Calculated	4700	mg/L				Calculation	07/29/08 19:44 / lab
TDS Balance (0.80 - 1.20)	0.960					Calculation	07/29/08 19:44 / lab
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/21/08 23:22 / jlr
Bromoform	ND	ug/L		0.50		E624	07/21/08 23:22 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/21/08 23:22 / jlr
Chloroform	ND	ug/L		0.50		E624	07/21/08 23:22 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	07/21/08 23:22 / jlr
Surr: 1,2-Dichlorobenzene-d4	100	%REC		80-120		E624	07/21/08 23:22 / jlr
Surr: Dibromofluoromethane	106	%REC		80-120		E624	07/21/08 23:22 / jlr
Surr: p-Bromofluorobenzene	89.0	%REC		80-120		E624	07/21/08 23:22 / jlr
Surr: Toluene-d8	94.0	%REC		80-120		E624	07/21/08 23:22 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08100849-003
Client Sample ID: EPA-5

Report Date: 11/17/08
Collection Date: 10/13/08 10:50
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	66	mg/L		1		A2320 B	10/20/08 13:54 / ijl
Calcium	470	mg/L		1		E200.7	11/04/08 14:24 / cp
Chloride	46	mg/L		1		A4500-Cl B	10/27/08 12:24 / jal
Magnesium	506	mg/L		1		E200.7	11/04/08 14:24 / cp
Nitrogen, Ammonia as N	10.2	mg/L		0.1		E350.1	10/23/08 13:46 / eli-b
Nitrogen, Nitrate+Nitrite as N	16.1	mg/L		0.1		E353.2	10/22/08 14:56 / eli-b
Potassium	8	mg/L		1		E200.7	11/04/08 14:24 / cp
Sodium	118	mg/L	D	8		E200.7	11/04/08 14:24 / cp
Sulfate	3360	mg/L	D	60		A4500-SO4 E	10/20/08 10:59 / jal
PHYSICAL PROPERTIES							
pH	6.36	s.u.		0.01		A4500-H B	10/20/08 10:13 / dd
Solids, Total Dissolved TDS @ 180 C	4960	mg/L	H	10		A2540 C	10/21/08 09:10 / jah
- H - Sample was analyzed beyond recommended hold time due to receiving it with insufficient hold time remaining.							
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	11/04/08 15:43 / ts
Beryllium	ND	mg/L		0.01		E200.8	11/04/08 15:43 / ts
Cadmium	ND	mg/L		0.005		E200.8	11/04/08 15:43 / ts
Cobalt	0.04	mg/L		0.01		E200.8	11/04/08 15:43 / ts
Lead	ND	mg/L		0.05		E200.8	11/04/08 15:43 / ts
Manganese	1.09	mg/L		0.01		E200.8	11/04/08 15:43 / ts
Molybdenum	ND	mg/L		0.1		E200.8	11/04/08 15:43 / ts
Nickel	ND	mg/L		0.05		E200.8	11/04/08 15:43 / ts
Uranium	0.0014	mg/L		0.0003		E200.8	11/04/08 15:43 / ts
Vanadium	ND	mg/L		0.1		E200.8	11/04/08 15:43 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/27/08 16:45 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/29/08 16:18 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.9	pCi/L				E900.1	10/30/08 15:09 / cgr
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	10/30/08 15:09 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 15:09 / cgr
Lead 210	-2	pCi/L	U			E909.0M	10/28/08 10:11 / dm
Lead 210 precision (±)	6.1	pCi/L				E909.0M	10/28/08 10:11 / dm
Lead 210 MDC	10.2	pCi/L				E909.0M	10/28/08 10:11 / dm
Radium 226	1.5	pCi/L				E903.0	11/10/08 15:05 / trs
Radium 226 precision (±)	0.26	pCi/L				E903.0	11/10/08 15:05 / trs
Radium 226 MDC	0.22	pCi/L				E903.0	11/10/08 15:05 / trs
Radium 228	2.6	pCi/L				RA-05	11/04/08 14:13 / plj
Radium 228 precision (±)	0.88	pCi/L				RA-05	11/04/08 14:13 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 14:13 / plj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08100849-003
Client Sample ID: EPA-5

Report Date: 11/17/08
Collection Date: 10/13/08 10:50
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.2	pCi/L		0.2		E907.0	10/30/08 15:45 / dmf
Thorium 230 precision (±)	0.6	pCi/L				E907.0	10/30/08 15:45 / dmf
DATA QUALITY							
A/C Balance (± 5)	-1.59	%				Calculation	11/07/08 16:46 / sdw
Anions	73.4	meq/L				Calculation	11/07/08 16:46 / sdw
Cations	71.1	meq/L				Calculation	11/07/08 16:46 / sdw
Solids, Total Dissolved Calculated	4610	mg/L				Calculation	11/07/08 16:46 / sdw
TDS Balance (0.80 - 1.20)	1.08					Calculation	11/07/08 16:46 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/25/08 11:55 / jlr
Bromoform	ND	ug/L		0.50		E624	10/25/08 11:55 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	10/25/08 11:55 / jlr
Chloroform	ND	ug/L		0.50		E624	10/25/08 11:55 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/25/08 11:55 / jlr
Surr: 1,2-Dichlorobenzene-d4	101	%REC		80-120		E624	10/25/08 11:55 / jlr
Surr: Dibromofluoromethane	105	%REC		80-120		E624	10/25/08 11:55 / jlr
Surr: p-Bromofluorobenzene	88.0	%REC		80-120		E624	10/25/08 11:55 / jlr
Surr: Toluene-d8	98.0	%REC		80-120		E624	10/25/08 11:55 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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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:		10/13/2008	7/14/2008	4/14/2008	1/21/2008
Receive Date:		10/17/2008	7/18/2008	4/18/2008	1/25/2008
Report Date:		11/19/2008	9/3/2008	6/9/2008	4/3/2008
Analyte	Units	C08100849-003	C08070869-002	C08040890-005	C08011079-002
Bicarbonate as HCO3	mg/L	66	95	101	72
Calcium	mg/L	470	486	498	462
Chloride	mg/L	46	48	48	59
Magnesium	mg/L	506	514	536	497
Nitrogen, Ammonia as N	mg/L	10.2	10.3	10.4	5.2
Nitrogen, Nitrate+Nitrite as N	mg/L	16.1	17.9	19.8	18.9
Potassium	mg/L	8	8	8.9	9.9
Sodium	mg/L	118	115	118	97.1
Sulfate	mg/L	3360	3480	3240	3050
pH	s.u.	6.36	6.28	6.16	6.65
Solids, Total Dissolved TDS @ 180 C	mg/L	4960	4530	4620	4710
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.04	0.04	0.04	0.04
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	1.09	1.15	1.08	0.98
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0014	0.0013	0.0015	0.0014
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.003)	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	1.9	1.3	2.9	2.3
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.5	0.6	0.5	0.7
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.8		
Lead 210	pCi/L	-2	3.3	-6.3	ND(1.0)
Lead 210 precision (±)	pCi/L	6.1	4.5	2.4	
Lead 210 MDC	pCi/L	10.2	7.4		
Radium 226	pCi/L	1.5	1.8	1.3	1.8
Radium 226 precision (±)	pCi/L	0.26	0.23	0.2	0.5
Radium 226 MDC	pCi/L	0.22	0.09	0.2	
Radium 228	pCi/L	2.6	3.4	2.5	ND(1.0)
Radium 228 precision (±)	pCi/L	0.88	0.82	0.7	
Radium 228 MDC	pCi/L	1.3	1.1	1.0	
Thorium 230	pCi/L	0.2	0.0	0.7	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.6	0.1	0.9	
A/C Balance (± 5)	%	-1.59	-2.46		0.885
Anions	meq/L	73.4	75.4		67.7
Cations	meq/L	71.1	71.7		68.9
Solids, Total Dissolved Calculated	mg/L	4610	4700		4290
TDS Balance (0.80 - 1.20)		1.08	0.960		1.10
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

**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: C08070869-001
Client Sample ID: EPA-7

Revised Date: 11/04/08
Report Date: 09/02/08
Collection Date: 07/14/08 08:50
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	619	mg/L		1		A2320 B	07/21/08 22:53 / ljl
Calcium	466	mg/L		1		E200.7	07/28/08 17:54 / cp
Chloride	222	mg/L		1		A4500-Cl B	07/25/08 14:03 / jal
Magnesium	885	mg/L		1		E200.7	07/28/08 17:54 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	07/23/08 12:59 / eli-b
Nitrogen, Nitrate+Nitrite as N	193	mg/L	D	0.2		E353.2	07/28/08 15:37 / eli-b
Potassium	8	mg/L		1		E200.7	07/28/08 17:54 / cp
Sodium	343	mg/L	D	8		E200.7	07/28/08 17:54 / cp
Sulfate	4700	mg/L	D	60		A4500-SO4 E	07/24/08 11:51 / jal
PHYSICAL PROPERTIES							
pH	6.37	s.u.		0.01		A4500-H B	07/21/08 10:56 / jah
Solids, Total Dissolved TDS @ 180 C	7830	mg/L		10		A2540 C	07/21/08 09:01 / dd
METALS - TOTAL							
Aluminum	0.5	mg/L		0.1		E200.7	07/25/08 02:06 / cp
Beryllium	ND	mg/L		0.01		E200.8	08/05/08 20:49 / ts
Cadmium	ND	mg/L		0.005		E200.8	08/05/08 20:49 / ts
Cobalt	0.02	mg/L		0.01		E200.8	08/05/08 20:49 / ts
Lead	ND	mg/L		0.05		E200.8	08/05/08 20:49 / ts
Manganese	1.78	mg/L		0.01		E200.7	07/25/08 02:06 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/25/08 02:06 / cp
Nickel	ND	mg/L		0.05		E200.8	08/05/08 20:49 / ts
Uranium	0.0017	mg/L	D	0.0005		E200.8	08/07/08 03:15 / sml
Vanadium	ND	mg/L		0.1		E200.7	07/25/08 02:06 / cp
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	08/01/08 11:49 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/07/08 09:38 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	0.7	pCi/L	U			E900.1	07/31/08 16:19 / crw
Gross Alpha minus Rn & U Precision (±)	0.6	pCi/L				E900.1	07/31/08 16:19 / crw
Gross Alpha minus Rn & U MDC	0.8	pCi/L				E900.1	07/31/08 16:19 / crw
Lead 210	5.0	pCi/L	U			E909.0M	08/11/08 10:51 / dm
Lead 210 precision (±)	4.5	pCi/L				E909.0M	08/11/08 10:51 / dm
Lead 210 MDC	7.4	pCi/L				E909.0M	08/11/08 10:51 / dm
Radium 226	0.57	pCi/L				E903.0	08/26/08 17:11 / trs
Radium 226 precision (±)	0.13	pCi/L				E903.0	08/26/08 17:11 / trs
Radium 226 MDC	0.09	pCi/L				E903.0	08/26/08 17:11 / trs
Radium 228	1.7	pCi/L				RA-05	08/19/08 08:46 / plj
Radium 228 precision (±)	0.75	pCi/L				RA-05	08/19/08 08:46 / plj
Radium 228 MDC	1.1	pCi/L				RA-05	08/19/08 08:46 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08070869-001
Client Sample ID: EPA-7

Revised Date: 11/04/08
Report Date: 09/02/08
Collection Date: 07/14/08 08:50
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.3	pCi/L		0.2		E907.0	08/18/08 17:27 / dmf
Thorium 230 precision (±)	0.5	pCi/L				E907.0	08/18/08 17:27 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-1.33	%				Calculation	07/29/08 19:44 / lab
Anions	114	meq/L				Calculation	07/29/08 19:44 / lab
Cations	111	meq/L				Calculation	07/29/08 19:44 / lab
Solids, Total Dissolved Calculated	6930	mg/L				Calculation	07/29/08 19:44 / lab
TDS Balance (0.80 - 1.20)	1.13					Calculation	07/29/08 19:44 / lab
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/21/08 17:03 / jlr
Bromoform	ND	ug/L		0.50		E624	07/21/08 17:03 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/21/08 17:03 / jlr
Chloroform	0.57	ug/L		0.50		E624	07/21/08 17:03 / jlr
Trihalomethanes, Total	0.57	ug/L		0.50		E624	07/21/08 17:03 / jlr
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC		80-120		E624	07/21/08 17:03 / jlr
Surr: Dibromofluoromethane	110	%REC		80-120		E624	07/21/08 17:03 / jlr
Surr: p-Bromofluorobenzene	89.0	%REC		80-120		E624	07/21/08 17:03 / jlr
Surr: Toluene-d8	89.0	%REC		80-120		E624	07/21/08 17:03 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client:	United Nuclear Corp	**Report Date:**	11/17/08
Project:	Zone 1	**Collection Date:**	10/13/08 10:15
Lab ID:	C08100849-002	**DateReceived:**	10/17/08
Client Sample ID:	EPA-7	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	611	mg/L		1		A2320 B	10/20/08 13:30 / ljl
Calcium	543	mg/L		1		E200.7	11/03/08 15:50 / cp
Chloride	201	mg/L		1		A4500-Cl B	10/27/08 12:23 / jal
Magnesium	1050	mg/L		1		E200.7	11/03/08 15:50 / cp
Nitrogen, Ammonia as N	0.2	mg/L		0.1		E350.1	10/23/08 13:34 / eli-b
Nitrogen, Nitrate+Nitrite as N	174	mg/L	D	0.2		E353.2	10/22/08 12:04 / eli-b
Potassium	8	mg/L		1		E200.7	11/03/08 15:50 / cp
Sodium	393	mg/L	D	8		E200.7	11/03/08 15:50 / cp
Sulfate	4800	mg/L	D	100		A4500-SO4 E	10/20/08 10:56 / jal
PHYSICAL PROPERTIES							
pH	6.24	s.u.		0.01		A4500-H B	10/20/08 10:12 / dd
Solids, Total Dissolved TDS @ 180 C	8010	mg/L	H	10		A2540 C	10/21/08 09:09 / jah
- H - Sample was analyzed beyond recommended hold time due to receiving it with insufficient hold time remaining.							
METALS - TOTAL							
Aluminum	0.3	mg/L		0.1		E200.8	11/07/08 16:15 / sml
Beryllium	ND	mg/L		0.01		E200.8	11/07/08 16:15 / sml
Cadmium	ND	mg/L		0.005		E200.8	11/07/08 16:15 / sml
Cobalt	0.02	mg/L		0.01		E200.8	11/07/08 16:15 / sml
Lead	ND	mg/L		0.05		E200.8	11/07/08 16:15 / sml
Manganese	1.53	mg/L		0.01		E200.8	11/07/08 16:15 / sml
Molybdenum	ND	mg/L		0.1		E200.8	11/07/08 16:15 / sml
Nickel	ND	mg/L		0.05		E200.8	11/07/08 16:15 / sml
Uranium	0.0019	mg/L		0.0003		E200.8	11/07/08 16:15 / sml
Vanadium	ND	mg/L		0.1		E200.8	11/07/08 16:15 / sml
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/27/08 16:37 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/29/08 16:16 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.5	pCi/L				E900.1	10/30/08 15:08 / cgr
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	10/30/08 15:08 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 15:08 / cgr
Lead 210	-2	pCi/L	U			E909.0M	10/28/08 10:11 / dm
Lead 210 precision (±)	3.0	pCi/L				E909.0M	10/28/08 10:11 / dm
Lead 210 MDC	5.1	pCi/L				E909.0M	10/28/08 10:11 / dm
Radium 226	0.22	pCi/L				E903.0	11/10/08 15:05 / trs
Radium 226 precision (±)	0.14	pCi/L				E903.0	11/10/08 15:05 / trs
Radium 226 MDC	0.19	pCi/L				E903.0	11/10/08 15:05 / trs
Radium 228	0.66	pCi/L	U			RA-05	11/04/08 14:13 / plj
Radium 228 precision (±)	0.80	pCi/L				RA-05	11/04/08 14:13 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 14:13 / plj

Report Definitions:

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QCL - Quality control limit.
MDC - Minimum detectable concentration
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08100849-002
Client Sample ID: EPA-7

Report Date: 11/17/08
Collection Date: 10/13/08 10:15
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	-0.2	pCi/L	U	0.2		E907.0	10/30/08 15:45 / dmf
Thorium 230 precision (±)	0.7	pCi/L				E907.0	10/30/08 15:45 / dmf
DATA QUALITY							
A/C Balance (± 5)	1.12	%				Calculation	11/07/08 16:45 / sdw
Anions	128	meq/L				Calculation	11/07/08 16:45 / sdw
Cations	131	meq/L				Calculation	11/07/08 16:45 / sdw
Solids, Total Dissolved Calculated	8060	mg/L				Calculation	11/07/08 16:45 / sdw
TDS Balance (0.80 - 1.20)	0.990					Calculation	11/07/08 16:45 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/25/08 11:17 / jlr
Bromoform	ND	ug/L		0.50		E624	10/25/08 11:17 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	10/25/08 11:17 / jlr
Chloroform	0.60	ug/L		0.50		E624	10/25/08 11:17 / jlr
Trihalomethanes, Total	0.60	ug/L		0.50		E624	10/25/08 11:17 / jlr
Surr: 1,2-Dichlorobenzene-d4	101	%REC		80-120		E624	10/25/08 11:17 / jlr
Surr: Dibromofluoromethane	119	%REC		80-120		E624	10/25/08 11:17 / jlr
Surr: p-Bromofluorobenzene	90.0	%REC		80-120		E624	10/25/08 11:17 / jlr
Surr: Toluene-d8	94.0	%REC		80-120		E624	10/25/08 11:17 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 1 Monitor Wells					
Well ID:		EPA-7	EPA-7	EPA-7	EPA-7
Collection Date:		10/13/2008	7/14/2008	4/14/2008	1/21/2008
Receive Date:		10/17/2008	7/18/2008	4/18/2008	1/25/2008
Report Date:		11/19/2008	9/3/2008	6/9/2008	4/3/2008
Analyte	Units	C08100849-002	C08070869-001	C08040890-006	C08011079-003
Bicarbonate as HCO3	mg/L	611	619	596	608
Calcium	mg/L	543	466	520	500
Chloride	mg/L	201	222	208	221
Magnesium	mg/L	1050	885	987	915
Nitrogen, Ammonia as N	mg/L	0.2	ND(0.05)	0.08	0.19
Nitrogen, Nitrate+Nitrite as N	mg/L	174	193	200	127
Potassium	mg/L	8	8	7.8	9.2
Sodium	mg/L	393	343	364	368
Sulfate	mg/L	4800	4700	4760	4190
pH	s.u.	6.24	6.37	6.43	6.53
Solids, Total Dissolved TDS @ 180 C	mg/L	8010	7830	7280	7690
Aluminum	mg/L	0.3	0.5	0.4	1.3
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.02	0.02	0.02	0.02
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	1.53	1.78	1.80	1.74
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	0.0019	0.0017	0.0017	0.0022
Vanadium	mg/L	ND(0.1)	ND(0.1)	0.2	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.003)	0.001	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	1.5	0.7	1.9	1.6
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.5	0.6	0.4	0.7
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.8		
Lead 210	pCi/L	-2	5.0	-6.7	ND(1.0)
Lead 210 precision (±)	pCi/L	3.0	4.5	2.4	
Lead 210 MDC	pCi/L	5.1	7.4		
Radium 226	pCi/L	0.22	0.57	0.4	1.3
Radium 226 precision (±)	pCi/L	0.14	0.13	0.1	0.4
Radium 226 MDC	pCi/L	0.19	0.09	0.2	
Radium 228	pCi/L	0.66	1.7	1.0	ND(1.0)
Radium 228 precision (±)	pCi/L	0.80	0.75	0.7	
Radium 228 MDC	pCi/L	1.3	1.1	1.0	
Thorium 230	pCi/L	-0.2	0.3	0.6	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.7	0.5	0.8	
A/C Balance (± 5)	%	1.12	-1.33		1.87
Anions	meq/L	128	114		113
Cations	meq/L	131	111		117
Solids, Total Dissolved Calculated	mg/L	8060	6930		7070
TDS Balance (0.80 - 1.20)		0.990	1.13		1.09
Trihalomethanes, Total	ug/L	0.60	0.57	0.76	0.60

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

QUARTERLY SAMPLING

SEMI-ANNUAL GROUND WATER MONITORING REPORT

JULY AND OCTOBER OF 2008

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**

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08070864-011
Client Sample ID: 504-B

Report Date: 09/05/08
Collection Date: 07/15/08 16:15
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	ND	mg/L		1		A2320 B	07/21/08 20:38 / ljl
Calcium	437	mg/L		1		E200.7	08/01/08 16:29 / cp
Chloride	26	mg/L		1		A4500-Cl B	07/25/08 13:49 / jal
Magnesium	607	mg/L		1		E200.7	08/01/08 16:29 / cp
Nitrogen, Ammonia as N	0.36	mg/L		0.05		E350.1	07/23/08 12:57 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/28/08 15:30 / eli-b
Potassium	12	mg/L		1		E200.7	08/01/08 16:29 / cp
Sodium	140	mg/L	D	8		E200.7	08/01/08 16:29 / cp
Sulfate	3940	mg/L	D	60		A4500-SO4 E	07/31/08 11:45 / jal
PHYSICAL PROPERTIES							
pH	3.90	s.u.		0.01		A4500-H B	07/21/08 11:20 / jah
Solids, Total Dissolved TDS @ 180 C	5950	mg/L		10		A2540 C	07/21/08 16:26 / dd
METALS - TOTAL							
Aluminum	2.9	mg/L		0.1		E200.8	08/02/08 08:30 / sml
Beryllium	ND	mg/L		0.01		E200.8	07/30/08 09:29 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/30/08 09:29 / ts
Cobalt	0.22	mg/L		0.01		E200.8	07/30/08 09:29 / ts
Lead	ND	mg/L		0.05		E200.8	07/30/08 09:29 / ts
Manganese	6.62	mg/L		0.01		E200.8	07/30/08 09:29 / ts
Molybdenum	3.5	mg/L		0.1		E200.8	07/30/08 09:29 / ts
Nickel	0.26	mg/L		0.05		E200.8	07/30/08 09:29 / ts
Uranium	0.0318	mg/L		0.0003		E200.8	08/02/08 08:30 / sml
Vanadium	ND	mg/L		0.1		E200.8	07/30/08 09:29 / ts
METALS - SPECIATED							
Arsenic-III	0.003	mg/L		0.003		E1632AM	08/01/08 11:40 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/07/08 09:36 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	13.2	pCi/L				E900.1	08/11/08 10:19 / crw
Gross Alpha minus Rn & U Precision (±)	1.1	pCi/L				E900.1	08/11/08 10:19 / crw
Gross Alpha minus Rn & U MDC	0.3	pCi/L				E900.1	08/11/08 10:19 / crw
Lead 210	4.5	pCi/L	U			E909.0M	07/28/08 08:15 / dm
Lead 210 precision (±)	6.8	pCi/L				E909.0M	07/28/08 08:15 / dm
Lead 210 MDC	11.3	pCi/L				E909.0M	07/28/08 08:15 / dm
Radium 226	12	pCi/L				E903.0	08/26/08 17:11 / trs
Radium 226 precision (±)	0.56	pCi/L				E903.0	08/26/08 17:11 / trs
Radium 226 MDC	0.09	pCi/L				E903.0	08/26/08 17:11 / trs
Radium 228	20	pCi/L				RA-05	08/19/08 08:46 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08070864-011
Client Sample ID: 504-B

Report Date: 09/05/08
Collection Date: 07/15/08 16:15
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision (±)	1.3	pCi/L				RA-05	08/19/08 08:46 / plj
Radium 228 MDC	1.1	pCi/L				RA-05	08/19/08 08:46 / plj
Thorium 230	0.0	pCi/L	U	0.2		E907.0	08/18/08 17:27 / dmf
Thorium 230 precision (±)	0.1	pCi/L				E907.0	08/18/08 17:27 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-2.91	%				Calculation	09/05/08 11:17 / sec
Anions	82.9	meq/L				Calculation	09/05/08 11:17 / sec
Cations	78.2	meq/L				Calculation	09/05/08 11:17 / sec
Solids, Total Dissolved Calculated	5170	mg/L				Calculation	09/05/08 11:17 / sec
TDS Balance (0.80 - 1.20)	1.15					Calculation	09/05/08 11:17 / sec
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/21/08 22:45 / jlr
Bromoform	ND	ug/L		0.50		E624	07/21/08 22:45 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/21/08 22:45 / jlr
Chloroform	ND	ug/L		0.50		E624	07/21/08 22:45 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	07/21/08 22:45 / jlr
Surr: 1,2-Dichlorobenzene-d4	103	%REC		80-120		E624	07/21/08 22:45 / jlr
Surr: Dibromofluoromethane	110	%REC		80-120		E624	07/21/08 22:45 / jlr
Surr: p-Bromofluorobenzene	92.0	%REC		80-120		E624	07/21/08 22:45 / jlr
Surr: Toluene-d8	88.0	%REC		80-120		E624	07/21/08 22:45 / jlr

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08100853-006
Client Sample ID: 504-B

Report Date: 11/19/08
Collection Date: 10/13/08 18:10
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	ND	mg/L		1		A2320 B	10/20/08 15:44 / ljl
Calcium	439	mg/L		1		E200.7	11/05/08 12:41 / cp
Chloride	23	mg/L		1		A4500-Cl B	10/27/08 13:36 / jal
Magnesium	601	mg/L		1		E200.7	11/05/08 12:41 / cp
Nitrogen, Ammonia as N	0.9	mg/L	D	0.4		E350.1	10/27/08 12:04 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/22/08 15:09 / eli-b
Potassium	12	mg/L		1		E200.7	11/05/08 12:41 / cp
Sodium	142	mg/L	D	8		E200.7	11/05/08 12:41 / cp
Sulfate	4060	mg/L	D	60		A4500-SO4 E	10/20/08 12:06 / jal
PHYSICAL PROPERTIES							
pH	3.66	s.u.		0.01		A4500-H B	10/20/08 13:13 / dd
Solids, Total Dissolved TDS @ 180 C	5750	mg/L		10		A2540 C	10/20/08 15:17 / jah
METALS - TOTAL							
Aluminum	0.6	mg/L		0.1		E200.8	11/04/08 20:01 / ts
Beryllium	ND	mg/L		0.01		E200.8	11/04/08 20:01 / ts
Cadmium	ND	mg/L		0.005		E200.8	11/04/08 20:01 / ts
Cobalt	0.23	mg/L		0.01		E200.8	11/04/08 20:01 / ts
Lead	ND	mg/L		0.05		E200.8	11/04/08 20:01 / ts
Manganese	6.44	mg/L		0.01		E200.8	11/04/08 20:01 / ts
Molybdenum	2.6	mg/L		0.1		E200.8	11/04/08 20:01 / ts
Nickel	0.26	mg/L		0.05		E200.8	11/04/08 20:01 / ts
Uranium	0.0274	mg/L		0.0003		E200.8	11/04/08 20:01 / ts
Vanadium	ND	mg/L		0.1		E200.8	11/04/08 20:01 / ts
METALS - SPECIATED							
Arsenic-III	0.005	mg/L		0.001		E1632AM	10/24/08 15:51 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/30/08 10:32 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	19.5	pCi/L				E900.1	10/30/08 18:30 / cgr
Gross Alpha minus Rn & U Precision (±)	1.6	pCi/L				E900.1	10/30/08 18:30 / cgr
Gross Alpha minus Rn & U MDC	0.5	pCi/L				E900.1	10/30/08 18:30 / cgr
Lead 210	1.4	pCi/L	U			E909.0M	10/29/08 10:30 / dm
Lead 210 precision (±)	2.5	pCi/L				E909.0M	10/29/08 10:30 / dm
Lead 210 MDC	4.2	pCi/L				E909.0M	10/29/08 10:30 / dm
Radium 226	11	pCi/L				E903.0	11/11/08 00:34 / trs
Radium 226 precision (±)	0.72	pCi/L				E903.0	11/11/08 00:34 / trs
Radium 226 MDC	0.27	pCi/L				E903.0	11/11/08 00:34 / trs
Radium 228	13	pCi/L				RA-05	11/04/08 16:22 / plj
Radium 228 precision (±)	1.3	pCi/L				RA-05	11/04/08 16:22 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 16:22 / plj

Report Definitions:
RL - Analyte reporting limit.
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MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08100853-006
Client Sample ID: 504-B

Report Date: 11/19/08
Collection Date: 10/13/08 18:10
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.4	pCi/L		0.2		E907.0	10/31/08 07:44 / dmf
Thorium 230 precision (±)	0.5	pCi/L				E907.0	10/31/08 07:44 / dmf
DATA QUALITY							
A/C Balance (± 5)	-3.94	%				Calculation	11/07/08 16:49 / sdw
Anions	85.1	meq/L				Calculation	11/07/08 16:49 / sdw
Cations	78.7	meq/L				Calculation	11/07/08 16:49 / sdw
Solids, Total Dissolved Calculated	5270	mg/L				Calculation	11/07/08 16:49 / sdw
TDS Balance (0.80 - 1.20)	1.09					Calculation	11/07/08 16:49 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/25/08 15:42 / jlr
Bromoform	ND	ug/L		0.50		E624	10/25/08 15:42 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	10/25/08 15:42 / jlr
Chloroform	ND	ug/L		0.50		E624	10/25/08 15:42 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/25/08 15:42 / jlr
Surr: 1,2-Dichlorobenzene-d4	102	%REC		80-120		E624	10/25/08 15:42 / jlr
Surr: Dibromofluoromethane	120	%REC		80-120		E624	10/25/08 15:42 / jlr
Surr: p-Bromofluorobenzene	90.0	%REC		80-120		E624	10/25/08 15:42 / jlr
Surr: Toluene-d8	96.0	%REC		80-120		E624	10/25/08 15:42 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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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:		10/13/2008	7/15/2008	4/15/2008	1/22/2008
Receive Date:		10/17/2008	7/18/2008	4/18/2008	1/25/2008
Report Date:,		11/20/2008	9/5/2008	6/9/2008	4/2/2008
Analyte	Units	C08100853-006	C08070864-011	C08040891-002	C08011074-014
Bicarbonate as HCO3	mg/L	ND(1)	ND(1)	ND(1)	4
Calcium	mg/L	439	437	486	458
Chloride	mg/L	23	26	26	35
Magnesium	mg/L	601	607	652	607
Nitrogen, Ammonia as N	mg/L	0.9	0.36	0.43	0.53
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Potassium	mg/L	12	12	12.1	12.7
Sodium	mg/L	142	140	151	142
Sulfate	mg/L	4060	3940	4300	3800
pH	s.u.	3.66	3.90	3.51	3.66
Solids, Total Dissolved TDS @ 180 C	mg/L	5750	5950	5630	5590
Aluminum	mg/L	0.6	2.9	4.8	2.4
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	0.23	0.22	0.25	0.25
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	6.44	6.62	6.67	6.88
Molybdenum	mg/L	2.6	3.5	3.1	2.8
Nickel	mg/L	0.26	0.26	0.27	0.29
Uranium	mg/L	0.0274	0.0318	0.0373	0.0307
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.005	0.003	0.01	0.035
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	19.5	13.2	14.6	16.0
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.6	1.1	1.1	1.3
Gross Alpha minus Rn & U MDC	pCi/L	0.5	0.3		
Lead 210	pCi/L	1.4	4.5	0.0	ND(1.0)
Lead 210 precision (±)	pCi/L	2.5	6.8	1.8	
Lead 210 MDC	pCi/L	4.2	11.3		
Radium 226	pCi/L	11	12	9.0	16.4
Radium 226 precision (±)	pCi/L	0.72	0.56	0.5	1.4
Radium 226 MDC	pCi/L	0.27	0.09	0.1	
Radium 228	pCi/L	13	20	23.1	19.6
Radium 228 precision (±)	pCi/L	1.3	1.3	1.6	1.6
Radium 228 MDC	pCi/L	1.3	1.1	1.4	
Thorium 230	pCi/L	0.4	0.0	-0.1	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.5	0.1	0.5	
A/C Balance (± 5)	%	-3.94	-2.91		0.031
Anions	meq/L	85.1	82.9		80.1
Cations	meq/L	78.7	78.2		80.1
Solids, Total Dissolved Calculated	mg/L	5270	5170		5060
TDS Balance (0.80 - 1.20)		1.09	1.15		1.10
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

**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: C08070864-005
Client Sample ID: 517

Revised Date: 11/03/08
Report Date: 09/05/08
Collection Date: 07/15/08 09:35
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	ND	mg/L		1		A2320 B	07/21/08 19:55 / ljl
Calcium	440	mg/L		1		E200.7	08/01/08 15:57 / cp
Chloride	36	mg/L		1		A4500-Cl B	07/25/08 13:24 / jal
Magnesium	425	mg/L		1		E200.7	08/01/08 15:57 / cp
Nitrogen, Ammonia as N	10.0	mg/L	D	0.1		E350.1	07/28/08 14:24 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/28/08 15:25 / eli-b
Potassium	11	mg/L		1		E200.7	08/01/08 15:57 / cp
Sodium	136	mg/L	D	8		E200.7	08/01/08 15:57 / cp
Sulfate	3410	mg/L	D	60		A4500-SO4 E	07/31/08 11:37 / jal
PHYSICAL PROPERTIES							
pH	3.77	s.u.		0.01		A4500-H B	07/21/08 11:07 / jah
Solids, Total Dissolved TDS @ 180 C	5110	mg/L		10		A2540 C	07/21/08 16:24 / dd
METALS - TOTAL							
Aluminum	5.8	mg/L		0.1		E200.8	08/02/08 07:50 / sml
Beryllium	ND	mg/L		0.01		E200.8	07/30/08 08:48 / ts
Cadmium	0.010	mg/L		0.005		E200.8	07/30/08 08:48 / ts
Cobalt	0.75	mg/L		0.01		E200.8	07/30/08 08:48 / ts
Lead	ND	mg/L		0.05		E200.8	07/30/08 08:48 / ts
Manganese	8.79	mg/L		0.01		E200.8	07/30/08 08:48 / ts
Molybdenum	ND	mg/L		0.1		E200.8	07/30/08 08:48 / ts
Nickel	0.80	mg/L		0.05		E200.8	07/30/08 08:48 / ts
Uranium	0.0477	mg/L		0.0003		E200.8	08/02/08 07:50 / sml
Vanadium	ND	mg/L		0.1		E200.8	07/30/08 08:48 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	07/31/08 18:54 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/07/08 09:09 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	10.2	pCi/L				E900.1	08/11/08 10:19 / crw
Gross Alpha minus Rn & U Precision (±)	1	pCi/L				E900.1	08/11/08 10:19 / crw
Gross Alpha minus Rn & U MDC	0.3	pCi/L				E900.1	08/11/08 10:19 / crw
Lead 210	5.7	pCi/L	U			E909.0M	07/28/08 08:15 / dm
Lead 210 precision (±)	6.9	pCi/L				E909.0M	07/28/08 08:15 / dm
Lead 210 MDC	11.3	pCi/L				E909.0M	07/28/08 08:15 / dm
Radium 226	7.0	pCi/L				E903.0	08/26/08 17:11 / trs
Radium 226 precision (±)	0.44	pCi/L				E903.0	08/26/08 17:11 / trs
Radium 226 MDC	0.09	pCi/L				E903.0	08/26/08 17:11 / trs
Radium 228	16	pCi/L				RA-05	08/19/08 08:46 / plj
Radium 228 precision (±)	1.2	pCi/L				RA-05	08/19/08 08:46 / plj
Radium 228 MDC	1.1	pCi/L				RA-05	08/19/08 08:46 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08070864-005
Client Sample ID: 517

Revised Date: 11/03/08
Report Date: 09/05/08
Collection Date: 07/15/08 09:35
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.4	pCi/L		0.2		E907.0	08/18/08 17:27 / dmf
Thorium 230 precision (±)	0.8	pCi/L				E907.0	08/18/08 17:27 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-6.05	%				Calculation	09/05/08 11:13 / sec
Anions	72.1	meq/L				Calculation	09/05/08 11:13 / sec
Cations	63.9	meq/L				Calculation	09/05/08 11:13 / sec
Solids, Total Dissolved Calculated	4460	mg/L				Calculation	09/05/08 11:13 / sec
TDS Balance (0.80 - 1.20)	1.15					Calculation	09/05/08 11:13 / sec
- The ion balance is not appropriate for samples exhibiting low pH.							
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/21/08 15:09 / jlr
Bromoform	ND	ug/L		0.50		E624	07/21/08 15:09 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/21/08 15:09 / jlr
Chloroform	5.92	ug/L		0.50		E624	07/21/08 15:09 / jlr
Trihalomethanes, Total	5.92	ug/L		0.50		E624	07/21/08 15:09 / jlr
Surr: 1,2-Dichlorobenzene-d4	99.0	%REC		80-120		E624	07/21/08 15:09 / jlr
Surr: Dibromofluoromethane	108	%REC		80-120		E624	07/21/08 15:09 / jlr
Surr: p-Bromofluorobenzene	89.0	%REC		80-120		E624	07/21/08 15:09 / jlr
Surr: Toluene-d8	90.0	%REC		80-120		E624	07/21/08 15:09 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Not Indicated
Lab ID: C08100852-001
Client Sample ID: 517

Report Date: 11/19/08
Collection Date: 10/13/08 14:05
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	ND	mg/L		1		A2320 B	10/20/08 14:39 / ljl
Calcium	483	mg/L		1		E200.7	11/04/08 15:41 / cp
Chloride	41	mg/L		1		A4500-Cl B	10/27/08 12:40 / jal
Magnesium	460	mg/L		1		E200.7	11/04/08 15:41 / cp
Nitrogen, Ammonia as N	10.0	mg/L		0.1		E350.1	10/23/08 13:54 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/22/08 11:54 / eli-b
Potassium	11	mg/L		1		E200.7	11/04/08 15:41 / cp
Sodium	148	mg/L	D	8		E200.7	11/04/08 15:41 / cp
Sulfate	3650	mg/L	D	60		A4500-SO4 E	10/20/08 11:16 / jal
PHYSICAL PROPERTIES							
pH	3.31	s.u.		0.01		A4500-H B	10/20/08 10:38 / dd
Solids, Total Dissolved TDS @ 180 C	5040	mg/L	H	10		A2540 C	10/21/08 09:12 / jah
- H - Sample was analyzed beyond recommended hold time due to receiving it with insufficient hold time remaining.							
METALS - TOTAL							
Aluminum	6.5	mg/L		0.1		E200.8	11/03/08 23:12 / ts
Beryllium	ND	mg/L		0.01		E200.8	11/03/08 23:12 / ts
Cadmium	0.009	mg/L		0.005		E200.8	11/03/08 23:12 / ts
Cobalt	0.87	mg/L		0.01		E200.8	11/03/08 23:12 / ts
Lead	ND	mg/L		0.05		E200.8	11/03/08 23:12 / ts
Manganese	9.63	mg/L		0.01		E200.8	11/03/08 23:12 / ts
Molybdenum	ND	mg/L		0.1		E200.8	11/03/08 23:12 / ts
Nickel	0.91	mg/L		0.05		E200.8	11/03/08 23:12 / ts
Uranium	0.0564	mg/L		0.0003		E200.8	11/03/08 23:12 / ts
Vanadium	ND	mg/L		0.1		E200.8	11/03/08 23:12 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/24/08 13:27 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/29/08 16:34 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	12.3	pCi/L				E900.1	11/14/08 18:40 / cgr
Gross Alpha minus Rn & U Precision (±)	1.5	pCi/L				E900.1	11/14/08 18:40 / cgr
Gross Alpha minus Rn & U MDC	0.7	pCi/L				E900.1	11/14/08 18:40 / cgr
Lead 210	1.8	pCi/L	U			E909.0M	10/28/08 10:11 / dm
Lead 210 precision (±)	3.1	pCi/L				E909.0M	10/28/08 10:11 / dm
Lead 210 MDC	5.1	pCi/L				E909.0M	10/28/08 10:11 / dm
Radium 226	5.4	pCi/L				E903.0	11/10/08 15:06 / trs
Radium 226 precision (±)	0.47	pCi/L				E903.0	11/10/08 15:06 / trs
Radium 226 MDC	0.21	pCi/L				E903.0	11/10/08 15:06 / trs
Radium 228	14	pCi/L				RA-05	11/04/08 12:09 / plj
Radium 228 precision (±)	1.2	pCi/L				RA-05	11/04/08 12:09 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	11/04/08 12:09 / plj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Not Indicated
Lab ID: C08100852-001
Client Sample ID: 517

Report Date: 11/19/08
Collection Date: 10/13/08 14:05
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	1.1	pCi/L		0.2		E907.0	10/30/08 15:52 / dmf
Thorium 230 precision (±)	0.9	pCi/L				E907.0	10/30/08 15:52 / dmf
DATA QUALITY							
A/C Balance (± 5)	-1.22	%				Calculation	11/07/08 16:46 / sdw
Anions	77.2	meq/L				Calculation	11/07/08 16:46 / sdw
Cations	75.4	meq/L				Calculation	11/07/08 16:46 / sdw
Solids, Total Dissolved Calculated	4800	mg/L				Calculation	11/07/08 16:46 / sdw
TDS Balance (0.80 - 1.20)	1.05					Calculation	11/07/08 16:46 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/25/08 18:51 / jlr
Bromoform	ND	ug/L		0.50		E624	10/25/08 18:51 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	10/25/08 18:51 / jlr
Chloroform	4.28	ug/L		0.50		E624	10/25/08 18:51 / jlr
Trihalomethanes, Total	4.28	ug/L		0.50		E624	10/25/08 18:51 / jlr
Surr: 1,2-Dichlorobenzene-d4	114	%REC		80-120		E624	10/25/08 18:51 / jlr
Surr: Dibromofluoromethane	122	%REC	S	80-120		E624	10/25/08 18:51 / jlr
Surr: p-Bromofluorobenzene	94.0	%REC		80-120		E624	10/25/08 18:51 / jlr
Surr: Toluene-d8	100	%REC		80-120		E624	10/25/08 18:51 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary:					
Well ID:		517	517	517	517
Collection Date:		10/13/2008	7/15/2008	4/15/2008	1/21/2008
Receive Date:		10/17/2008	7/18/2008	4/18/2008	1/25/2008
Report Date:		11/20/2008	9/5/2008	6/9/2008	4/2/2008
Analyte	Units	C08100852-001	C08070864-005	C08040891-003	C08011074-001
Bicarbonate as HCO3	mg/L	ND(1)	ND(1)	ND(1)	ND(1)
Calcium	mg/L	483	440	488	454
Chloride	mg/L	41	36	40	45
Magnesium	mg/L	460	425	473	431
Nitrogen, Ammonia as N	mg/L	10.0	10.0	10.0	11.8
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	0.2
Potassium	mg/L	11	11	11.1	12.9
Sodium	mg/L	148	136	145	155
Sulfate	mg/L	3650	3410	3810	3190
pH	s.u.	3.31	3.77	3.31	3.90
Solids, Total Dissolved TDS @ 180 C	mg/L	5040	5110	4880	5080
Aluminum	mg/L	6.5	5.8	5.1	5.1
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	0.009	0.010	0.008	0.009
Cobalt	mg/L	0.87	0.75	0.85	0.79
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	9.63	8.79	9.04	8.80
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.91	0.80	0.84	0.84
Uranium	mg/L	0.0564	0.0477	0.0525	0.0561
Vanadium	mg/L	ND(0.1)	ND(0.1)	0.2	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.003)	ND(0.001)	0.003
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	0.001
Gross Alpha minus Rn & U	pCi/L	12.3	10.2	11.3	13.0
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.5	1	1.0	1.2
Gross Alpha minus Rn & U MDC	pCi/L	0.7	0.3		
Lead 210	pCi/L	1.8	5.7	0.0	-0.9
Lead 210 precision (±)	pCi/L	3.1	6.9	2.5	1.0
Lead 210 MDC	pCi/L	5.1	11.3		
Radium 226	pCi/L	5.4	7.0	6.6	11.8
Radium 226 precision (±)	pCi/L	0.47	0.44	0.4	1.2
Radium 226 MDC	pCi/L	0.21	0.09	0.1	
Radium 228	pCi/L	14	16	20.3	17.4
Radium 228 precision (±)	pCi/L	1.2	1.2	1.5	1.5
Radium 228 MDC	pCi/L	1.2	1.1	1.4	
Thorium 230	pCi/L	1.1	0.4	1.3	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.9	0.8	0.9	
A/C Balance (± 5)	%	-1.22	-6.05		-0.366
Anions	meq/L	77.2	72.1		67.7
Cations	meq/L	75.4	63.9		67.2
Solids, Total Dissolved Calculated	mg/L	4800	4460		4300
TDS Balance (0.80 - 1.20)		1.05	1.15		1.18
Trihalomethanes, Total	ug/L	4.28	5.92	3.98	6.24

**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: C08070864-006
Client Sample ID: EPA-14

Revised Date: 11/03/08
Report Date: 09/05/08
Collection Date: 07/15/08 10:15
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	ND	mg/L		1		A2320 B	07/21/08 19:58 / ljl
Calcium	457	mg/L		1		E200.7	08/01/08 16:01 / cp
Chloride	58	mg/L		1		A4500-Cl B	07/25/08 13:30 / jal
Magnesium	566	mg/L		1		E200.7	08/01/08 16:01 / cp
Nitrogen, Ammonia as N	78.9	mg/L	D	0.4		E350.1	07/29/08 15:26 / eli-b
Nitrogen, Nitrate+Nitrite as N	19.3	mg/L		0.1		E353.2	07/28/08 15:13 / eli-b
Potassium	13	mg/L		1		E200.7	08/01/08 16:01 / cp
Sodium	174	mg/L	D	8		E200.7	08/01/08 16:01 / cp
Sulfate	4520	mg/L	D	60		A4500-SO4 E	07/31/08 11:39 / jal
PHYSICAL PROPERTIES							
pH	4.25	s.u.		0.01		A4500-H B	07/21/08 11:08 / jah
Solids, Total Dissolved TDS @ 180 C	6740	mg/L		10		A2540 C	07/21/08 16:25 / dd
METALS - TOTAL							
Aluminum	177	mg/L		0.1		E200.8	08/14/08 15:55 / sml
Beryllium	0.08	mg/L		0.01		E200.8	07/30/08 08:55 / ts
Cadmium	0.016	mg/L		0.005		E200.8	07/30/08 08:55 / ts
Cobalt	1.01	mg/L		0.01		E200.8	07/30/08 08:55 / ts
Lead	ND	mg/L		0.05		E200.8	07/30/08 08:55 / ts
Manganese	23.1	mg/L		0.01		E200.8	07/30/08 08:55 / ts
Molybdenum	ND	mg/L		0.1		E200.8	07/30/08 08:55 / ts
Nickel	0.99	mg/L		0.05		E200.8	07/30/08 08:55 / ts
Uranium	0.0133	mg/L		0.0003		E200.8	08/02/08 07:57 / sml
Vanadium	ND	mg/L		0.1		E200.8	07/30/08 08:55 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	08/01/08 10:48 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/07/08 09:13 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	23.0	pCi/L				E900.1	08/11/08 10:18 / crw
Gross Alpha minus Rn & U Precision (±)	1.5	pCi/L				E900.1	08/11/08 10:18 / crw
Gross Alpha minus Rn & U MDC	0.3	pCi/L				E900.1	08/11/08 10:18 / crw
Lead 210	5.5	pCi/L	U			E909.0M	07/28/08 08:15 / dm
Lead 210 precision (±)	6.9	pCi/L				E909.0M	07/28/08 08:15 / dm
Lead 210 MDC	11.3	pCi/L				E909.0M	07/28/08 08:15 / dm
Radium 226	14	pCi/L				E903.0	08/26/08 17:11 / trs
Radium 226 precision (±)	0.61	pCi/L				E903.0	08/26/08 17:11 / trs
Radium 226 MDC	0.09	pCi/L				E903.0	08/26/08 17:11 / trs
Radium 228	32	pCi/L				RA-05	08/19/08 08:46 / plj
Radium 228 precision (±)	1.6	pCi/L				RA-05	08/19/08 08:46 / plj
Radium 228 MDC	1.1	pCi/L				RA-05	08/19/08 08:46 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08070864-006
Client Sample ID: EPA-14

Revised Date: 11/03/08
Report Date: 09/05/08
Collection Date: 07/15/08 10:15
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.3	pCi/L		0.2		E907.0	08/18/08 17:27 / dmf
Thorium 230 precision (±)	1.0	pCi/L				E907.0	08/18/08 17:27 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-7.90	%				Calculation	09/05/08 11:14 / sec
Anions	97.1	meq/L				Calculation	09/05/08 11:14 / sec
Cations	82.9	meq/L				Calculation	09/05/08 11:14 / sec
Solids, Total Dissolved Calculated	6040	mg/L				Calculation	09/05/08 11:14 / sec
TDS Balance (0.80 - 1.20)	1.12					Calculation	09/05/08 11:14 / sec
- The ion balance is not appropriate for samples exhibiting low pH.							
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/21/08 15:47 / jlr
Bromoform	ND	ug/L		0.50		E624	07/21/08 15:47 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/21/08 15:47 / jlr
Chloroform	3.07	ug/L		0.50		E624	07/21/08 15:47 / jlr
Trihalomethanes, Total	3.07	ug/L		0.50		E624	07/21/08 15:47 / jlr
Surr: 1,2-Dichlorobenzene-d4	104	%REC		80-120		E624	07/21/08 15:47 / jlr
Surr: Dibromofluoromethane	111	%REC		80-120		E624	07/21/08 15:47 / jlr
Surr: p-Bromofluorobenzene	90.0	%REC		80-120		E624	07/21/08 15:47 / jlr
Surr: Toluene-d8	88.0	%REC		80-120		E624	07/21/08 15:47 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08100853-007
Client Sample ID: EPA-14

Report Date: 11/19/08
Collection Date: 10/14/08 09:30
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	ND	mg/L		1		A2320 B	10/20/08 15:48 / ljl
Calcium	478	mg/L		1		E200.7	11/05/08 12:45 / cp
Chloride	76	mg/L		1		A4500-Cl B	10/27/08 13:38 / jal
Magnesium	553	mg/L		1		E200.7	11/05/08 12:45 / cp
Nitrogen, Ammonia as N	75.9	mg/L	D	0.4		E350.1	10/27/08 12:05 / eli-b
Nitrogen, Nitrate+Nitrite as N	17.8	mg/L		0.1		E353.2	10/22/08 15:11 / eli-b
Potassium	14	mg/L		1		E200.7	11/05/08 12:45 / cp
Sodium	182	mg/L	D	8		E200.7	11/05/08 12:45 / cp
Sulfate	4740	mg/L	D	60		A4500-SO4 E	10/20/08 12:08 / jal
PHYSICAL PROPERTIES							
pH	4.27	s.u.		0.01		A4500-H B	10/20/08 13:14 / dd
Solids, Total Dissolved TDS @ 180 C	6690	mg/L		10		A2540 C	10/20/08 15:18 / jah
METALS - TOTAL							
Aluminum	119	mg/L		0.1		E200.8	11/04/08 20:08 / ts
Beryllium	0.08	mg/L		0.01		E200.8	11/04/08 20:08 / ts
Cadmium	0.014	mg/L		0.005		E200.8	11/04/08 20:08 / ts
Cobalt	0.96	mg/L		0.01		E200.8	11/04/08 20:08 / ts
Lead	ND	mg/L		0.05		E200.8	11/04/08 20:08 / ts
Manganese	21.2	mg/L		0.01		E200.8	11/04/08 20:08 / ts
Molybdenum	ND	mg/L		0.1		E200.8	11/04/08 20:08 / ts
Nickel	0.87	mg/L		0.05		E200.8	11/04/08 20:08 / ts
Uranium	0.0138	mg/L		0.0003		E200.8	11/04/08 20:08 / ts
Vanadium	ND	mg/L		0.1		E200.8	11/04/08 20:08 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/24/08 16:01 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/30/08 10:39 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	32.2	pCi/L				E900.1	10/30/08 18:30 / cgr
Gross Alpha minus Rn & U Precision (±)	2.1	pCi/L				E900.1	10/30/08 18:30 / cgr
Gross Alpha minus Rn & U MDC	0.5	pCi/L				E900.1	10/30/08 18:30 / cgr
Lead 210	4.5	pCi/L	U			E909.0M	10/29/08 10:30 / dm
Lead 210 precision (±)	5.0	pCi/L				E909.0M	10/29/08 10:30 / dm
Lead 210 MDC	8.3	pCi/L				E909.0M	10/29/08 10:30 / dm
Radium 226	13	pCi/L				E903.0	11/11/08 00:34 / trs
Radium 226 precision (±)	0.76	pCi/L				E903.0	11/11/08 00:34 / trs
Radium 226 MDC	0.27	pCi/L				E903.0	11/11/08 00:34 / trs
Radium 228	22	pCi/L				RA-05	11/04/08 16:22 / plj
Radium 228 precision (±)	1.5	pCi/L				RA-05	11/04/08 16:22 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 16:22 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08100853-007
Client Sample ID: EPA-14

Report Date: 11/19/08
Collection Date: 10/14/08 09:30
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.3	pCi/L		0.2		E907.0	10/31/08 07:44 / dmf
Thorium 230 precision (±)	0.6	pCi/L				E907.0	10/31/08 07:44 / dmf
DATA QUALITY							
A/C Balance (± 5)	-2.05	%				Calculation	11/07/08 16:49 / sdw
Anions	102	meq/L				Calculation	11/07/08 16:49 / sdw
Cations	97.9	meq/L				Calculation	11/07/08 16:49 / sdw
Solids, Total Dissolved Calculated	6120	mg/L				Calculation	11/07/08 16:49 / sdw
TDS Balance (0.80 - 1.20)	1.09					Calculation	11/07/08 16:49 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/27/08 15:47 / jlr
Bromoform	ND	ug/L		0.50		E624	10/27/08 15:47 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	10/27/08 15:47 / jlr
Chloroform	3.00	ug/L		0.50		E624	10/27/08 15:47 / jlr
Trihalomethanes, Total	3.00	ug/L		0.50		E624	10/27/08 15:47 / jlr
Surr: 1,2-Dichlorobenzene-d4	110	%REC		80-120		E624	10/27/08 15:47 / jlr
Surr: Dibromofluoromethane	106	%REC		80-120		E624	10/27/08 15:47 / jlr
Surr: p-Bromofluorobenzene	100	%REC		80-120		E624	10/27/08 15:47 / jlr
Surr: Toluene-d8	95.0	%REC		80-120		E624	10/27/08 15:47 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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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:		10/14/2008	7/15/2008	4/15/2008	1/22/2008
Receive Date:		10/17/2008	7/18/2008	4/18/2008	1/25/2008
Report Date:		11/20/2008	9/5/2008	6/9/2008	4/2/2008
Analyte	Units	C08100853-007	C08070864-006	C08040891-006	C08011074-008
Bicarbonate as HCO3	mg/L	ND(1)	ND(1)	ND(1)	ND(1)
Calcium	mg/L	478	457	482	440
Chloride	mg/L	76	58	77	98
Magnesium	mg/L	553	566	615	563
Nitrogen, Ammonia as N	mg/L	75.9	78.9	91.2	94.6
Nitrogen, Nitrate+Nitrite as N	mg/L	17.8	19.3	27.9	24.6
Potassium	mg/L	14	13	12.6	12.8
Sodium	mg/L	182	174	187	179
Sulfate	mg/L	4740	4520	5260	4400
pH	s.u.	4.27	4.25	4.07	4.40
Solids, Total Dissolved TDS @ 180 C	mg/L	6690	6740	6650	6680
Aluminum	mg/L	119	177	137	163
Beryllium	mg/L	0.08	0.08	0.09	0.09
Cadmium	mg/L	0.014	0.016	0.011	0.015
Cobalt	mg/L	0.96	1.01	0.95	0.90
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	21.2	23.1	22.0	20.4
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.87	0.99	0.89	0.87
Uranium	mg/L	0.0138	0.0133	0.0141	0.0140
Vanadium	mg/L	ND(0.1)	ND(0.1)	0.2	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.003)	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	32.2	23.0	25.9	27.7
Gross Alpha minus Rn & U Precision (±)	pCi/L	2.1	1.5	1.5	1.7
Gross Alpha minus Rn & U MDC	pCi/L	0.5	0.3		
Lead 210	pCi/L	4.5	5.5	-2.2	4.8
Lead 210 precision (±)	pCi/L	5.0	6.9	2.0	1.6
Lead 210 MDC	pCi/L	8.3	11.3		
Radium 226	pCi/L	13	14	17.2	20.9
Radium 226 precision (±)	pCi/L	0.76	0.61	0.7	1.6
Radium 226 MDC	pCi/L	0.27	0.09	0.1	
Radium 228	pCi/L	22	32	56.1	52.3
Radium 228 precision (±)	pCi/L	1.5	1.6	2.3	1.9
Radium 228 MDC	pCi/L	1.3	1.1	1.4	
Thorium 230	pCi/L	0.3	0.3	0.3	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.6	1.0	0.8	
A/C Balance (± 5)	%	-2.05	-7.90		3.37
Anions	meq/L	102	97.1		96.0
Cations	meq/L	97.9	82.9		103
Solids, Total Dissolved Calculated	mg/L	6120	6040		5980
TDS Balance (0.80 - 1.20)		1.09	1.12		1.12
Trihalomethanes, Total	ug/L	3.00	3.07	3.00	2.87

**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: C08070864-008
Client Sample ID: 420

Report Date: 09/05/08
Collection Date: 07/15/08 11:30
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	451	mg/L		1		A2320 B	07/21/08 20:10 / ljl
Calcium	619	mg/L		1		E200.7	08/01/08 16:09 / cp
Chloride	39	mg/L		1		A4500-Cl B	07/25/08 13:37 / jal
Magnesium	128	mg/L		1		E200.7	08/01/08 16:09 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	07/23/08 12:48 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/28/08 15:26 / eli-b
Potassium	6	mg/L		1		E200.7	08/01/08 16:09 / cp
Sodium	129	mg/L	D	8		E200.7	08/01/08 16:09 / cp
Sulfate	1980	mg/L	D	60		A4500-SO4 E	07/31/08 11:42 / jal
PHYSICAL PROPERTIES							
pH	6.91	s.u.		0.01		A4500-H B	07/21/08 11:14 / jah
Solids, Total Dissolved TDS @ 180 C	3350	mg/L		10		A2540 C	07/21/08 16:25 / dd
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	08/02/08 08:10 / sml
Beryllium	ND	mg/L		0.01		E200.8	07/30/08 09:09 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/30/08 09:09 / ts
Cobalt	0.01	mg/L		0.01		E200.8	07/30/08 09:09 / ts
Lead	ND	mg/L		0.05		E200.8	07/30/08 09:09 / ts
Manganese	1.84	mg/L		0.01		E200.8	07/30/08 09:09 / ts
Molybdenum	0.3	mg/L		0.1		E200.8	07/30/08 09:09 / ts
Nickel	ND	mg/L		0.05		E200.8	07/30/08 09:09 / ts
Uranium	0.270	mg/L		0.0003		E200.8	08/02/08 08:10 / sml
Vanadium	ND	mg/L		0.1		E200.8	07/30/08 09:09 / ts
METALS - SPECIATED							
Arsenic-III	0.004	mg/L		0.003		E1632AM	08/01/08 11:05 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/07/08 09:29 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	3.8	pCi/L				E900.1	08/11/08 10:19 / crw
Gross Alpha minus Rn & U Precision (±)	0.6	pCi/L				E900.1	08/11/08 10:19 / crw
Gross Alpha minus Rn & U MDC	0.3	pCi/L				E900.1	08/11/08 10:19 / crw
Lead 210	4.8	pCi/L	U			E909.0M	07/28/08 08:15 / dm
Lead 210 precision (±)	6.8	pCi/L				E909.0M	07/28/08 08:15 / dm
Lead 210 MDC	11.3	pCi/L				E909.0M	07/28/08 08:15 / dm
Radium 226	4.5	pCi/L				E903.0	08/26/08 17:11 / trs
Radium 226 precision (±)	0.37	pCi/L				E903.0	08/26/08 17:11 / trs
Radium 226 MDC	0.1	pCi/L				E903.0	08/26/08 17:11 / trs
Radium 228	4.6	pCi/L				RA-05	08/19/08 08:46 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08070864-008
Client Sample ID: 420

Report Date: 09/05/08
Collection Date: 07/15/08 11:30
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision (±)	0.87	pCi/L				RA-05	08/19/08 08:46 / plj
Radium 228 MDC	1.1	pCi/L				RA-05	08/19/08 08:46 / plj
Thorium 230	-0.2	pCi/L	U	0.2		E907.0	08/18/08 17:26 / dmf
Thorium 230 precision (±)	0.5	pCi/L				E907.0	08/18/08 17:26 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-2.69	%				Calculation	09/05/08 11:15 / sec
Anions	49.8	meq/L				Calculation	09/05/08 11:15 / sec
Cations	47.2	meq/L				Calculation	09/05/08 11:15 / sec
Solids, Total Dissolved Calculated	3130	mg/L				Calculation	09/05/08 11:15 / sec
TDS Balance (0.80 - 1.20)	1.07					Calculation	09/05/08 11:15 / sec
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/21/08 20:51 / jlr
Bromoform	ND	ug/L		0.50		E624	07/21/08 20:51 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/21/08 20:51 / jlr
Chloroform	ND	ug/L		0.50		E624	07/21/08 20:51 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	07/21/08 20:51 / jlr
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC		80-120		E624	07/21/08 20:51 / jlr
Surr: Dibromofluoromethane	109	%REC		80-120		E624	07/21/08 20:51 / jlr
Surr: p-Bromofluorobenzene	90.0	%REC		80-120		E624	07/21/08 20:51 / jlr
Surr: Toluene-d8	89.0	%REC		80-120		E624	07/21/08 20:51 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08100853-009
Client Sample ID: 420

Report Date: 11/19/08
Collection Date: 10/14/08 10:50
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	468	mg/L		1		A2320 B	10/20/08 16:08 / ljl
Calcium	630	mg/L		1		E200.7	11/05/08 12:53 / cp
Chloride	37	mg/L		1		A4500-Cl B	10/27/08 13:40 / jal
Magnesium	130	mg/L		1		E200.7	11/05/08 12:53 / cp
Nitrogen, Ammonia as N	ND	mg/L	D	0.4		E350.1	10/27/08 12:07 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/22/08 15:13 / eli-b
Potassium	6	mg/L		1		E200.7	11/05/08 12:53 / cp
Sodium	132	mg/L	D	4		E200.7	11/05/08 12:53 / cp
Sulfate	2120	mg/L	D	60		A4500-SO4 E	10/20/08 12:13 / jal
PHYSICAL PROPERTIES							
pH	6.78	s.u.		0.01		A4500-H B	10/20/08 13:19 / dd
Solids, Total Dissolved TDS @ 180 C	3390	mg/L		10		A2540 C	10/20/08 15:18 / jah
METALS - TOTAL							
Aluminum	1.3	mg/L		0.1		E200.7	11/03/08 17:07 / cp
Beryllium	ND	mg/L		0.01		E200.8	10/31/08 03:58 / ts
Cadmium	ND	mg/L		0.005		E200.8	10/31/08 03:58 / ts
Cobalt	0.02	mg/L		0.01		E200.8	10/31/08 03:58 / ts
Lead	ND	mg/L		0.05		E200.8	10/31/08 03:58 / ts
Manganese	2.16	mg/L		0.01		E200.8	10/31/08 03:58 / ts
Molybdenum	0.9	mg/L		0.1		E200.8	10/31/08 03:58 / ts
Nickel	ND	mg/L		0.05		E200.8	10/31/08 03:58 / ts
Uranium	0.294	mg/L		0.0003		E200.8	10/31/08 03:58 / ts
Vanadium	ND	mg/L		0.1		E200.8	10/31/08 03:58 / ts
METALS - SPECIATED							
Arsenic-III	0.008	mg/L		0.001		E1632AM	10/27/08 16:04 / eli-h
Selenium-IV	0.001	mg/L		0.001		A3114 B	10/30/08 10:43 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	5.6	pCi/L				E900.1	11/17/08 09:18 / cgr
Gross Alpha minus Rn & U Precision (±)	0.8	pCi/L				E900.1	11/17/08 09:18 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	11/17/08 09:18 / cgr
Lead 210	1.3	pCi/L	U			E909.0M	10/29/08 10:30 / dm
Lead 210 precision (±)	2.5	pCi/L				E909.0M	10/29/08 10:30 / dm
Lead 210 MDC	4.2	pCi/L				E909.0M	10/29/08 10:30 / dm
Radium 226	4.0	pCi/L				E903.0	11/11/08 02:26 / trs
Radium 226 precision (±)	0.49	pCi/L				E903.0	11/11/08 02:26 / trs
Radium 226 MDC	0.31	pCi/L				E903.0	11/11/08 02:26 / trs
Radium 228	3.4	pCi/L				RA-05	11/04/08 16:22 / plj
Radium 228 precision (±)	0.93	pCi/L				RA-05	11/04/08 16:22 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 16:22 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08100853-009
Client Sample ID: 420

Report Date: 11/19/08
Collection Date: 10/14/08 10:50
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.1	pCi/L	U	0.2		E907.0	10/31/08 07:44 / dmf
Thorium 230 precision (±)	0.3	pCi/L				E907.0	10/31/08 07:44 / dmf
DATA QUALITY							
A/C Balance (± 5)	-4.70	%				Calculation	11/07/08 16:50 / sdw
Anions	52.8	meq/L				Calculation	11/07/08 16:50 / sdw
Cations	48.0	meq/L				Calculation	11/07/08 16:50 / sdw
Solids, Total Dissolved Calculated	3280	mg/L				Calculation	11/07/08 16:50 / sdw
TDS Balance (0.80 - 1.20)	1.03					Calculation	11/07/08 16:50 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/27/08 17:04 / jlr
Bromoform	ND	ug/L		0.50		E624	10/27/08 17:04 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	10/27/08 17:04 / jlr
Chloroform	ND	ug/L		0.50		E624	10/27/08 17:04 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/27/08 17:04 / jlr
Surr: 1,2-Dichlorobenzene-d4	99.0	%REC		80-120		E624	10/27/08 17:04 / jlr
Surr: Dibromofluoromethane	107	%REC		80-120		E624	10/27/08 17:04 / jlr
Surr: p-Bromofluorobenzene	92.0	%REC		80-120		E624	10/27/08 17:04 / jlr
Surr: Toluene-d8	97.0	%REC		80-120		E624	10/27/08 17:04 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3 Monitor Wells					
Well ID:		420	420	420	420
Collection Date:		10/14/2008	7/15/2008	4/15/2008	1/22/2008
Receive Date:		10/17/2008	7/18/2008	4/18/2008	1/25/2008
Report Date:		11/20/2008	9/5/2008	6/9/2008	4/2/2008
Analyte	Units	C08100853-009	C08070864-008	C08040891-001	C08011074-007
Bicarbonate as HCO3	mg/L	468	451	436	455
Calcium	mg/L	630	619	694	654
Chloride	mg/L	37	39	39	50
Magnesium	mg/L	130	128	138	131
Nitrogen, Ammonia as N	mg/L	ND(0.4)	ND(0.05)	0.05	0.08
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	0.5
Potassium	mg/L	6	6	6.5	7.3
Sodium	mg/L	132	129	139	137
Sulfate	mg/L	2120	1980	2110	1890
pH	s.u.	6.78	6.91	7.10	7.12
Solids, Total Dissolved TDS @ 180 C	mg/L	3390	3350	3240	3320
Aluminum	mg/L	1.3	ND(0.1)	0.1	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.02	0.01	0.01	0.01
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	2.16	1.84	1.84	1.83
Molybdenum	mg/L	0.9	0.3	0.4	0.3
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.294	0.270	0.282	0.303
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.008	0.004	0.006	0.037
Selenium-IV	mg/L	0.001	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	5.6	3.8	4.0	4.4
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.8	0.6	0.6	0.7
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.3		
Lead 210	pCi/L	1.3	4.8	-4.9	3.7
Lead 210 precision (±)	pCi/L	2.5	6.8	2.2	1.5
Lead 210 MDC	pCi/L	4.2	11.3		
Radium 226	pCi/L	4.0	4.5	2.0	4.2
Radium 226 precision (±)	pCi/L	0.49	0.37	0.2	0.7
Radium 226 MDC	pCi/L	0.31	0.1	0.1	
Radium 228	pCi/L	3.4	4.6	4.4	2.8
Radium 228 precision (±)	pCi/L	0.93	0.87	1.0	1.1
Radium 228 MDC	pCi/L	1.3	1.1	1.4	
Thorium 230	pCi/L	0.1	-0.2	0.1	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.3	0.5	0.4	
A/C Balance (± 5)	%	-4.70	-2.69		1.50
Anions	meq/L	52.8	49.8		48.2
Cations	meq/L	48.0	47.2		49.7
Solids, Total Dissolved Calculated	mg/L	3280	3130		3100
TDS Balance (0.80 - 1.20)		1.03	1.07		1.07
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

**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: C08070864-002
Client Sample ID: 711

Revised Date: 11/03/08
Report Date: 09/05/08
Collection Date: 07/14/08 14:45
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	ND	mg/L		1		A2320 B	07/21/08 19:33 / ljl
Calcium	464	mg/L		1		E200.7	08/01/08 15:45 / cp
Chloride	13	mg/L		1		A4500-Cl B	07/25/08 13:08 / jal
Magnesium	463	mg/L		1		E200.7	08/01/08 15:45 / cp
Nitrogen, Ammonia as N	0.32	mg/L		0.05		E350.1	07/23/08 12:41 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/28/08 15:22 / eli-b
Potassium	10	mg/L		1		E200.7	08/01/08 15:45 / cp
Sodium	91	mg/L	D	8		E200.7	08/01/08 15:45 / cp
Sulfate	3230	mg/L	D	30		A4500-SO4 E	07/31/08 11:33 / jal
PHYSICAL PROPERTIES							
pH	4.15	s.u.		0.01		A4500-H B	07/21/08 10:46 / jah
Solids, Total Dissolved TDS @ 180 C	4870	mg/L		10		A2540 C	07/21/08 16:23 / dd
METALS - TOTAL							
Aluminum	0.4	mg/L		0.1		E200.8	08/02/08 07:03 / sml
Beryllium	ND	mg/L		0.01		E200.8	07/30/08 08:01 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/30/08 08:01 / ts
Cobalt	0.34	mg/L		0.01		E200.8	07/30/08 08:01 / ts
Lead	ND	mg/L		0.05		E200.8	07/30/08 08:01 / ts
Manganese	6.12	mg/L		0.01		E200.8	07/30/08 08:01 / ts
Molybdenum	0.2	mg/L		0.1		E200.8	07/30/08 08:01 / ts
Nickel	0.33	mg/L		0.05		E200.8	07/30/08 08:01 / ts
Uranium	0.0206	mg/L		0.0003		E200.8	07/30/08 08:01 / ts
Vanadium	ND	mg/L		0.1		E200.8	07/30/08 08:01 / ts
METALS - SPECIATED							
Arsenic-III	0.005	mg/L		0.003		E1632AM	07/31/08 18:11 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/07/08 08:54 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	6.4	pCi/L				E900.1	08/11/08 10:19 / crw
Gross Alpha minus Rn & U Precision (±)	0.8	pCi/L				E900.1	08/11/08 10:19 / crw
Gross Alpha minus Rn & U MDC	0.3	pCi/L				E900.1	08/11/08 10:19 / crw
Lead 210	2.3	pCi/L	U			E909.0M	07/28/08 08:15 / dm
Lead 210 precision (±)	6.8	pCi/L				E909.0M	07/28/08 08:15 / dm
Lead 210 MDC	11.3	pCi/L				E909.0M	07/28/08 08:15 / dm
Radium 226	3.7	pCi/L				E903.0	08/25/08 18:19 / trs
Radium 226 precision (±)	0.37	pCi/L				E903.0	08/25/08 18:19 / trs
Radium 226 MDC	0.17	pCi/L				E903.0	08/25/08 18:19 / trs
Radium 228	9.8	pCi/L				RA-05	08/19/08 06:40 / plj
Radium 228 precision (±)	0.89	pCi/L				RA-05	08/19/08 06:40 / plj
Radium 228 MDC	0.91	pCi/L				RA-05	08/19/08 06:40 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08070864-002
Client Sample ID: 711

Revised Date: 11/03/08
Report Date: 09/05/08
Collection Date: 07/14/08 14:45
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.2	pCi/L		0.2		E907.0	08/18/08 17:27 / dmf
Thorium 230 precision (±)	0.7	pCi/L				E907.0	08/18/08 17:27 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-1.63	%				Calculation	09/05/08 11:10 / sec
Anions	67.7	meq/L				Calculation	09/05/08 11:10 / sec
Cations	65.5	meq/L				Calculation	09/05/08 11:10 / sec
Solids, Total Dissolved Calculated	4270	mg/L				Calculation	09/05/08 11:10 / sec
TDS Balance (0.80 - 1.20)	1.14					Calculation	09/05/08 11:10 / sec
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/21/08 13:14 / jlr
Bromoform	ND	ug/L		0.50		E624	07/21/08 13:14 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/21/08 13:14 / jlr
Chloroform	ND	ug/L		0.50		E624	07/21/08 13:14 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	07/21/08 13:14 / jlr
Surr: 1,2-Dichlorobenzene-d4	99.0	%REC		80-120		E624	07/21/08 13:14 / jlr
Surr: Dibromofluoromethane	102	%REC		80-120		E624	07/21/08 13:14 / jlr
Surr: p-Bromofluorobenzene	93.0	%REC		80-120		E624	07/21/08 13:14 / jlr
Surr: Toluene-d8	88.0	%REC		80-120		E624	07/21/08 13:14 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08100853-002
Client Sample ID: 711

Report Date: 11/19/08
Collection Date: 10/13/08 15:30
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	ND	mg/L		1		A2320 B	10/20/08 15:30 / ljl
Calcium	430	mg/L		1		E200.7	11/11/08 13:10 / cp
Chloride	15	mg/L		1		A4500-Cl B	10/27/08 13:23 / jal
Magnesium	442	mg/L		1		E200.7	11/11/08 13:10 / cp
Nitrogen, Ammonia as N	0.7	mg/L	D	0.4		E350.1	10/27/08 11:56 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/22/08 15:05 / eli-b
Potassium	9	mg/L		1		E200.7	11/11/08 13:10 / cp
Sodium	86	mg/L	D	4		E200.7	11/11/08 13:10 / cp
Sulfate	3270	mg/L	DH	60		A4500-SO4 E	11/14/08 11:10 / jal
- H-Original analysis was done within hold time. Data is from recheck analysis.							
PHYSICAL PROPERTIES							
pH	3.78	s.u.		0.01		A4500-H B	10/20/08 10:53 / dd
Solids, Total Dissolved TDS @ 180 C	5040	mg/L		10		A2540 C	10/20/08 15:16 / jah
METALS - TOTAL							
Aluminum	0.3	mg/L		0.1		E200.8	11/04/08 19:34 / ts
Beryllium	ND	mg/L		0.01		E200.8	11/04/08 19:34 / ts
Cadmium	ND	mg/L		0.005		E200.8	11/04/08 19:34 / ts
Cobalt	0.36	mg/L		0.01		E200.8	11/04/08 19:34 / ts
Lead	ND	mg/L		0.05		E200.8	11/04/08 19:34 / ts
Manganese	6.18	mg/L		0.01		E200.8	11/04/08 19:34 / ts
Molybdenum	0.1	mg/L		0.1		E200.8	11/04/08 19:34 / ts
Nickel	0.32	mg/L		0.05		E200.8	11/04/08 19:34 / ts
Uranium	0.0214	mg/L		0.0003		E200.8	11/04/08 19:34 / ts
Vanadium	ND	mg/L		0.1		E200.8	11/04/08 19:34 / ts
METALS - SPECIATED							
Arsenic-III	0.006	mg/L		0.001		E1632AM	10/24/08 15:18 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/30/08 10:23 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	10.3	pCi/L				E900.1	10/30/08 18:30 / cgr
Gross Alpha minus Rn & U Precision (±)	1.2	pCi/L				E900.1	10/30/08 18:30 / cgr
Gross Alpha minus Rn & U MDC	0.5	pCi/L				E900.1	10/30/08 18:30 / cgr
Lead 210	2.1	pCi/L	U			E909.0M	10/29/08 10:30 / dm
Lead 210 precision (±)	5.0	pCi/L				E909.0M	10/29/08 10:30 / dm
Lead 210 MDC	8.3	pCi/L				E909.0M	10/29/08 10:30 / dm
Radium 226	4.4	pCi/L				E903.0	11/11/08 00:34 / trs
Radium 226 precision (±)	0.52	pCi/L				E903.0	11/11/08 00:34 / trs
Radium 226 MDC	0.32	pCi/L				E903.0	11/11/08 00:34 / trs
Radium 228	7.5	pCi/L				RA-05	11/04/08 16:22 / plj
Radium 228 precision (±)	1.1	pCi/L				RA-05	11/04/08 16:22 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 16:22 / plj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08100853-002
Client Sample ID: 711

Report Date: 11/19/08
Collection Date: 10/13/08 15:30
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.1	pCi/L	U	0.2		E907.0	10/31/08 07:44 / dmf
Thorium 230 precision (±)	0.5	pCi/L				E907.0	10/31/08 07:44 / dmf
DATA QUALITY							
A/C Balance (± 5)	-3.28	%				Calculation	11/17/08 10:32 / sdw
Anions	68.6	meq/L				Calculation	11/17/08 10:32 / sdw
Cations	64.2	meq/L				Calculation	11/17/08 10:32 / sdw
Solids, Total Dissolved Calculated	4270	mg/L				Calculation	11/17/08 10:32 / sdw
TDS Balance (0.80 - 1.20)	1.18					Calculation	11/17/08 10:32 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/25/08 23:54 / jlr
Bromoform	ND	ug/L		0.50		E624	10/25/08 23:54 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	10/25/08 23:54 / jlr
Chloroform	ND	ug/L		0.50		E624	10/25/08 23:54 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/25/08 23:54 / jlr
Surr: 1,2-Dichlorobenzene-d4	114	%REC		80-120		E624	10/25/08 23:54 / jlr
Surr: Dibromofluoromethane	108	%REC		80-120		E624	10/25/08 23:54 / jlr
Surr: p-Bromofluorobenzene	98.0	%REC		80-120		E624	10/25/08 23:54 / jlr
Surr: Toluene-d8	98.0	%REC		80-120		E624	10/25/08 23:54 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3 Monitor Wells					
Well ID:		711	711	711	711
Collection Date:		10/13/2008	7/14/2008	4/14/2008	1/21/2008
Receive Date:		10/17/2008	7/18/2008	4/18/2008	1/25/2008
Report Date:		11/20/2008	9/5/2008	6/9/2008	4/2/2008
Analyte	Units	C08100853-002	C08070864-002	C08040891-008	C08011074-003
Bicarbonate as HCO3	mg/L	ND(1)	ND(1)	ND(1)	ND(1)
Calcium	mg/L	430	464	479	460
Chloride	mg/L	15	13	15	23
Magnesium	mg/L	442	463	492	475
Nitrogen, Ammonia as N	mg/L	0.7	0.32	0.36	0.51
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Potassium	mg/L	9	10	10.7	12.1
Sodium	mg/L	86	91	98	98.6
Sulfate	mg/L	3270	3230	3470	3190
pH	s.u.	3.78	4.15	3.91	3.54
Solids, Total Dissolved TDS @ 180 C	mg/L	5040	4870	4770	4850
Aluminum	mg/L	0.3	0.4	0.5	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	0.36	0.34	0.38	0.38
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	6.18	6.12	6.59	6.34
Molybdenum	mg/L	0.1	0.2	0.2	0.2
Nickel	mg/L	0.32	0.33	0.35	0.35
Uranium	mg/L	0.0214	0.0206	0.0248	0.0241
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.006	0.005	0.01	0.045
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	10.3	6.4	8.4	9.1
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.2	0.8	0.8	1.0
Gross Alpha minus Rn & U MDC	pCi/L	0.5	0.3		
Lead 210	pCi/L	2.1	2.3	0.0	ND(1.0)
Lead 210 precision (±)	pCi/L	5.0	6.8	1.9	0
Lead 210 MDC	pCi/L	8.3	11.3		
Radium 226	pCi/L	4.4	3.7	4.0	7.0
Radium 226 precision (±)	pCi/L	0.52	0.37	0.3	0.9
Radium 226 MDC	pCi/L	0.32	0.17	0.1	
Radium 228	pCi/L	7.5	9.8	18.4	15.3
Radium 228 precision (±)	pCi/L	1.1	0.89	1.5	1.4
Radium 228 MDC	pCi/L	1.3	0.91	1.4	
Thorium 230	pCi/L	0.1	0.2	0.4	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.5	0.7	0.8	
A/C Balance (± 5)	%	-3.28	-1.63		0.089
Anions	meq/L	68.6	67.7		67.1
Cations	meq/L	64.2	65.5		67.2
Solids, Total Dissolved Calculated	mg/L	4270	4270		4260
TDS Balance (0.80 - 1.20)		1.18	1.14		1.14
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

**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: C08070631-001
Client Sample ID: 613

Report Date: 09/10/08
Collection Date: 07/08/08 11:45
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	ND	mg/L		1		A2320 B	07/16/08 13:05 / ljl
Calcium	414	mg/L		1		E200.7	09/03/08 15:59 / cp
Chloride	188	mg/L		1		A4500-Cl B	07/24/08 16:16 / sp
Magnesium	700	mg/L		1		E200.7	09/03/08 15:59 / cp
Nitrogen, Ammonia as N	264	mg/L	D	2		E350.1	07/29/08 15:24 / eli-b
Nitrogen, Nitrate+Nitrite as N	7.1	mg/L		0.1		E353.2	07/25/08 12:59 / eli-b
Potassium	ND	mg/L		1		E200.7	09/03/08 15:59 / cp
Sodium	261	mg/L	D	8		E200.7	09/03/08 15:59 / cp
Sulfate	9300	mg/L	D	300		A4500-SO4 E	07/31/08 11:57 / jal
PHYSICAL PROPERTIES							
pH	3.05	s.u.		0.01		A4500-H B	07/15/08 12:52 / sp
Solids, Total Dissolved TDS @ 180 C	12000	mg/L		10		A2540 C	07/15/08 14:48 / dd
METALS - TOTAL							
Aluminum	711	mg/L	D	0.2		E200.7	07/24/08 20:17 / cp
Beryllium	0.17	mg/L		0.01		E200.8	07/30/08 01:29 / ts
Cadmium	0.040	mg/L		0.005		E200.8	07/30/08 01:29 / ts
Cobalt	1.89	mg/L		0.01		E200.8	07/30/08 01:29 / ts
Lead	ND	mg/L		0.05		E200.8	07/30/08 01:29 / ts
Manganese	61.0	mg/L		0.01		E200.7	07/24/08 20:17 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/24/08 20:17 / cp
Nickel	1.83	mg/L		0.05		E200.8	07/30/08 01:29 / ts
Uranium	1.20	mg/L		0.0003		E200.8	07/30/08 01:29 / ts
Vanadium	2.3	mg/L		0.1		E200.7	07/24/08 20:17 / cp
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	07/31/08 17:53 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/05/08 15:20 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	78.7	pCi/L				E900.1	08/20/08 22:36 / crw
Gross Alpha minus Rn & U Precision (±)	3.2	pCi/L				E900.1	08/20/08 22:36 / crw
Gross Alpha minus Rn & U MDC	0.5	pCi/L				E900.1	08/20/08 22:36 / crw
Lead 210	6.0	pCi/L	U			E909.0M	07/28/08 08:15 / dm
Lead 210 precision (±)	6.9	pCi/L				E909.0M	07/28/08 08:15 / dm
Lead 210 MDC	11.3	pCi/L				E909.0M	07/28/08 08:15 / dm
Radium 226	13	pCi/L				E903.0	08/11/08 17:36 / trs
Radium 226 precision (±)	0.93	pCi/L				E903.0	08/11/08 17:36 / trs
Radium 226 MDC	0.32	pCi/L				E903.0	08/11/08 17:36 / trs
Radium 228	0.98	pCi/L	U			RA-05	08/05/08 06:30 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08070631-001
Client Sample ID: 613

Report Date: 09/10/08
Collection Date: 07/08/08 11:45
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision (±)	0.91	pCi/L				RA-05	08/05/08 06:30 / plj
Radium 228 MDC	1.5	pCi/L				RA-05	08/05/08 06:30 / plj
Thorium 230	674	pCi/L		0.2		E907.0	08/10/08 16:48 / dmf
Thorium 230 precision (±)	20.8	pCi/L				E907.0	08/10/08 16:48 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-29.5	%				Calculation	09/09/08 16:39 / sdw
Anions	199	meq/L				Calculation	09/09/08 16:39 / sdw
Cations	109	meq/L				Calculation	09/09/08 16:39 / sdw
Solids, Total Dissolved Calculated	10900	mg/L				Calculation	09/09/08 16:39 / sdw
TDS Balance (0.80 - 1.20)	1.10					Calculation	09/09/08 16:39 / sdw
- The ion balance is not appropriate for samples exhibiting low pH.							
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/16/08 19:44 / jlr
Bromoform	ND	ug/L		0.50		E624	07/16/08 19:44 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/16/08 19:44 / jlr
Chloroform	98.0	ug/L	D	5.0		E624	07/16/08 18:28 / jlr
Trihalomethanes, Total	98.0	ug/L		0.50		E624	07/16/08 19:44 / jlr
Surr: 1,2-Dichlorobenzene-d4	99.0	%REC		80-120		E624	07/16/08 19:44 / jlr
Surr: Dibromofluoromethane	112	%REC		80-120		E624	07/16/08 19:44 / jlr
Surr: p-Bromofluorobenzene	92.0	%REC		80-120		E624	07/16/08 19:44 / jlr
Surr: Toluene-d8	88.0	%REC		80-120		E624	07/16/08 19:44 / jlr

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08100478-001
Client Sample ID: 613

Report Date: 11/14/08
Collection Date: 10/07/08 11:45
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	ND	mg/L		1		A2320 B	10/13/08 17:04 / ljl
Calcium	411	mg/L		1		E200.7	10/28/08 21:31 / cp
Chloride	119	mg/L		1		A4500-Cl B	10/14/08 09:12 / sp
Magnesium	680	mg/L		1		E200.7	10/28/08 21:31 / cp
Nitrogen, Ammonia as N	242	mg/L	D	2		E350.1	10/17/08 13:50 / eli-b
Nitrogen, Nitrate+Nitrite as N	7.6	mg/L		0.1		E353.2	10/15/08 12:26 / eli-b
Potassium	ND	mg/L		1		E200.7	10/28/08 21:31 / cp
Sodium	250	mg/L	D	8		E200.7	10/28/08 21:31 / cp
Sulfate	9300	mg/L	DH	100		A4500-SO4 E	11/06/08 15:49 / jal
- H-Original analysis was done within hold time. Data is from recheck analysis.							
PHYSICAL PROPERTIES							
pH	3.07	s.u.		0.01		A4500-H B	10/13/08 13:41 / dd
Solids, Total Dissolved TDS @ 180 C	12500	mg/L		10		A2540 C	10/14/08 08:31 / jah
METALS - TOTAL							
Aluminum	787	mg/L		0.1		E200.8	11/07/08 15:23 / sml
Beryllium	0.18	mg/L		0.01		E200.8	11/03/08 18:27 / ts
Cadmium	0.034	mg/L		0.005		E200.8	10/24/08 02:44 / sml
Cobalt	2.27	mg/L		0.01		E200.8	10/24/08 02:44 / sml
Lead	ND	mg/L		0.05		E200.8	10/24/08 02:44 / sml
Manganese	57.9	mg/L		0.01		E200.8	10/25/08 16:06 / sml
Molybdenum	ND	mg/L		0.1		E200.8	10/24/08 02:44 / sml
Nickel	2.05	mg/L		0.05		E200.8	10/24/08 02:44 / sml
Uranium	1.28	mg/L	D	0.0005		E200.8	10/24/08 02:44 / sml
Vanadium	2.8	mg/L		0.1		E200.8	10/24/08 02:44 / sml
METALS - SPECIATED							
Arsenic-III	0.001	mg/L		0.001		E1632AM	10/21/08 17:27 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/16/08 09:57 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	53.1	pCi/L				E900.1	10/30/08 15:08 / cgr
Gross Alpha minus Rn & U Precision (±)	2.4	pCi/L				E900.1	10/30/08 15:08 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 15:08 / cgr
Lead 210	0.5	pCi/L	U			E909.0M	10/27/08 10:08 / dm
Lead 210 precision (±)	2.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Lead 210 MDC	4.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Radium 226	8.2	pCi/L				E903.0	11/10/08 11:34 / trs
Radium 226 precision (±)	0.60	pCi/L				E903.0	11/10/08 11:34 / trs
Radium 226 MDC	0.22	pCi/L				E903.0	11/10/08 11:34 / trs
Radium 228	0.54	pCi/L	U			RA-05	11/04/08 10:04 / plj
Radium 228 precision (±)	0.81	pCi/L				RA-05	11/04/08 10:04 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 10:04 / plj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08100478-001
Client Sample ID: 613

Report Date: 11/14/08
Collection Date: 10/07/08 11:45
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	467	pCi/L		0.2		E907.0	10/30/08 08:06 / dmf
Thorium 230 precision (±)	77.2	pCi/L				E907.0	10/30/08 08:06 / dmf
DATA QUALITY							
A/C Balance (± 5)	-3.97	%				Calculation	11/10/08 16:09 / sdw
Anions	198	meq/L				Calculation	11/10/08 16:09 / sdw
Cations	183	meq/L				Calculation	11/10/08 16:09 / sdw
Solids, Total Dissolved Calculated	10800	mg/L				Calculation	11/10/08 16:09 / sdw
TDS Balance (0.80 - 1.20)	1.16					Calculation	11/10/08 16:09 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/15/08 09:02 / wen
Bromoform	ND	ug/L		0.50		E624	10/15/08 09:02 / wen
Chlorodibromomethane	ND	ug/L		0.50		E624	10/15/08 09:02 / wen
Chloroform	87.6	ug/L	D	5.0		E624	10/21/08 04:36 / wen
Trihalomethanes, Total	87.6	ug/L		0.50		E624	10/15/08 09:02 / wen
Surr: 1,2-Dichlorobenzene-d4	116	%REC		80-120		E624	10/15/08 09:02 / wen
Surr: Dibromofluoromethane	144	%REC	S	80-120		E624	10/15/08 09:02 / wen
Surr: p-Bromofluorobenzene	109	%REC		80-120		E624	10/15/08 09:02 / wen
Surr: Toluene-d8	98.0	%REC		80-120		E624	10/15/08 09:02 / wen

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
S - Spike recovery outside of advisory limits.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3 Monitor Wells					
Well ID:		613	613	613	613
Collection Date:		10/7/2008	7/8/2008	4/8/2008	1/15/2008
Receive Date:		10/10/2008	7/14/2008	4/9/2008	1/16/2008
Report Date:		11/18/2008	9/10/2008	5/22/2008	3/28/2008
Analyte	Units	C08100478-001	C08070631-001	C08040584-001	C08010856-001
Bicarbonate as HCO3	mg/L	ND(1)	ND(1)	ND(1)	ND(1)
Calcium	mg/L	411	414	458	387
Chloride	mg/L	119	188	183	196
Magnesium	mg/L	680	700	791	658
Nitrogen, Ammonia as N	mg/L	242	264	251	269
Nitrogen, Nitrate+Nitrite as N	mg/L	7.6	7.1	9.6	9.1
Potassium	mg/L	ND(1)	ND(1)	ND(2)	1.3
Sodium	mg/L	250	261	305	274
Sulfate	mg/L	9300	9300	9430	8380
pH	s.u.	3.07	3.05	2.99	3.40
Solids, Total Dissolved TDS @ 180 C	mg/L	12500	12000	12500	12200
Aluminum	mg/L	787	711	500	733
Beryllium	mg/L	0.18	0.17	0.20	0.17
Cadmium	mg/L	0.034	0.040	0.036	0.037
Cobalt	mg/L	2.27	1.89	2.11	1.82
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	57.9	61.0	62.6	51.7
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	2.05	1.83	2.05	1.88
Uranium	mg/L	1.28	1.20	1.44	1.21
Vanadium	mg/L	2.8	2.3	2.4	2.3
Arsenic-III	mg/L	0.001	ND(0.003)	0.002	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	53.1	78.7	53.6	52.5
Gross Alpha minus Rn & U Precision (±)	pCi/L	2.4	3.2	2.7	3.0
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.5		
Lead 210	pCi/L	0.5	6.0	0.0	6.0
Lead 210 precision (±)	pCi/L	2.9	6.9	1.1	1.6
Lead 210 MDC	pCi/L	4.9	11.3		
Radium 226	pCi/L	8.2	13	7.9	15.3
Radium 226 precision (±)	pCi/L	0.60	0.93	0.5	1.4
Radium 226 MDC	pCi/L	0.22	0.32	0.2	
Radium 228	pCi/L	0.54	0.98	0.5	1.8
Radium 228 precision (±)	pCi/L	0.81	0.91	0.7	1.0
Radium 228 MDC	pCi/L	1.3	1.5	1.2	
Thorium 230	pCi/L	467	674	798	750
Thorium 230 precision (±)	pCi/L	77.2	20.8	58	57
A/C Balance (± 5)	%	-3.97	-29.5	-5.03	2.49
Anions	meq/L	198	199	202	181
Cations	meq/L	183	109	183	190
Solids, Total Dissolved Calculated	mg/L	10800	10900	12000	10700
TDS Balance (0.80 - 1.20)		1.16	1.10	1.04	1.14
Trihalomethanes, Total	ug/L	87.6	98.0	97.6	144

**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: C08070864-001
Client Sample ID: 708

Report Date: 09/05/08
Collection Date: 07/14/08 14:05
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	ND	mg/L		1		A2320 B	07/21/08 19:30 / ljl
Calcium	413	mg/L		1		E200.7	08/01/08 15:41 / cp
Chloride	24	mg/L		1		A4500-Cl B	07/25/08 13:02 / jal
Magnesium	519	mg/L		1		E200.7	08/01/08 15:41 / cp
Nitrogen, Ammonia as N	0.78	mg/L		0.05		E350.1	07/23/08 12:38 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/28/08 15:21 / eli-b
Potassium	10	mg/L		1		E200.7	08/01/08 15:41 / cp
Sodium	100	mg/L	D	8		E200.7	08/01/08 15:41 / cp
Sulfate	3920	mg/L	D	60		A4500-SO4 E	07/31/08 11:32 / jal
PHYSICAL PROPERTIES							
pH	3.62	s.u.		0.01		A4500-H B	07/21/08 10:45 / jah
Solids, Total Dissolved TDS @ 180 C	5990	mg/L		10		A2540 C	07/21/08 16:22 / dd
METALS - TOTAL							
Aluminum	7.5	mg/L		0.1		E200.8	08/02/08 06:57 / sml
Beryllium	0.01	mg/L		0.01		E200.8	07/30/08 07:54 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/30/08 07:54 / ts
Cobalt	0.36	mg/L		0.01		E200.8	07/30/08 07:54 / ts
Lead	ND	mg/L		0.05		E200.8	07/30/08 07:54 / ts
Manganese	11.8	mg/L		0.01		E200.8	07/30/08 07:54 / ts
Molybdenum	ND	mg/L		0.1		E200.8	07/30/08 07:54 / ts
Nickel	0.36	mg/L		0.05		E200.8	07/30/08 07:54 / ts
Uranium	0.0311	mg/L		0.0003		E200.8	07/30/08 07:54 / ts
Vanadium	ND	mg/L		0.1		E200.8	07/30/08 07:54 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	07/31/08 18:02 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/07/08 08:52 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	9.4	pCi/L				E900.1	08/11/08 10:19 / crw
Gross Alpha minus Rn & U Precision (±)	1	pCi/L				E900.1	08/11/08 10:19 / crw
Gross Alpha minus Rn & U MDC	0.3	pCi/L				E900.1	08/11/08 10:19 / crw
Lead 210	8.0	pCi/L	U			E909.0M	07/28/08 08:15 / dm
Lead 210 precision (±)	6.9	pCi/L				E909.0M	07/28/08 08:15 / dm
Lead 210 MDC	11.3	pCi/L				E909.0M	07/28/08 08:15 / dm
Radium 226	6.4	pCi/L				E903.0	08/25/08 09:48 / trs
Radium 226 precision (±)	0.47	pCi/L				E903.0	08/25/08 09:48 / trs
Radium 226 MDC	0.17	pCi/L				E903.0	08/25/08 09:48 / trs
Radium 228	5.2	pCi/L				RA-05	08/19/08 06:40 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08070864-001
Client Sample ID: 708

Report Date: 09/05/08
Collection Date: 07/14/08 14:05
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision (±)	0.75	pCi/L				RA-05	08/19/08 06:40 / plj
Radium 228 MDC	0.91	pCi/L				RA-05	08/19/08 06:40 / plj
Thorium 230	0.1	pCi/L	U	0.2		E907.0	08/18/08 13:12 / dmf
Thorium 230 precision (±)	0.3	pCi/L				E907.0	08/18/08 13:12 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-9.60	%				Calculation	09/03/08 13:06 / sec
Anions	82.4	meq/L				Calculation	09/03/08 13:06 / sec
Cations	68.0	meq/L				Calculation	09/03/08 13:06 / sec
Solids, Total Dissolved Calculated	4990	mg/L				Calculation	09/03/08 13:06 / sec
TDS Balance (0.80 - 1.20)	1.20					Calculation	09/03/08 13:06 / sec
- *The ion balance is not appropriate for samples exhibiting low pH.*							
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/21/08 12:36 / jlr
Bromoform	ND	ug/L		0.50		E624	07/21/08 12:36 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/21/08 12:36 / jlr
Chloroform	ND	ug/L		0.50		E624	07/21/08 12:36 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	07/21/08 12:36 / jlr
Surr: 1,2-Dichlorobenzene-d4	97.0	%REC		80-120		E624	07/21/08 12:36 / jlr
Surr: Dibromofluoromethane	110	%REC		80-120		E624	07/21/08 12:36 / jlr
Surr: p-Bromofluorobenzene	91.0	%REC		80-120		E624	07/21/08 12:36 / jlr
Surr: Toluene-d8	88.0	%REC		80-120		E624	07/21/08 12:36 / jlr

Report Definitions:
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QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08100853-001
Client Sample ID: 708

Report Date: 11/19/08
Collection Date: 10/13/08 14:50
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	ND	mg/L		1		A2320 B	10/20/08 15:26 / ljl
Calcium	460	mg/L		1		E200.7	11/05/08 11:52 / cp
Chloride	24	mg/L		1		A4500-Cl B	10/27/08 13:14 / jal
Magnesium	574	mg/L		1		E200.7	11/05/08 11:52 / cp
Nitrogen, Ammonia as N	1.4	mg/L	D	0.4		E350.1	10/27/08 11:55 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/22/08 15:00 / eli-b
Potassium	8	mg/L		1		E200.7	11/05/08 11:52 / cp
Sodium	109	mg/L	D	8		E200.7	11/05/08 11:52 / cp
Sulfate	4090	mg/L	D	60		A4500-SO4 E	10/20/08 11:56 / jal
PHYSICAL PROPERTIES							
pH	3.58	s.u.		0.01		A4500-H B	10/20/08 10:50 / dd
Solids, Total Dissolved TDS @ 180 C	6020	mg/L		10		A2540 C	10/20/08 15:16 / jah
METALS - TOTAL							
Aluminum	6.4	mg/L		0.1		E200.8	11/04/08 19:27 / ts
Beryllium	0.01	mg/L		0.01		E200.8	11/04/08 19:27 / ts
Cadmium	ND	mg/L		0.005		E200.8	11/04/08 19:27 / ts
Cobalt	0.37	mg/L		0.01		E200.8	11/04/08 19:27 / ts
Lead	ND	mg/L		0.05		E200.8	11/04/08 19:27 / ts
Manganese	11.7	mg/L		0.01		E200.8	11/04/08 19:27 / ts
Molybdenum	ND	mg/L		0.1		E200.8	11/04/08 19:27 / ts
Nickel	0.36	mg/L		0.05		E200.8	11/04/08 19:27 / ts
Uranium	0.0320	mg/L		0.0003		E200.8	11/04/08 19:27 / ts
Vanadium	ND	mg/L		0.1		E200.8	11/04/08 19:27 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/24/08 15:10 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/30/08 10:16 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	14.8	pCi/L				E900.1	10/30/08 18:30 / cgr
Gross Alpha minus Rn & U Precision (±)	1.4	pCi/L				E900.1	10/30/08 18:30 / cgr
Gross Alpha minus Rn & U MDC	0.5	pCi/L				E900.1	10/30/08 18:30 / cgr
Lead 210	0.5	pCi/L	U			E909.0M	10/29/08 10:30 / dm
Lead 210 precision (±)	2.5	pCi/L				E909.0M	10/29/08 10:30 / dm
Lead 210 MDC	4.2	pCi/L				E909.0M	10/29/08 10:30 / dm
Radium 226	7.9	pCi/L				E903.0	11/11/08 00:34 / trs
Radium 226 precision (±)	0.60	pCi/L				E903.0	11/11/08 00:34 / trs
Radium 226 MDC	0.26	pCi/L				E903.0	11/11/08 00:34 / trs
Radium 228	4.4	pCi/L				RA-05	11/04/08 16:22 / plj
Radium 228 precision (±)	0.97	pCi/L				RA-05	11/04/08 16:22 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 16:22 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08100853-001
Client Sample ID: 708

Report Date: 11/19/08
Collection Date: 10/13/08 14:50
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	-0.1	pCi/L	U	0.2		E907.0	10/31/08 07:44 / dmf
Thorium 230 precision (±)	0.7	pCi/L				E907.0	10/31/08 07:44 / dmf
DATA QUALITY							
A/C Balance (± 5)	-0.939	%				Calculation	11/10/08 17:12 / sdw
Anions	85.8	meq/L				Calculation	11/10/08 17:12 / sdw
Cations	84.2	meq/L				Calculation	11/10/08 17:12 / sdw
Solids, Total Dissolved Calculated	5300	mg/L				Calculation	11/10/08 17:12 / sdw
TDS Balance (0.80 - 1.20)	1.14					Calculation	11/10/08 17:12 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/25/08 23:16 / jlr
Bromoform	ND	ug/L		0.50		E624	10/25/08 23:16 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	10/25/08 23:16 / jlr
Chloroform	ND	ug/L		0.50		E624	10/25/08 23:16 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/25/08 23:16 / jlr
Surr: 1,2-Dichlorobenzene-d4	102	%REC		80-120		E624	10/25/08 23:16 / jlr
Surr: Dibromofluoromethane	108	%REC		80-120		E624	10/25/08 23:16 / jlr
Surr: p-Bromofluorobenzene	89.0	%REC		80-120		E624	10/25/08 23:16 / jlr
Surr: Toluene-d8	101	%REC		80-120		E624	10/25/08 23:16 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3 Monitor Wells					
Well ID:		708	708	708	708
Collection Date:		10/13/2008	7/14/2008	4/15/2008	1/21/2008
Receive Date:		10/17/2008	7/18/2008	4/18/2008	1/25/2008
Report Date:		11/20/2008	9/5/2008	6/9/2008	4/2/2008
Analyte	Units	C08100853-001	C08070864-001	C08040891-007	C08011074-002
Bicarbonate as HCO3	mg/L	ND(1)	ND(1)	ND(1)	ND(1)
Calcium	mg/L	460	413	461	422
Chloride	mg/L	24	24	25	37
Magnesium	mg/L	574	519	594	553
Nitrogen, Ammonia as N	mg/L	1.4	0.78	0.89	1.19
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	0.1
Potassium	mg/L	8	10	12.4	13.3
Sodium	mg/L	109	100	108	111
Sulfate	mg/L	4090	3920	4370	3630
pH	s.u.	3.58	3.62	2.95	3.05
Solids, Total Dissolved TDS @ 180 C	mg/L	6020	5990	5610	5680
Aluminum	mg/L	6.4	7.5	6.4	4.2
Beryllium	mg/L	0.01	0.01	0.01	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.37	0.36	0.34	0.37
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	11.7	11.8	11.1	11.4
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.36	0.36	0.33	0.37
Uranium	mg/L	0.0320	0.0311	0.0321	0.0246
Vanadium	mg/L	ND(0.1)	ND(0.1)	0.2	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.003)	ND(0.001)	0.003
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	0.002
Gross Alpha minus Rn & U	pCi/L	14.8	9.4	10.8	11.6
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.4	1	1.0	1.1
Gross Alpha minus Rn & U MDC	pCi/L	0.5	0.3		
Lead 210	pCi/L	0.5	8.0	-18	5.0
Lead 210 precision (±)	pCi/L	2.5	6.9	3.2	1.6
Lead 210 MDC	pCi/L	4.2	11.3		
Radium 226	pCi/L	7.9	6.4	6.5	7.9
Radium 226 precision (±)	pCi/L	0.60	0.47	0.4	1.0
Radium 226 MDC	pCi/L	0.26	0.17	0.1	
Radium 228	pCi/L	4.4	5.2	9.2	4.5
Radium 228 precision (±)	pCi/L	0.97	0.75	1.2	1.2
Radium 228 MDC	pCi/L	1.3	0.91	1.4	
Thorium 230	pCi/L	-0.1	0.1	0.0	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.7	0.3	0.6	
A/C Balance (± 5)	%	-0.939	-9.60		-2.41
Anions	meq/L	85.8	82.4		76.7
Cations	meq/L	84.2	68.0		73.1
Solids, Total Dissolved Calculated	mg/L	5300	4990		4790
TDS Balance (0.80 - 1.20)		1.14	1.20		1.19
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

**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	**Report Date:**	09/05/08
Project:	Zone 3	**Collection Date:**	07/15/08 13:30
Lab ID:	C08070864-009	**DateReceived:**	07/18/08
Client Sample ID:	NBL-1	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	246	mg/L		1		A2320 B	07/21/08 20:18 / ljl
Calcium	543	mg/L		1		E200.7	08/01/08 16:13 / cp
Chloride	50	mg/L		1		A4500-Cl B	07/25/08 13:41 / jal
Magnesium	245	mg/L		1		E200.7	08/01/08 16:13 / cp
Nitrogen, Ammonia as N	4.25	mg/L		0.05		E350.1	07/23/08 12:49 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/28/08 15:28 / eli-b
Potassium	12	mg/L		1		E200.7	08/01/08 16:13 / cp
Sodium	135	mg/L	D	8		E200.7	08/01/08 16:13 / cp
Sulfate	2490	mg/L	D	60		A4500-SO4 E	07/31/08 11:44 / jal
PHYSICAL PROPERTIES							
pH	6.66	s.u.		0.01		A4500-H B	07/21/08 11:16 / jah
Solids, Total Dissolved TDS @ 180 C	4040	mg/L		10		A2540 C	07/21/08 16:26 / dd
METALS - TOTAL							
Aluminum	0.1	mg/L		0.1		E200.8	08/02/08 08:17 / sml
Beryllium	ND	mg/L		0.01		E200.8	07/30/08 09:15 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/30/08 09:15 / ts
Cobalt	0.08	mg/L		0.01		E200.8	07/30/08 09:15 / ts
Lead	ND	mg/L		0.05		E200.8	07/30/08 09:15 / ts
Manganese	6.37	mg/L		0.01		E200.8	07/30/08 09:15 / ts
Molybdenum	1.0	mg/L		0.1		E200.8	07/30/08 09:15 / ts
Nickel	0.12	mg/L		0.05		E200.8	07/30/08 09:15 / ts
Uranium	0.126	mg/L		0.0003		E200.8	08/02/08 08:17 / sml
Vanadium	ND	mg/L		0.1		E200.8	07/30/08 09:15 / ts
METALS - SPECIATED							
Arsenic-III	0.052	mg/L		0.003		E1632AM	08/01/08 11:14 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/07/08 09:31 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	10.4	pCi/L				E900.1	08/11/08 10:19 / crw
Gross Alpha minus Rn & U Precision (±)	1.0	pCi/L				E900.1	08/11/08 10:19 / crw
Gross Alpha minus Rn & U MDC	0.3	pCi/L				E900.1	08/11/08 10:19 / crw
Lead 210	1.8	pCi/L	U			E909.0M	07/28/08 08:15 / dm
Lead 210 precision (±)	6.8	pCi/L				E909.0M	07/28/08 08:15 / dm
Lead 210 MDC	11.3	pCi/L				E909.0M	07/28/08 08:15 / dm
Radium 226	8.8	pCi/L				E903.0	08/26/08 17:11 / trs
Radium 226 precision (±)	0.50	pCi/L				E903.0	08/26/08 17:11 / trs
Radium 226 MDC	0.09	pCi/L				E903.0	08/26/08 17:11 / trs
Radium 228	11	pCi/L				RA-05	08/19/08 08:46 / plj

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MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08070864-009
Client Sample ID: NBL-1

Report Date: 09/05/08
Collection Date: 07/15/08 13:30
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision (±)	1.1	pCi/L				RA-05	08/19/08 08:46 / plj
Radium 228 MDC	1.1	pCi/L				RA-05	08/19/08 08:46 / plj
Thorium 230	0.1	pCi/L	U	0.2		E907.0	08/18/08 17:27 / dmf
Thorium 230 precision (±)	0.3	pCi/L				E907.0	08/18/08 17:27 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-3.27	%				Calculation	09/05/08 11:16 / sec
Anions	57.4	meq/L				Calculation	09/05/08 11:16 / sec
Cations	53.8	meq/L				Calculation	09/05/08 11:16 / sec
Solids, Total Dissolved Calculated	3600	mg/L				Calculation	09/05/08 11:16 / sec
TDS Balance (0.80 - 1.20)	1.12					Calculation	09/05/08 11:16 / sec
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/21/08 21:29 / jlr
Bromoform	ND	ug/L		0.50		E624	07/21/08 21:29 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/21/08 21:29 / jlr
Chloroform	ND	ug/L		0.50		E624	07/21/08 21:29 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	07/21/08 21:29 / jlr
Surr: 1,2-Dichlorobenzene-d4	99.0	%REC		80-120		E624	07/21/08 21:29 / jlr
Surr: Dibromofluoromethane	101	%REC		80-120		E624	07/21/08 21:29 / jlr
Surr: p-Bromofluorobenzene	91.0	%REC		80-120		E624	07/21/08 21:29 / jlr
Surr: Toluene-d8	94.0	%REC		80-120		E624	07/21/08 21:29 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08100853-010
Client Sample ID: NBL-1

Report Date: 11/19/08
Collection Date: 10/14/08 12:55
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	253	mg/L		1		A2320 B	10/20/08 16:33 / ljl
Calcium	569	mg/L		1		E200.7	11/05/08 12:57 / cp
Chloride	51	mg/L		1		A4500-Cl B	10/27/08 13:42 / jal
Magnesium	255	mg/L		1		E200.7	11/05/08 12:57 / cp
Nitrogen, Ammonia as N	4.5	mg/L	D	0.4		E350.1	10/27/08 12:09 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/23/08 10:59 / eli-b
Potassium	13	mg/L		1		E200.7	11/05/08 12:57 / cp
Sodium	138	mg/L	D	4		E200.7	11/05/08 12:57 / cp
Sulfate	2640	mg/L	D	60		A4500-SO4 E	10/20/08 12:14 / jal
PHYSICAL PROPERTIES							
pH	6.49	s.u.		0.01		A4500-H B	10/20/08 13:21 / dd
Solids, Total Dissolved TDS @ 180 C	4010	mg/L		10		A2540 C	10/20/08 15:18 / jah
METALS - TOTAL							
Aluminum	0.7	mg/L		0.1		E200.8	11/04/08 20:21 / ts
Beryllium	ND	mg/L		0.01		E200.8	11/04/08 20:21 / ts
Cadmium	ND	mg/L		0.005		E200.8	11/04/08 20:21 / ts
Cobalt	0.01	mg/L		0.01		E200.8	11/04/08 20:21 / ts
Lead	ND	mg/L		0.05		E200.8	11/04/08 20:21 / ts
Manganese	2.00	mg/L		0.01		E200.8	11/04/08 20:21 / ts
Molybdenum	0.8	mg/L		0.1		E200.8	11/04/08 20:21 / ts
Nickel	ND	mg/L		0.05		E200.8	11/04/08 20:21 / ts
Uranium	0.270	mg/L		0.0003		E200.8	11/04/08 20:21 / ts
Vanadium	ND	mg/L		0.1		E200.8	11/04/08 20:21 / ts
METALS - SPECIATED							
Arsenic-III	0.056	mg/L		0.001		E1632AM	10/27/08 16:12 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/30/08 10:46 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	12.1	pCi/L				E900.1	10/30/08 18:30 / cgr
Gross Alpha minus Rn & U Precision (±)	1.3	pCi/L				E900.1	10/30/08 18:30 / cgr
Gross Alpha minus Rn & U MDC	0.5	pCi/L				E900.1	10/30/08 18:30 / cgr
Lead 210	0.6	pCi/L	U			E909.0M	10/29/08 10:30 / dm
Lead 210 precision (±)	2.5	pCi/L				E909.0M	10/29/08 10:30 / dm
Lead 210 MDC	4.2	pCi/L				E909.0M	10/29/08 10:30 / dm
Radium 226	8.3	pCi/L				E903.0	11/11/08 02:26 / trs
Radium 226 precision (±)	0.61	pCi/L				E903.0	11/11/08 02:26 / trs
Radium 226 MDC	0.26	pCi/L				E903.0	11/11/08 02:26 / trs
Radium 228	7.3	pCi/L				RA-05	11/04/08 16:22 / plj
Radium 228 precision (±)	1.1	pCi/L				RA-05	11/04/08 16:22 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 16:22 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08100853-010
Client Sample ID: NBL-1

Report Date: 11/19/08
Collection Date: 10/14/08 12:55
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.2	pCi/L		0.2		E907.0	10/31/08 07:44 / dmf
Thorium 230 precision (±)	0.5	pCi/L				E907.0	10/31/08 07:44 / dmf
DATA QUALITY							
A/C Balance (± 5)	-3.87	%				Calculation	11/07/08 16:50 / sdw
Anions	60.5	meq/L				Calculation	11/07/08 16:50 / sdw
Cations	56.0	meq/L				Calculation	11/07/08 16:50 / sdw
Solids, Total Dissolved Calculated	3790	mg/L				Calculation	11/07/08 16:50 / sdw
TDS Balance (0.80 - 1.20)	1.06					Calculation	11/07/08 16:50 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/27/08 17:42 / jlr
Bromoform	ND	ug/L		0.50		E624	10/27/08 17:42 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	10/27/08 17:42 / jlr
Chloroform	ND	ug/L		0.50		E624	10/27/08 17:42 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/27/08 17:42 / jlr
Surr: 1,2-Dichlorobenzene-d4	100	%REC		80-120		E624	10/27/08 17:42 / jlr
Surr: Dibromofluoromethane	98.0	%REC		80-120		E624	10/27/08 17:42 / jlr
Surr: p-Bromofluorobenzene	91.0	%REC		80-120		E624	10/27/08 17:42 / jlr
Surr: Toluene-d8	95.0	%REC		80-120		E624	10/27/08 17:42 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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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:		10/14/2008	7/15/2008	4/15/2008	1/22/2008
Receive Date:		10/17/2008	7/18/2008	4/18/2008	1/25/2008
Report Date:		11/20/2008	9/5/2008	6/9/2008	4/2/2008
Analyte	Units	C08100853-010	C08070864-009	C08040891-004	C08011074-011
Bicarbonate as HCO3	mg/L	253	246	8	113
Calcium	mg/L	569	543	617	568
Chloride	mg/L	51	50	48	57
Magnesium	mg/L	255	245	270	252
Nitrogen, Ammonia as N	mg/L	4.5	4.25	3.88	8.43
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	0.4
Potassium	mg/L	13	12	13.6	15.7
Sodium	mg/L	138	135	141	121
Sulfate	mg/L	2640	2490	2760	2630
pH	s.u.	6.49	6.66	4.85	5.92
Solids, Total Dissolved TDS @ 180 C	mg/L	4010	4040	4030	4070
Aluminum	mg/L	0.7	0.1	2.5	2.8
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	0.01	0.08	0.15	0.25
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	2.00	6.37	6.45	7.14
Molybdenum	mg/L	0.8	1.0	1.0	1.9
Nickel	mg/L	ND(0.05)	0.12	0.21	0.32
Uranium	mg/L	0.270	0.126	0.134	0.138
Vanadium	mg/L	ND(0.1)	ND(0.1)	0.1	ND(0.1)
Arsenic-III	mg/L	0.056	0.052	0.18	0.969
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	0.01
Gross Alpha minus Rn & U	pCi/L	12.1	10.4	10.0	16.5
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.3	1.0	0.9	1.3
Gross Alpha minus Rn & U MDC	pCi/L	0.5	0.3		
Lead 210	pCi/L	0.6	1.8	-5.0	ND(1.0)
Lead 210 precision (±)	pCi/L	2.5	6.8	2.3	
Lead 210 MDC	pCi/L	4.2	11.3		
Radium 226	pCi/L	8.3	8.8	7.9	16.1
Radium 226 precision (±)	pCi/L	0.61	0.50	0.5	1.9
Radium 226 MDC	pCi/L	0.26	0.09	0.1	
Radium 228	pCi/L	7.3	11	12.9	10.8
Radium 228 precision (±)	pCi/L	1.1	1.1	1.3	2.1
Radium 228 MDC	pCi/L	1.3	1.1	1.4	
Thorium 230	pCi/L	0.2	0.1	0.1	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.5	0.3	0.3	
A/C Balance (± 5)	%	-3.87	-3.27		-1.82
Anions	meq/L	60.5	57.4		58.3
Cations	meq/L	56.0	53.8		56.2
Solids, Total Dissolved Calculated	mg/L	3790	3600		3710
TDS Balance (0.80 - 1.20)		1.06	1.12		1.10
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

**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: C08070864-004
Client Sample ID: EPA-13

Revised Date: 11/03/08
Report Date: 09/05/08
Collection Date: 07/14/08 16:05
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	77	mg/L		1		A2320 B	07/21/08 19:51 / ljl
Calcium	458	mg/L		1		E200.7	08/01/08 15:53 / cp
Chloride	40	mg/L		1		A4500-Cl B	07/25/08 13:16 / jal
Magnesium	748	mg/L		1		E200.7	08/01/08 15:53 / cp
Nitrogen, Ammonia as N	0.24	mg/L		0.05		E350.1	07/23/08 12:43 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/28/08 15:24 / eli-b
Potassium	12	mg/L		1		E200.7	08/01/08 15:53 / cp
Sodium	134	mg/L	D	8		E200.7	08/01/08 15:53 / cp
Sulfate	4340	mg/L	D	60		A4500-SO4 E	07/31/08 11:36 / jal
PHYSICAL PROPERTIES							
pH	6.46	s.u.		0.01		A4500-H B	07/21/08 11:05 / jah
Solids, Total Dissolved TDS @ 180 C	6250	mg/L		10		A2540 C	07/21/08 16:24 / dd
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	08/02/08 07:43 / sml
Beryllium	ND	mg/L		0.01		E200.8	07/30/08 08:42 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/30/08 08:42 / ts
Cobalt	0.06	mg/L		0.01		E200.8	07/30/08 08:42 / ts
Lead	ND	mg/L		0.05		E200.8	07/30/08 08:42 / ts
Manganese	6.73	mg/L		0.01		E200.8	07/30/08 08:42 / ts
Molybdenum	0.2	mg/L		0.1		E200.8	07/30/08 08:42 / ts
Nickel	0.15	mg/L		0.05		E200.8	07/30/08 08:42 / ts
Uranium	0.0140	mg/L		0.0003		E200.8	07/30/08 08:42 / ts
Vanadium	ND	mg/L		0.1		E200.8	07/30/08 08:42 / ts
METALS - SPECIATED							
Arsenic-III	0.050	mg/L		0.003		E1632AM	07/31/08 18:46 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/07/08 09:02 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	5.3	pCi/L				E900.1	08/11/08 10:19 / crw
Gross Alpha minus Rn & U Precision (±)	0.7	pCi/L				E900.1	08/11/08 10:19 / crw
Gross Alpha minus Rn & U MDC	0.3	pCi/L				E900.1	08/11/08 10:19 / crw
Lead 210	5.0	pCi/L	U			E909.0M	07/28/08 08:15 / dm
Lead 210 precision (±)	6.8	pCi/L				E909.0M	07/28/08 08:15 / dm
Lead 210 MDC	11.3	pCi/L				E909.0M	07/28/08 08:15 / dm
Radium 226	4.1	pCi/L				E903.0	08/25/08 18:19 / trs
Radium 226 precision (±)	0.39	pCi/L				E903.0	08/25/08 18:19 / trs
Radium 226 MDC	0.18	pCi/L				E903.0	08/25/08 18:19 / trs
Radium 228	6.4	pCi/L				RA-05	08/19/08 06:40 / plj
Radium 228 precision (±)	0.79	pCi/L				RA-05	08/19/08 06:40 / plj
Radium 228 MDC	0.91	pCi/L				RA-05	08/19/08 06:40 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08070864-004
Client Sample ID: EPA-13

Revised Date: 11/03/08
Report Date: 09/05/08
Collection Date: 07/14/08 16:05
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.4	pCi/L		0.2		E907.0	08/18/08 17:27 / dmf
Thorium 230 precision (±)	0.6	pCi/L				E907.0	08/18/08 17:27 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-1.22	%				Calculation	09/05/08 11:12 / sec
Anions	92.8	meq/L				Calculation	09/05/08 11:12 / sec
Cations	90.5	meq/L				Calculation	09/05/08 11:12 / sec
Solids, Total Dissolved Calculated	5770	mg/L				Calculation	09/05/08 11:12 / sec
TDS Balance (0.80 - 1.20)	1.08					Calculation	09/05/08 11:12 / sec
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/21/08 14:30 / jlr
Bromoform	ND	ug/L		0.50		E624	07/21/08 14:30 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/21/08 14:30 / jlr
Chloroform	ND	ug/L		0.50		E624	07/21/08 14:30 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	07/21/08 14:30 / jlr
Surr: 1,2-Dichlorobenzene-d4	99.0	%REC		80-120		E624	07/21/08 14:30 / jlr
Surr: Dibromofluoromethane	108	%REC		80-120		E624	07/21/08 14:30 / jlr
Surr: p-Bromofluorobenzene	90.0	%REC		80-120		E624	07/21/08 14:30 / jlr
Surr: Toluene-d8	95.0	%REC		80-120		E624	07/21/08 14:30 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08100853-004
Client Sample ID: EPA-13

Report Date: 11/19/08
Collection Date: 10/13/08 16:50
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	60	mg/L		1		A2320 B	10/20/08 15:40 / ljl
Calcium	484	mg/L		1		E200.7	11/05/08 12:21 / cp
Chloride	48	mg/L		1		A4500-Cl B	10/27/08 13:25 / jal
Magnesium	794	mg/L		1		E200.7	11/05/08 12:21 / cp
Nitrogen, Ammonia as N	ND	mg/L	D	0.4		E350.1	10/27/08 12:02 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/22/08 15:07 / eli-b
Potassium	12	mg/L		1		E200.7	11/05/08 12:21 / cp
Sodium	134	mg/L	D	8		E200.7	11/05/08 12:21 / cp
Sulfate	4690	mg/L	D	60		A4500-SO4 E	10/20/08 12:02 / jal
PHYSICAL PROPERTIES							
pH	6.20	s.u.	H	0.01		A4500-H B	10/21/08 10:40 / dd
Solids, Total Dissolved TDS @ 180 C	6540	mg/L		10		A2540 C	10/20/08 15:17 / jah
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	11/04/08 19:48 / ts
Beryllium	ND	mg/L		0.01		E200.8	11/04/08 19:48 / ts
Cadmium	ND	mg/L		0.005		E200.8	11/04/08 19:48 / ts
Cobalt	0.06	mg/L		0.01		E200.8	11/04/08 19:48 / ts
Lead	ND	mg/L		0.05		E200.8	11/04/08 19:48 / ts
Manganese	6.65	mg/L		0.01		E200.8	11/04/08 19:48 / ts
Molybdenum	0.2	mg/L		0.1		E200.8	11/04/08 19:48 / ts
Nickel	0.15	mg/L		0.05		E200.8	11/04/08 19:48 / ts
Uranium	0.0137	mg/L		0.0003		E200.8	11/04/08 19:48 / ts
Vanadium	ND	mg/L		0.1		E200.8	11/04/08 19:48 / ts
METALS - SPECIATED							
Arsenic-III	0.058	mg/L		0.001		E1632AM	10/24/08 15:35 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/30/08 10:28 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	9.0	pCi/L				E900.1	10/30/08 18:30 / cgr
Gross Alpha minus Rn & U Precision (±)	1.1	pCi/L				E900.1	10/30/08 18:30 / cgr
Gross Alpha minus Rn & U MDC	0.5	pCi/L				E900.1	10/30/08 18:30 / cgr
Lead 210	1.5	pCi/L	U			E909.0M	10/29/08 10:30 / dm
Lead 210 precision (±)	2.5	pCi/L				E909.0M	10/29/08 10:30 / dm
Lead 210 MDC	4.2	pCi/L				E909.0M	10/29/08 10:30 / dm
Radium 226	4.0	pCi/L				E903.0	11/11/08 00:34 / trs
Radium 226 precision (±)	0.43	pCi/L				E903.0	11/11/08 00:34 / trs
Radium 226 MDC	0.24	pCi/L				E903.0	11/11/08 00:34 / trs
Radium 228	5.2	pCi/L				RA-05	11/04/08 16:22 / plj
Radium 228 precision (±)	1.0	pCi/L				RA-05	11/04/08 16:22 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 16:22 / plj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08100853-004
Client Sample ID: EPA-13

Report Date: 11/19/08
Collection Date: 10/13/08 16:50
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.3	pCi/L		0.2		E907.0	10/31/08 07:44 / dmf
Thorium 230 precision (±)	0.6	pCi/L				E907.0	10/31/08 07:44 / dmf
DATA QUALITY							
A/C Balance (± 5)	-2.19	%				Calculation	11/07/08 16:49 / sdw
Anions	99.9	meq/L				Calculation	11/07/08 16:49 / sdw
Cations	95.7	meq/L				Calculation	11/07/08 16:49 / sdw
Solids, Total Dissolved Calculated	6190	mg/L				Calculation	11/07/08 16:49 / sdw
TDS Balance (0.80 - 1.20)	1.06					Calculation	11/07/08 16:49 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/26/08 01:10 / jlr
Bromoform	ND	ug/L		0.50		E624	10/26/08 01:10 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	10/26/08 01:10 / jlr
Chloroform	ND	ug/L		0.50		E624	10/26/08 01:10 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/26/08 01:10 / jlr
Surr: 1,2-Dichlorobenzene-d4	103	%REC		80-120		E624	10/26/08 01:10 / jlr
Surr: Dibromofluoromethane	124	%REC	S	80-120		E624	10/26/08 01:10 / jlr
Surr: p-Bromofluorobenzene	90.0	%REC		80-120		E624	10/26/08 01:10 / jlr
Surr: Toluene-d8	85.0	%REC		80-120		E624	10/26/08 01:10 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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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:		10/13/2008	7/14/2008	4/14/2008	1/22/2008
Receive Date:		10/17/2008	7/18/2008	4/18/2008	1/25/2008
Report Date:		11/20/2008	9/5/2008	6/9/2008	4/2/2008
Analyte	Units	C08100853-004	C08070864-004	C08040891-005	C08011074-005
Bicarbonate as HCO3	mg/L	60	77	74	84
Calcium	mg/L	484	458	506	458
Chloride	mg/L	48	40	37	49
Magnesium	mg/L	794	748	843	774
Nitrogen, Ammonia as N	mg/L	ND(0.4)	0.24	0.28	0.38
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Potassium	mg/L	12	12	11.9	13.8
Sodium	mg/L	134	134	138	139
Sulfate	mg/L	4690	4340	4740	4140
pH	s.u.	6.20	6.46	6.30	6.09
Solids, Total Dissolved TDS @ 180 C	mg/L	6540	6250	6090	6220
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.06	0.06	0.06	0.06
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	6.65	6.73	6.68	6.14
Molybdenum	mg/L	0.2	0.2	0.2	0.2
Nickel	mg/L	0.15	0.15	0.14	0.15
Uranium	mg/L	0.0137	0.0140	0.0133	0.0140
Vanadium	mg/L	ND(0.1)	ND(0.1)	0.2	ND(0.1)
Arsenic-III	mg/L	0.058	0.050	0.03	0.240
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	9.0	5.3	5.7	6.8
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.1	0.7	0.7	0.9
Gross Alpha minus Rn & U MDC	pCi/L	0.5	0.3		
Lead 210	pCi/L	1.5	5.0	-18	4.3
Lead 210 precision (±)	pCi/L	2.5	6.8	3.2	1.6
Lead 210 MDC	pCi/L	4.2	11.3		
Radium 226	pCi/L	4.0	4.1	4.2	6.9
Radium 226 precision (±)	pCi/L	0.43	0.39	0.3	0.9
Radium 226 MDC	pCi/L	0.24	0.18	0.1	
Radium 228	pCi/L	5.2	6.4	10.4	9.7
Radium 228 precision (±)	pCi/L	1.0	0.79	1.2	1.3
Radium 228 MDC	pCi/L	1.3	0.91	1.4	
Thorium 230	pCi/L	0.3	0.4	0.2	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.6	0.6	0.4	
A/C Balance (± 5)	%	-2.19	-1.22		2.43
Anions	meq/L	99.9	92.8		89.0
Cations	meq/L	95.7	90.5		93.4
Solids, Total Dissolved Calculated	mg/L	6190	5770		5620
TDS Balance (0.80 - 1.20)		1.06	1.08		1.11
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

**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: C08070864-007
Client Sample ID: 717

Report Date: 09/05/08
Collection Date: 07/15/08 10:50
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	31	mg/L		1		A2320 B	07/21/08 20:04 / ljl
Calcium	521	mg/L		1		E200.7	08/01/08 16:05 / cp
Chloride	56	mg/L		1		A4500-Cl B	07/25/08 13:35 / jal
Magnesium	438	mg/L		1		E200.7	08/01/08 16:05 / cp
Nitrogen, Ammonia as N	70.5	mg/L	D	0.4		E350.1	07/29/08 15:27 / eli-b
Nitrogen, Nitrate+Nitrite as N	37.7	mg/L	D	0.2		E353.2	07/28/08 15:17 / eli-b
Potassium	19	mg/L		1		E200.7	08/01/08 16:05 / cp
Sodium	162	mg/L	D	8		E200.7	08/01/08 16:05 / cp
Sulfate	3450	mg/L	D	30		A4500-SO4 E	07/31/08 11:41 / jal
PHYSICAL PROPERTIES							
pH	5.58	s.u.		0.01		A4500-H B	07/21/08 11:11 / jah
Solids, Total Dissolved TDS @ 180 C	5460	mg/L		10		A2540 C	07/21/08 16:25 / dd
METALS - TOTAL							
Aluminum	13.6	mg/L		0.1		E200.8	08/14/08 16:08 / sml
Beryllium	ND	mg/L		0.01		E200.8	07/30/08 09:02 / ts
Cadmium	0.008	mg/L		0.005		E200.8	07/30/08 09:02 / ts
Cobalt	0.59	mg/L		0.01		E200.8	07/30/08 09:02 / ts
Lead	ND	mg/L		0.05		E200.8	07/30/08 09:02 / ts
Manganese	21.8	mg/L		0.01		E200.8	07/30/08 09:02 / ts
Molybdenum	ND	mg/L		0.1		E200.8	07/30/08 09:02 / ts
Nickel	0.53	mg/L		0.05		E200.8	07/30/08 09:02 / ts
Uranium	0.0012	mg/L		0.0003		E200.8	08/02/08 08:03 / sml
Vanadium	ND	mg/L		0.1		E200.8	07/30/08 09:02 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	08/01/08 10:56 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/07/08 09:27 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	24.3	pCi/L				E900.1	08/11/08 10:18 / crw
Gross Alpha minus Rn & U Precision (±)	1.5	pCi/L				E900.1	08/11/08 10:18 / crw
Gross Alpha minus Rn & U MDC	0.3	pCi/L				E900.1	08/11/08 10:18 / crw
Lead 210	7.0	pCi/L	U			E909.0M	07/28/08 08:15 / dm
Lead 210 precision (±)	6.9	pCi/L				E909.0M	07/28/08 08:15 / dm
Lead 210 MDC	11.3	pCi/L				E909.0M	07/28/08 08:15 / dm
Radium 226	20	pCi/L				E903.0	08/26/08 17:11 / trs
Radium 226 precision (±)	0.74	pCi/L				E903.0	08/26/08 17:11 / trs
Radium 226 MDC	0.09	pCi/L				E903.0	08/26/08 17:11 / trs
Radium 228	26	pCi/L				RA-05	08/19/08 08:46 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08070864-007
Client Sample ID: 717

Report Date: 09/05/08
Collection Date: 07/15/08 10:50
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision (±)	1.5	pCi/L				RA-05	08/19/08 08:46 / plj
Radium 228 MDC	1.1	pCi/L				RA-05	08/19/08 08:46 / plj
Thorium 230	0.1	pCi/L	U	0.2		E907.0	08/18/08 17:27 / dmf
Thorium 230 precision (±)	0.6	pCi/L				E907.0	08/18/08 17:27 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-1.38	%				Calculation	09/05/08 11:14 / sec
Anions	76.7	meq/L				Calculation	09/05/08 11:14 / sec
Cations	74.6	meq/L				Calculation	09/05/08 11:14 / sec
Solids, Total Dissolved Calculated	4950	mg/L				Calculation	09/05/08 11:14 / sec
TDS Balance (0.80 - 1.20)	1.10					Calculation	09/05/08 11:14 / sec
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/21/08 20:13 / jlr
Bromoform	ND	ug/L		0.50		E624	07/21/08 20:13 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/21/08 20:13 / jlr
Chloroform	0.51	ug/L		0.50		E624	07/21/08 20:13 / jlr
Trihalomethanes, Total	0.51	ug/L		0.50		E624	07/21/08 20:13 / jlr
Surr: 1,2-Dichlorobenzene-d4	99.0	%REC		80-120		E624	07/21/08 20:13 / jlr
Surr: Dibromofluoromethane	105	%REC		80-120		E624	07/21/08 20:13 / jlr
Surr: p-Bromofluorobenzene	92.0	%REC		80-120		E624	07/21/08 20:13 / jlr
Surr: Toluene-d8	86.0	%REC		80-120		E624	07/21/08 20:13 / jlr

Report Definitions:
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QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08100853-008
Client Sample ID: 717

Report Date: 11/19/08
Collection Date: 10/14/08 10:10
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	6	mg/L		1		A2320 B	10/20/08 16:01 / ljl
Calcium	505	mg/L		1		E200.7	11/05/08 12:49 / cp
Chloride	65	mg/L		1		A4500-Cl B	10/27/08 13:39 / jal
Magnesium	462	mg/L		1		E200.7	11/05/08 12:49 / cp
Nitrogen, Ammonia as N	71.0	mg/L	D	0.4		E350.1	10/27/08 12:06 / eli-b
Nitrogen, Nitrate+Nitrite as N	37.6	mg/L	D	0.2		E353.2	10/22/08 15:12 / eli-b
Potassium	19	mg/L		1		E200.7	11/05/08 12:49 / cp
Sodium	169	mg/L	D	8		E200.7	11/05/08 12:49 / cp
Sulfate	3670	mg/L	D	60		A4500-SO4 E	10/20/08 12:11 / jal
PHYSICAL PROPERTIES							
pH	5.03	s.u.		0.01		A4500-H B	10/20/08 13:16 / dd
Solids, Total Dissolved TDS @ 180 C	5660	mg/L		10		A2540 C	10/20/08 15:18 / jah
METALS - TOTAL							
Aluminum	16.5	mg/L		0.1		E200.8	11/04/08 20:15 / ts
Beryllium	0.02	mg/L		0.01		E200.8	11/04/08 20:15 / ts
Cadmium	0.010	mg/L		0.005		E200.8	11/04/08 20:15 / ts
Cobalt	0.77	mg/L		0.01		E200.8	11/04/08 20:15 / ts
Lead	ND	mg/L		0.05		E200.8	11/04/08 20:15 / ts
Manganese	22.9	mg/L		0.01		E200.8	11/04/08 20:15 / ts
Molybdenum	ND	mg/L		0.1		E200.8	11/04/08 20:15 / ts
Nickel	0.67	mg/L		0.05		E200.8	11/04/08 20:15 / ts
Uranium	0.0028	mg/L		0.0003		E200.8	11/04/08 20:15 / ts
Vanadium	ND	mg/L		0.1		E200.8	11/04/08 20:15 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/24/08 16:10 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/30/08 10:41 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	34.9	pCi/L				E900.1	10/30/08 18:30 / cgr
Gross Alpha minus Rn & U Precision (±)	2.1	pCi/L				E900.1	10/30/08 18:30 / cgr
Gross Alpha minus Rn & U MDC	0.5	pCi/L				E900.1	10/30/08 18:30 / cgr
Lead 210	3.0	pCi/L	U			E909.0M	10/29/08 10:30 / dm
Lead 210 precision (±)	2.5	pCi/L				E909.0M	10/29/08 10:30 / dm
Lead 210 MDC	4.2	pCi/L				E909.0M	10/29/08 10:30 / dm
Radium 226	21	pCi/L				E903.0	11/11/08 02:26 / trs
Radium 226 precision (±)	0.95	pCi/L				E903.0	11/11/08 02:26 / trs
Radium 226 MDC	0.26	pCi/L				E903.0	11/11/08 02:26 / trs
Radium 228	21	pCi/L				RA-05	11/04/08 16:22 / plj
Radium 228 precision (±)	1.5	pCi/L				RA-05	11/04/08 16:22 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 16:22 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08100853-008
Client Sample ID: 717

Report Date: 11/19/08
Collection Date: 10/14/08 10:10
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.3	pCi/L		0.2		E907.0	10/31/08 07:44 / dmf
Thorium 230 precision (±)	0.6	pCi/L				E907.0	10/31/08 07:44 / dmf
DATA QUALITY							
A/C Balance (± 5)	-3.13	%				Calculation	11/07/08 16:49 / sdw
Anions	81.1	meq/L				Calculation	11/07/08 16:49 / sdw
Cations	76.2	meq/L				Calculation	11/07/08 16:49 / sdw
Solids, Total Dissolved Calculated	5060	mg/L				Calculation	11/07/08 16:49 / sdw
TDS Balance (0.80 - 1.20)	1.12					Calculation	11/07/08 16:49 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/27/08 16:26 / jlr
Bromoform	ND	ug/L		0.50		E624	10/27/08 16:26 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	10/27/08 16:26 / jlr
Chloroform	ND	ug/L		0.50		E624	10/27/08 16:26 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/27/08 16:26 / jlr
Surr: 1,2-Dichlorobenzene-d4	102	%REC		80-120		E624	10/27/08 16:26 / jlr
Surr: Dibromofluoromethane	119	%REC		80-120		E624	10/27/08 16:26 / jlr
Surr: p-Bromofluorobenzene	93.0	%REC		80-120		E624	10/27/08 16:26 / jlr
Surr: Toluene-d8	95.0	%REC		80-120		E624	10/27/08 16:26 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3 Monitor Wells					
Well ID:		717	717	717	717
Collection Date:		10/14/2008	7/15/2008	4/15/2008	1/22/2008
Receive Date:		10/17/2008	7/18/2008	4/18/2008	1/25/2008
Report Date:		11/20/2008	9/5/2008	6/9/2008	4/2/2008
Analyte	Units	C08100853-008	C08070864-007	C08040891-010	C08011074-009
Bicarbonate as HCO3	mg/L	6	31	58	74
Calcium	mg/L	505	521	597	596
Chloride	mg/L	65	56	72	94
Magnesium	mg/L	462	438	473	436
Nitrogen, Ammonia as N	mg/L	71.0	70.5	71.0	68.5
Nitrogen, Nitrate+Nitrite as N	mg/L	37.6	37.7	44.8	37.2
Potassium	mg/L	19	19	21.5	22.9
Sodium	mg/L	169	162	186	161
Sulfate	mg/L	3670	3450	3950	3390
pH	s.u.	5.03	5.58	5.80	5.90
Solids, Total Dissolved TDS @ 180 C	mg/L	5660	5460	5560	5050
Aluminum	mg/L	16.5	13.6	7.6	3.9
Beryllium	mg/L	0.02	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	0.010	0.008	0.006	0.005
Cobalt	mg/L	0.77	0.59	0.65	0.55
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	22.9	21.8	23.7	20.7
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.67	0.53	0.55	0.43
Uranium	mg/L	0.0028	0.0012	0.0011	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(0.003)	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	34.9	24.3	22.1	26.4
Gross Alpha minus Rn & U Precision (±)	pCi/L	2.1	1.5	1.4	1.6
Gross Alpha minus Rn & U MDC	pCi/L	0.5	0.3		
Lead 210	pCi/L	3.0	7.0	-3.3	5.3
Lead 210 precision (±)	pCi/L	2.5	6.9	2.1	1.4
Lead 210 MDC	pCi/L	4.2	11.3		
Radium 226	pCi/L	21	20	18.6	25.3
Radium 226 precision (±)	pCi/L	0.95	0.74	0.8	2.0
Radium 226 MDC	pCi/L	0.26	0.09	0.2	
Radium 228	pCi/L	21	26	22.8	29.7
Radium 228 precision (±)	pCi/L	1.5	1.5	1.3	1.6
Radium 228 MDC	pCi/L	1.3	1.1	1.0	
Thorium 230	pCi/L	0.3	0.1	0.6	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.6	0.6	0.9	
A/C Balance (± 5)	%	-3.13	-1.38		1.95
Anions	meq/L	81.1	76.7		77.0
Cations	meq/L	76.2	74.6		80.1
Solids, Total Dissolved Calculated	mg/L	5060	4950		4920
TDS Balance (0.80 - 1.20)		1.12	1.10		1.03
Trihalomethanes, Total	ug/L	ND(0.50)	0.51	ND(0.50)	ND(0.50)

**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: C08070864-010
Client Sample ID: 719

Report Date: 09/05/08
Collection Date: 07/15/08 15:35
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	ND	mg/L		1		A2320 B	07/21/08 20:34 / ljl
Calcium	559	mg/L		1		E200.7	09/03/08 14:22 / cp
Chloride	29	mg/L		1		A4500-Cl B	07/25/08 13:43 / jal
Magnesium	468	mg/L		1		E200.7	09/03/08 14:22 / cp
Nitrogen, Ammonia as N	0.34	mg/L		0.05		E350.1	07/23/08 12:50 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/28/08 15:29 / eli-b
Potassium	12	mg/L		1		E200.7	09/03/08 14:22 / cp
Sodium	146	mg/L	D	8		E200.7	09/03/08 14:22 / cp
Sulfate	3060	mg/L	D	50		A4500-SO4 E	07/21/08 16:12 / jal
PHYSICAL PROPERTIES							
pH	3.86	s.u.		0.01		A4500-H B	07/21/08 11:18 / jah
Solids, Total Dissolved TDS @ 180 C	4650	mg/L		10		A2540 C	07/21/08 16:26 / dd
METALS - TOTAL							
Aluminum	2.2	mg/L		0.1		E200.8	08/02/08 08:23 / sml
Beryllium	ND	mg/L		0.01		E200.8	07/30/08 09:22 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/30/08 09:22 / ts
Cobalt	0.55	mg/L		0.01		E200.8	07/30/08 09:22 / ts
Lead	ND	mg/L		0.05		E200.8	07/30/08 09:22 / ts
Manganese	5.67	mg/L		0.01		E200.8	07/30/08 09:22 / ts
Molybdenum	ND	mg/L		0.1		E200.8	07/30/08 09:22 / ts
Nickel	0.60	mg/L		0.05		E200.8	07/30/08 09:22 / ts
Uranium	0.0176	mg/L		0.0003		E200.8	08/02/08 08:23 / sml
Vanadium	ND	mg/L		0.1		E200.8	07/30/08 09:22 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	08/01/08 11:31 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/07/08 09:34 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	5.4	pCi/L				E900.1	08/11/08 10:19 / crw
Gross Alpha minus Rn & U Precision (±)	0.7	pCi/L				E900.1	08/11/08 10:19 / crw
Gross Alpha minus Rn & U MDC	0.3	pCi/L				E900.1	08/11/08 10:19 / crw
Lead 210	2.4	pCi/L	U			E909.0M	07/28/08 08:15 / dm
Lead 210 precision (±)	6.8	pCi/L				E909.0M	07/28/08 08:15 / dm
Lead 210 MDC	11.3	pCi/L				E909.0M	07/28/08 08:15 / dm
Radium 226	4.1	pCi/L				E903.0	08/26/08 17:11 / trs
Radium 226 precision (±)	0.34	pCi/L				E903.0	08/26/08 17:11 / trs
Radium 226 MDC	0.09	pCi/L				E903.0	08/26/08 17:11 / trs
Radium 228	12	pCi/L				RA-05	08/19/08 08:46 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08070864-010
Client Sample ID: 719

Report Date: 09/05/08
Collection Date: 07/15/08 15:35
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision (±)	1.1	pCi/L				RA-05	08/19/08 08:46 / plj
Radium 228 MDC	1.1	pCi/L				RA-05	08/19/08 08:46 / plj
Thorium 230	0.2	pCi/L	U	0.2		E907.0	08/18/08 17:27 / dmf
Thorium 230 precision (±)	0.2	pCi/L				E907.0	08/18/08 17:27 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	6.27	%				Calculation	09/05/08 11:16 / sec
Anions	64.4	meq/L				Calculation	09/05/08 11:16 / sec
Cations	73.1	meq/L				Calculation	09/05/08 11:16 / sec
Solids, Total Dissolved Calculated	4270	mg/L				Calculation	09/05/08 11:16 / sec
TDS Balance (0.80 - 1.20)	1.09					Calculation	09/05/08 11:16 / sec
- The ion balance is not appropriate for samples exhibiting low pH.							
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/21/08 22:07 / jlr
Bromoform	ND	ug/L		0.50		E624	07/21/08 22:07 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/21/08 22:07 / jlr
Chloroform	ND	ug/L		0.50		E624	07/21/08 22:07 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	07/21/08 22:07 / jlr
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC		80-120		E624	07/21/08 22:07 / jlr
Surr: Dibromofluoromethane	104	%REC		80-120		E624	07/21/08 22:07 / jlr
Surr: p-Bromofluorobenzene	89.0	%REC		80-120		E624	07/21/08 22:07 / jlr
Surr: Toluene-d8	91.0	%REC		80-120		E624	07/21/08 22:07 / jlr

Report Definitions:
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QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08100853-005
Client Sample ID: 719

Report Date: 11/19/08
Collection Date: 10/13/08 17:35
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	ND	mg/L		1		A2320 B	10/23/08 10:56 / ljl
Calcium	513	mg/L		1		E200.7	11/11/08 13:14 / cp
Chloride	26	mg/L		1		A4500-Cl B	10/27/08 13:28 / jal
Magnesium	428	mg/L		1		E200.7	11/11/08 13:14 / cp
Nitrogen, Ammonia as N	1.1	mg/L	D	0.4		E350.1	10/27/08 12:03 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/22/08 15:08 / eli-b
Potassium	12	mg/L		1		E200.7	11/11/08 13:14 / cp
Sodium	134	mg/L	D	4		E200.7	11/11/08 13:14 / cp
Sulfate	3430	mg/L	D	60		A4500-SO4 E	10/20/08 12:04 / jal
PHYSICAL PROPERTIES							
pH	3.80	s.u.		0.01		A4500-H B	10/20/08 13:11 / dd
Solids, Total Dissolved TDS @ 180 C	4880	mg/L		10		A2540 C	10/20/08 15:17 / jah
METALS - TOTAL							
Aluminum	1.4	mg/L		0.1		E200.8	11/04/08 19:54 / ts
Beryllium	ND	mg/L		0.01		E200.8	11/04/08 19:54 / ts
Cadmium	ND	mg/L		0.005		E200.8	11/04/08 19:54 / ts
Cobalt	0.68	mg/L		0.01		E200.8	11/04/08 19:54 / ts
Lead	ND	mg/L		0.05		E200.8	11/04/08 19:54 / ts
Manganese	6.19	mg/L		0.01		E200.8	11/04/08 19:54 / ts
Molybdenum	ND	mg/L		0.1		E200.8	11/04/08 19:54 / ts
Nickel	0.69	mg/L		0.05		E200.8	11/04/08 19:54 / ts
Uranium	0.0153	mg/L		0.0003		E200.8	11/04/08 19:54 / ts
Vanadium	ND	mg/L		0.1		E200.8	11/04/08 19:54 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/24/08 15:43 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/30/08 10:30 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	7.7	pCi/L				E900.1	10/30/08 18:30 / cgr
Gross Alpha minus Rn & U Precision (±)	1.0	pCi/L				E900.1	10/30/08 18:30 / cgr
Gross Alpha minus Rn & U MDC	0.5	pCi/L				E900.1	10/30/08 18:30 / cgr
Lead 210	1.4	pCi/L	U			E909.0M	10/29/08 10:30 / dm
Lead 210 precision (±)	2.5	pCi/L				E909.0M	10/29/08 10:30 / dm
Lead 210 MDC	4.2	pCi/L				E909.0M	10/29/08 10:30 / dm
Radium 226	3.7	pCi/L				E903.0	11/11/08 00:34 / trs
Radium 226 precision (±)	0.42	pCi/L				E903.0	11/11/08 00:34 / trs
Radium 226 MDC	0.25	pCi/L				E903.0	11/11/08 00:34 / trs
Radium 228	8.4	pCi/L				RA-05	11/04/08 16:22 / plj
Radium 228 precision (±)	1.1	pCi/L				RA-05	11/04/08 16:22 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 16:22 / plj

Report Definitions:
RL - Analyte reporting limit.
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MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08100853-005
Client Sample ID: 719

Report Date: 11/19/08
Collection Date: 10/13/08 17:35
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.2	pCi/L		0.2		E907.0	10/31/08 07:44 / dmf
Thorium 230 precision (±)	0.5	pCi/L				E907.0	10/31/08 07:44 / dmf
DATA QUALITY							
A/C Balance (± 5)	-2.79	%				Calculation	11/17/08 10:34 / sdw
Anions	72.1	meq/L				Calculation	11/17/08 10:34 / sdw
Cations	68.2	meq/L				Calculation	11/17/08 10:34 / sdw
Solids, Total Dissolved Calculated	4550	mg/L				Calculation	11/17/08 10:34 / sdw
TDS Balance (0.80 - 1.20)	1.07					Calculation	11/17/08 10:34 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/26/08 01:48 / jlr
Bromoform	ND	ug/L		0.50		E624	10/26/08 01:48 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	10/26/08 01:48 / jlr
Chloroform	ND	ug/L		0.50		E624	10/26/08 01:48 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/26/08 01:48 / jlr
Surr: 1,2-Dichlorobenzene-d4	113	%REC		80-120		E624	10/26/08 01:48 / jlr
Surr: Dibromofluoromethane	128	%REC	S	80-120		E624	10/26/08 01:48 / jlr
Surr: p-Bromofluorobenzene	98.0	%REC		80-120		E624	10/26/08 01:48 / jlr
Surr: Toluene-d8	98.0	%REC		80-120		E624	10/26/08 01:48 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3 Monitor Wells					
Well ID:		719	719	719	719
Collection Date:		10/13/2008	7/15/2008	4/15/2008	1/22/2008
Receive Date:		10/17/2008	7/18/2008	4/18/2008	1/25/2008
Report Date:		11/20/2008	9/5/2008	6/9/2008	4/2/2008
Analyte	Units	C08100853-005	C08070864-010	C08040891-011	C08011074-006
Bicarbonate as HCO3	mg/L	ND(1)	ND(1)	ND(1)	ND(1)
Calcium	mg/L	513	559	510	476
Chloride	mg/L	26	29	27	34
Magnesium	mg/L	428	468	426	407
Nitrogen, Ammonia as N	mg/L	1.1	0.34	0.50	0.89
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Potassium	mg/L	12	12	12.0	13.0
Sodium	mg/L	134	146	138	135
Sulfate	mg/L	3430	3060	3490	2890
pH	s.u.	3.80	3.86	3.59	3.83
Solids, Total Dissolved TDS @ 180 C	mg/L	4880	4650	4420	4390
Aluminum	mg/L	1.4	2.2	1.7	1.6
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.68	0.55	0.56	0.53
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	6.19	5.67	5.74	5.32
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.69	0.60	0.60	0.56
Uranium	mg/L	0.0153	0.0176	0.0184	0.0221
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.003)	ND(0.001)	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	7.7	5.4	5.1	5.3
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.0	0.7	0.7	0.8
Gross Alpha minus Rn & U MDC	pCi/L	0.5	0.3		
Lead 210	pCi/L	1.4	2.4	-0.7	8.1
Lead 210 precision (±)	pCi/L	2.5	6.8	1.8	1.9
Lead 210 MDC	pCi/L	4.2	11.3		
Radium 226	pCi/L	3.7	4.1	2.5	4.8
Radium 226 precision (±)	pCi/L	0.42	0.34	0.3	0.8
Radium 226 MDC	pCi/L	0.25	0.09	0.2	
Radium 228	pCi/L	8.4	12	11.7	12.6
Radium 228 precision (±)	pCi/L	1.1	1.1	1.0	1.3
Radium 228 MDC	pCi/L	1.3	1.1	1.0	
Thorium 230	pCi/L	0.2	0.2	0.4	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.5	0.2	0.4	
A/C Balance (± 5)	%	-2.79	6.27		2.41
Anions	meq/L	72.1	64.4		61.1
Cations	meq/L	68.2	73.1		64.1
Solids, Total Dissolved Calculated	mg/L	4550	4270		3960
TDS Balance (0.80 - 1.20)		1.07	1.09		1.11
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

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

SEMI-ANNUAL GROUND WATER MONITORING REPORT

SUPPLEMENTAL QUARTERLY SAMPLING

DURING OCTOBER OF 2008

ZONE-3

PB-2

PB-3

NBL-2

RW-A

RW-11

PB-4

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Not Indicated
Lab ID: C08100852-004
Client Sample ID: PB-2

Report Date: 11/19/08
Collection Date: 10/14/08 15:30
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	95	mg/L		1		A2320 B	10/20/08 14:58 / ljl
Calcium	549	mg/L		1		E200.7	11/04/08 15:53 / cp
Chloride	26	mg/L		1		A4500-Cl B	10/27/08 12:47 / jal
Magnesium	358	mg/L		1		E200.7	11/04/08 15:53 / cp
Nitrogen, Ammonia as N	2.4	mg/L		0.1		E350.1	10/23/08 13:57 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/22/08 11:58 / eli-b
Potassium	10	mg/L		1		E200.7	11/04/08 15:53 / cp
Sodium	133	mg/L	D	8		E200.7	11/04/08 15:53 / cp
Sulfate	3140	mg/L	D	60		A4500-SO4 E	10/20/08 11:20 / jal
PHYSICAL PROPERTIES							
pH	6.18	s.u.		0.01		A4500-H B	10/20/08 10:44 / dd
Solids, Total Dissolved TDS @ 180 C	4290	mg/L		10		A2540 C	10/21/08 09:13 / jah
METALS - TOTAL							
Aluminum	0.4	mg/L		0.1		E200.8	11/04/08 18:20 / ts
Beryllium	ND	mg/L		0.01		E200.8	11/04/08 18:20 / ts
Cadmium	ND	mg/L		0.005		E200.8	11/04/08 18:20 / ts
Cobalt	0.30	mg/L		0.01		E200.8	11/04/08 18:20 / ts
Lead	ND	mg/L		0.05		E200.8	11/04/08 18:20 / ts
Manganese	5.17	mg/L		0.01		E200.8	11/04/08 18:20 / ts
Molybdenum	0.2	mg/L		0.1		E200.8	11/04/08 18:20 / ts
Nickel	0.36	mg/L		0.05		E200.8	11/04/08 18:20 / ts
Uranium	0.0480	mg/L		0.0003		E200.8	11/04/08 18:20 / ts
Vanadium	ND	mg/L		0.1		E200.8	11/04/08 18:20 / ts
METALS - SPECIATED							
Arsenic-III	0.003	mg/L		0.001		E1632AM	10/24/08 13:51 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/29/08 16:46 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	16.5	pCi/L				E900.1	10/30/08 16:48 / cgr
Gross Alpha minus Rn & U Precision (±)	1.4	pCi/L				E900.1	10/30/08 16:48 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 16:48 / cgr
Lead 210	0.3	pCi/L	U			E909.0M	10/28/08 10:11 / dm
Lead 210 precision (±)	3.1	pCi/L				E909.0M	10/28/08 10:11 / dm
Lead 210 MDC	5.1	pCi/L				E909.0M	10/28/08 10:11 / dm
Radium 226	12	pCi/L				E903.0	11/10/08 15:06 / trs
Radium 226 precision (±)	0.70	pCi/L				E903.0	11/10/08 15:06 / trs
Radium 226 MDC	0.22	pCi/L				E903.0	11/10/08 15:06 / trs
Radium 228	11	pCi/L				RA-05	11/04/08 12:09 / plj
Radium 228 precision (±)	1.1	pCi/L				RA-05	11/04/08 12:09 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	11/04/08 12:09 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Not Indicated
Lab ID: C08100852-004
Client Sample ID: PB-2

Report Date: 11/19/08
Collection Date: 10/14/08 15:30
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.3	pCi/L		0.2		E907.0	10/31/08 07:44 / dmf
Thorium 230 precision (±)	0.9	pCi/L				E907.0	10/31/08 07:44 / dmf
DATA QUALITY							
A/C Balance (± 5)	-3.53	%				Calculation	11/07/08 16:47 / sdw
Anions	67.7	meq/L				Calculation	11/07/08 16:47 / sdw
Cations	63.1	meq/L				Calculation	11/07/08 16:47 / sdw
Solids, Total Dissolved Calculated	4260	mg/L				Calculation	11/07/08 16:47 / sdw
TDS Balance (0.80 - 1.20)	1.01					Calculation	11/07/08 16:47 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/25/08 20:45 / jlr
Bromoform	ND	ug/L		0.50		E624	10/25/08 20:45 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	10/25/08 20:45 / jlr
Chloroform	ND	ug/L		0.50		E624	10/25/08 20:45 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/25/08 20:45 / jlr
Surr: 1,2-Dichlorobenzene-d4	107	%REC		80-120		E624	10/25/08 20:45 / jlr
Surr: Dibromofluoromethane	181	%REC	S	80-120		E624	10/25/08 20:45 / jlr
Surr: p-Bromofluorobenzene	98.0	%REC		80-120		E624	10/25/08 20:45 / jlr
Surr: Toluene-d8	86.0	%REC		80-120		E624	10/25/08 20:45 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: PB Monitor Wells					
Well ID:		PB-2	PB-2	PB-2	PB-2
Collection Date:		10/14/2008	7/15/2008	4/15/2008	1/22/2008
Receive Date:		10/17/2008	7/18/2008	4/18/2008	1/25/2008
Report Date:		11/20/2008	8/1/2008	6/9/2008	4/2/2008
Analyte	Units	C08100852-004	C08070877-003	C08040891-012	C08011074-013
Bicarbonate as HCO3	mg/L	95	ND(1)	121	140
Calcium	mg/L	549			518
Chloride	mg/L	26	26	29	40
Magnesium	mg/L	358			318
Nitrogen, Ammonia as N	mg/L	2.4			4.8
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)			ND(0.1)
Potassium	mg/L	10			11.3
Sodium	mg/L	133			122
Sulfate	mg/L	3140			2570
pH	s.u.	6.18	4.41	6.22	6.57
Solids, Total Dissolved TDS @ 180 C	mg/L	4290	4450	4090	4130
Aluminum	mg/L	0.4			0.9
Beryllium	mg/L	ND(0.01)			ND(0.01)
Cadmium	mg/L	ND(0.005)			ND(0.005)
Cobalt	mg/L	0.30			0.26
Lead	mg/L	ND(0.05)			ND(0.05)
Manganese	mg/L	5.17			5.59
Molybdenum	mg/L	0.2			0.5
Nickel	mg/L	0.36			0.32
Uranium	mg/L	0.0480			0.102
Vanadium	mg/L	ND(0.1)			ND(0.1)
Arsenic-III	mg/L	0.003			0.050
Selenium-IV	mg/L	ND(0.001)			ND(0.001)
Gross Alpha minus Rn & U	pCi/L	16.5			17.5
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.4			1.3
Gross Alpha minus Rn & U MDC	pCi/L	0.4			
Lead 210	pCi/L	0.3			ND(1.0)
Lead 210 precision (±)	pCi/L	3.1			
Lead 210 MDC	pCi/L	5.1			
Radium 226	pCi/L	12			15.6
Radium 226 precision (±)	pCi/L	0.70			1.5
Radium 226 MDC	pCi/L	0.22			
Radium 228	pCi/L	11			12.1
Radium 228 precision (±)	pCi/L	1.1			1.5
Radium 228 MDC	pCi/L	1.2			
Thorium 230	pCi/L	0.3			ND(0.2)
Thorium 230 precision (±)	pCi/L	0.9			
A/C Balance (± 5)	%	-3.53			1.23
Anions	meq/L	67.7			57.0
Cations	meq/L	63.1			58.5
Solids, Total Dissolved Calculated	mg/L	4260			3660
TDS Balance (0.80 - 1.20)		1.01			1.13
Trihalomethanes, Total	ug/L	ND(0.50)			ND(0.50)

**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: C08101336-001
Client Sample ID: PB-3

Report Date: 12/02/08
Collection Date: 10/30/08 11:05
DateReceived: 10/31/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	203	mg/L		1		A2320 B	11/05/08 00:49 / ljl
Calcium	654	mg/L		1		E200.7	11/17/08 17:23 / cp
Chloride	53	mg/L		1		A4500-Cl B	11/06/08 13:22 / jal
Magnesium	238	mg/L		1		E200.7	11/17/08 17:23 / cp
Nitrogen, Ammonia as N	8.1	mg/L	D	0.4		E350.1	11/05/08 12:35 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	11/05/08 11:55 / eli-b
Potassium	13	mg/L		1		E200.7	11/17/08 17:23 / cp
Sodium	145	mg/L	D	4		E200.7	11/17/08 17:23 / cp
Sulfate	2820	mg/L	D	60		A4500-SO4 E	11/06/08 16:26 / jal
PHYSICAL PROPERTIES							
pH	6.20	s.u.		0.01		A4500-H B	11/03/08 13:17 / dd
Solids, Total Dissolved TDS @ 180 C	4200	mg/L		10		A2540 C	11/03/08 09:05 / jah
METALS - TOTAL							
Aluminum	2.3	mg/L		0.1		E200.8	11/14/08 16:17 / sml
Beryllium	ND	mg/L		0.01		E200.8	11/14/08 16:17 / sml
Cadmium	ND	mg/L		0.005		E200.8	11/14/08 16:17 / sml
Cobalt	0.54	mg/L		0.01		E200.8	11/14/08 16:17 / sml
Lead	ND	mg/L		0.05		E200.8	11/14/08 16:17 / sml
Manganese	7.42	mg/L		0.01		E200.8	11/14/08 16:17 / sml
Molybdenum	0.4	mg/L		0.1		E200.8	11/14/08 16:17 / sml
Nickel	0.42	mg/L		0.05		E200.8	11/14/08 16:17 / sml
Uranium	0.193	mg/L		0.0003		E200.8	11/14/08 16:17 / sml
Vanadium	ND	mg/L		0.1		E200.8	11/14/08 16:17 / sml
METALS - SPECIATED							
Arsenic-III	0.020	mg/L		0.001		E1632AM	11/12/08 15:05 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	11/20/08 11:30 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	20.5	pCi/L				E900.1	11/08/08 09:27 / cgr
Gross Alpha minus Rn & U Precision (±)	2.0	pCi/L				E900.1	11/08/08 09:27 / cgr
Gross Alpha minus Rn & U MDC	0.9	pCi/L				E900.1	11/08/08 09:27 / cgr
Lead 210	-3	pCi/L	U			E909.0M	11/17/08 06:43 / dm
Lead 210 precision (±)	6.3	pCi/L				E909.0M	11/17/08 06:43 / dm
Lead 210 MDC	10.7	pCi/L				E909.0M	11/17/08 06:43 / dm
Radium 226	16	pCi/L				E903.0	11/19/08 10:21 / trs
Radium 226 precision (±)	0.94	pCi/L				E903.0	11/19/08 10:21 / trs
Radium 226 MDC	0.25	pCi/L				E903.0	11/19/08 10:21 / trs
Radium 228	12	pCi/L				RA-05	11/12/08 16:19 / plj
Radium 228 precision (±)	1.2	pCi/L				RA-05	11/12/08 16:19 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/12/08 16:19 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08101336-001
Client Sample ID: PB-3

Report Date: 12/02/08
Collection Date: 10/30/08 11:05
DateReceived: 10/31/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.4	pCi/L		0.2		E907.0	11/16/08 13:28 / dmf
Thorium 230 precision (±)	0.3	pCi/L				E907.0	11/16/08 13:28 / dmf
DATA QUALITY							
A/C Balance (± 5)	-3.39	%				Calculation	11/21/08 15:24 / jlc
Anions	63.6	meq/L				Calculation	11/21/08 15:24 / jlc
Cations	59.4	meq/L				Calculation	11/21/08 15:24 / jlc
Solids, Total Dissolved Calculated	4180	mg/L				Calculation	11/21/08 15:24 / jlc
TDS Balance (0.80 - 1.20)	1.00					Calculation	11/21/08 15:24 / jlc
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	11/07/08 23:03 / jlr
Bromoform	ND	ug/L		0.50		E624	11/07/08 23:03 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	11/07/08 23:03 / jlr
Chloroform	ND	ug/L		0.50		E624	11/07/08 23:03 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	11/07/08 23:03 / jlr
Surr: 1,2-Dichlorobenzene-d4	93.0	%REC		80-120		E624	11/07/08 23:03 / jlr
Surr: Dibromofluoromethane	117	%REC		80-120		E624	11/07/08 23:03 / jlr
Surr: p-Bromofluorobenzene	91.0	%REC		80-120		E624	11/07/08 23:03 / jlr
Surr: Toluene-d8	96.0	%REC		80-120		E624	11/07/08 23:03 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3					
Well ID:		PB-3	PB-3	PB-3	PB-3
Collection Date:		10/30/2008	10/14/2008	7/15/2008	4/15/2008
Receive Date:		10/31/2008	10/15/2008	7/18/2008	4/18/2008
Report Date:		12/3/2008	11/1/2008	8/1/2008	6/9/2008
Analyte	Units	C08101336-001	C08100845-001	C08070877-001	C08040891-013
Bicarbonate as HCO3	mg/L	203	296	286	341
Calcium	mg/L	654			
Chloride	mg/L	53	55	46	56
Magnesium	mg/L	238			
Nitrogen, Ammonia as N	mg/L	8.1			
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)			
Potassium	mg/L	13			
Sodium	mg/L	145			
Sulfate	mg/L	2820			
pH	s.u.	6.20	6.95	7.41	7.30
Solids, Total Dissolved TDS @ 180 C	mg/L	4200	4000	3960	3860
Aluminum	mg/L	2.3			
Beryllium	mg/L	ND(0.01)			
Cadmium	mg/L	ND(0.005)			
Cobalt	mg/L	0.54			
Lead	mg/L	ND(0.05)			
Manganese	mg/L	7.42			
Molybdenum	mg/L	0.4			
Nickel	mg/L	0.42			
Uranium	mg/L	0.193			
Vanadium	mg/L	ND(0.1)			
Arsenic-III	mg/L	0.020			
Selenium-IV	mg/L	ND(0.001)			
Gross Alpha minus Rn & U	pCi/L	20.5			
Gross Alpha minus Rn & U Precision (±)	pCi/L	2.0			
Gross Alpha minus Rn & U MDC	pCi/L	0.9			
Lead 210	pCi/L	-3			
Lead 210 precision (±)	pCi/L	6.3			
Lead 210 MDC	pCi/L	10.7			
Radium 226	pCi/L	16			
Radium 226 precision (±)	pCi/L	0.94			
Radium 226 MDC	pCi/L	0.25			
Radium 228	pCi/L	12			
Radium 228 precision (±)	pCi/L	1.2			
Radium 228 MDC	pCi/L	1.3			
Thorium 230	pCi/L	0.4			
Thorium 230 precision (±)	pCi/L	0.3			
A/C Balance (± 5)	%	-3.39			
Anions	meq/L	63.6			
Cations	meq/L	59.4			
Solids, Total Dissolved Calculated	mg/L	4180			
TDS Balance (0.80 - 1.20)		1.00			
Trihalomethanes, Total	ug/L	ND(0.50)			

**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: Not Indicated
Lab ID: C08100852-002
Client Sample ID: NBL-2

Report Date: 11/19/08
Collection Date: 10/14/08 11:35
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	320	mg/L		1		A2320 B	10/20/08 14:46 / ljl
Calcium	647	mg/L		1		E200.7	11/04/08 15:45 / cp
Chloride	39	mg/L		1		A4500-Cl B	10/27/08 12:41 / jal
Magnesium	180	mg/L		1		E200.7	11/04/08 15:45 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.1		E350.1	10/23/08 13:55 / eli-b
Nitrogen, Nitrate+Nitrite as N	19.9	mg/L		0.1		E353.2	10/22/08 11:56 / eli-b
Potassium	7	mg/L		1		E200.7	11/04/08 15:45 / cp
Sodium	154	mg/L	D	8		E200.7	11/04/08 15:45 / cp
Sulfate	2320	mg/L	D	60		A4500-SO4 E	10/20/08 11:17 / jal
PHYSICAL PROPERTIES							
pH	6.74	s.u.		0.01		A4500-H B	10/20/08 10:40 / dd
Solids, Total Dissolved TDS @ 180 C	3500	mg/L		10		A2540 C	10/21/08 09:12 / jah
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	11/03/08 23:19 / ts
Beryllium	ND	mg/L		0.01		E200.8	11/03/08 23:19 / ts
Cadmium	ND	mg/L		0.005		E200.8	11/03/08 23:19 / ts
Cobalt	0.04	mg/L		0.01		E200.8	11/03/08 23:19 / ts
Lead	ND	mg/L		0.05		E200.8	11/03/08 23:19 / ts
Manganese	1.29	mg/L		0.01		E200.8	11/03/08 23:19 / ts
Molybdenum	0.3	mg/L		0.1		E200.8	11/03/08 23:19 / ts
Nickel	0.06	mg/L		0.05		E200.8	11/03/08 23:19 / ts
Uranium	0.296	mg/L		0.0003		E200.8	11/10/08 22:19 / ts
Vanadium	ND	mg/L		0.1		E200.8	11/03/08 23:19 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/24/08 13:35 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/29/08 16:41 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	9.6	pCi/L				E900.1	10/30/08 16:48 / cgr
Gross Alpha minus Rn & U Precision (±)	1.1	pCi/L				E900.1	10/30/08 16:48 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 16:48 / cgr
Lead 210	-2	pCi/L	U			E909.0M	10/28/08 10:11 / dm
Lead 210 precision (±)	6.1	pCi/L				E909.0M	10/28/08 10:11 / dm
Lead 210 MDC	10.2	pCi/L				E909.0M	10/28/08 10:11 / dm
Radium 226	7.4	pCi/L				E903.0	11/10/08 15:06 / trs
Radium 226 precision (±)	0.57	pCi/L				E903.0	11/10/08 15:06 / trs
Radium 226 MDC	0.23	pCi/L				E903.0	11/10/08 15:06 / trs
Radium 228	9.1	pCi/L				RA-05	11/04/08 12:09 / plj
Radium 228 precision (±)	1.1	pCi/L				RA-05	11/04/08 12:09 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	11/04/08 12:09 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Not Indicated
Lab ID: C08100852-002
Client Sample ID: NBL-2

Report Date: 11/19/08
Collection Date: 10/14/08 11:35
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	-0.4	pCi/L	U	0.2		E907.0	10/31/08 07:44 / dmf
Thorium 230 precision (±)	0.7	pCi/L				E907.0	10/31/08 07:44 / dmf
DATA QUALITY							
A/C Balance (± 5)	-1.91	%				Calculation	11/07/08 16:47 / sdw
Anions	56.1	meq/L				Calculation	11/07/08 16:47 / sdw
Cations	54.0	meq/L				Calculation	11/07/08 16:47 / sdw
Solids, Total Dissolved Calculated	3600	mg/L				Calculation	11/07/08 16:47 / sdw
TDS Balance (0.80 - 1.20)	0.970					Calculation	11/07/08 16:47 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/25/08 19:29 / jlr
Bromoform	ND	ug/L		0.50		E624	10/25/08 19:29 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	10/25/08 19:29 / jlr
Chloroform	ND	ug/L		0.50		E624	10/25/08 19:29 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/25/08 19:29 / jlr
Surr: 1,2-Dichlorobenzene-d4	104	%REC		80-120		E624	10/25/08 19:29 / jlr
Surr: Dibromofluoromethane	118	%REC		80-120		E624	10/25/08 19:29 / jlr
Surr: p-Bromofluorobenzene	95.0	%REC		80-120		E624	10/25/08 19:29 / jlr
Surr: Toluene-d8	81.0	%REC		80-120		E624	10/25/08 19:29 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary:					
Well ID:		NBL-2	NBL-2	NBL-2	NBL-2
Collection Date:		10/14/2008	7/15/2008	4/15/2008	1/22/2008
Receive Date:		10/17/2008	7/18/2008	4/18/2008	1/25/2008
Report Date:		11/20/2008	8/1/2008	6/9/2008	4/2/2008
Analyte	Units	C08100852-002	C08070877-005	C08040891-014	C08011074-010
Bicarbonate as HCO3	mg/L	320	323	306	321
Calcium	mg/L	647			649
Chloride	mg/L	39	35	35	42
Magnesium	mg/L	180			156
Nitrogen, Ammonia as N	mg/L	ND(0.1)			0.07
Nitrogen, Nitrate+Nitrite as N	mg/L	19.9			14.5
Potassium	mg/L	7			8.1
Sodium	mg/L	154			133
Sulfate	mg/L	2320			2100
pH	s.u.	6.74	6.62	6.72	6.84
Solids, Total Dissolved TDS @ 180 C	mg/L	3500	3470	3380	3410
Aluminum	mg/L	ND(0.1)			ND(0.1)
Beryllium	mg/L	ND(0.01)			ND(0.01)
Cadmium	mg/L	ND(0.005)			ND(0.005)
Cobalt	mg/L	0.04			0.02
Lead	mg/L	ND(0.05)			ND(0.05)
Manganese	mg/L	1.29			1.02
Molybdenum	mg/L	0.3			0.4
Nickel	mg/L	0.06			ND(0.05)
Uranium	mg/L	0.296			0.361
Vanadium	mg/L	ND(0.1)			ND(0.1)
Arsenic-III	mg/L	ND(0.001)			ND(0.001)
Selenium-IV	mg/L	ND(0.001)			ND(0.001)
Gross Alpha minus Rn & U	pCi/L	9.6			11.7
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.1			2.1
Gross Alpha minus Rn & U MDC	pCi/L	0.4			
Lead 210	pCi/L	-2			ND(1.0)
Lead 210 precision (±)	pCi/L	6.1			
Lead 210 MDC	pCi/L	10.2			
Radium 226	pCi/L	7.4			7.6
Radium 226 precision (±)	pCi/L	0.57			1.3
Radium 226 MDC	pCi/L	0.23			
Radium 228	pCi/L	9.1			26.1
Radium 228 precision (±)	pCi/L	1.1			2.3
Radium 228 MDC	pCi/L	1.2			
Thorium 230	pCi/L	-0.4			ND(0.2)
Thorium 230 precision (±)	pCi/L	0.7			
A/C Balance (± 5)	%	-1.91			0.003
Anions	meq/L	56.1			51.3
Cations	meq/L	54.0			51.3
Solids, Total Dissolved Calculated	mg/L	3600			3310
TDS Balance (0.80 - 1.20)		0.970			1.03
Trihalomethanes, Total	ug/L	ND(0.50)			ND(0.50)

**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: Not Indicated
Lab ID: C08100852-005
Client Sample ID: RW-A

Report Date: 11/19/08
Collection Date: 10/14/08 15:45
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	327	mg/L		1		A2320 B	10/20/08 15:05 / ljl
Calcium	608	mg/L		1		E200.7	11/04/08 15:57 / cp
Chloride	41	mg/L		1		A4500-Cl B	10/27/08 12:58 / jal
Magnesium	223	mg/L		1		E200.7	11/04/08 15:57 / cp
Nitrogen, Ammonia as N	3.0	mg/L		0.1		E350.1	10/23/08 13:58 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/22/08 11:59 / eli-b
Potassium	9	mg/L		1		E200.7	11/04/08 15:57 / cp
Sodium	136	mg/L	D	8		E200.7	11/04/08 15:57 / cp
Sulfate	2560	mg/L	D	60		A4500-SO4 E	10/20/08 11:21 / jal
PHYSICAL PROPERTIES							
pH	6.61	s.u.		0.01		A4500-H B	10/20/08 10:45 / dd
Solids, Total Dissolved TDS @ 180 C	3740	mg/L		10		A2540 C	10/21/08 09:13 / jah
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	11/04/08 18:26 / ts
Beryllium	ND	mg/L		0.01		E200.8	10/31/08 03:52 / ts
Cadmium	ND	mg/L		0.005		E200.8	10/31/08 03:52 / ts
Cobalt	0.12	mg/L		0.01		E200.8	10/31/08 03:52 / ts
Lead	ND	mg/L		0.05		E200.8	10/31/08 03:52 / ts
Manganese	4.24	mg/L		0.01		E200.8	10/31/08 03:52 / ts
Molybdenum	0.2	mg/L		0.1		E200.8	10/31/08 03:52 / ts
Nickel	0.16	mg/L		0.05		E200.8	10/31/08 03:52 / ts
Uranium	0.133	mg/L		0.0003		E200.8	10/31/08 03:52 / ts
Vanadium	ND	mg/L		0.1		E200.8	10/31/08 03:52 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/24/08 14:00 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/29/08 16:48 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	17.7	pCi/L				E900.1	10/30/08 16:48 / cgr
Gross Alpha minus Rn & U Precision (±)	1.4	pCi/L				E900.1	10/30/08 16:48 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 16:48 / cgr
Lead 210	1.1	pCi/L	U			E909.0M	10/28/08 10:11 / dm
Lead 210 precision (±)	3.1	pCi/L				E909.0M	10/28/08 10:11 / dm
Lead 210 MDC	5.1	pCi/L				E909.0M	10/28/08 10:11 / dm
Radium 226	11	pCi/L				E903.0	11/10/08 15:06 / trs
Radium 226 precision (±)	0.67	pCi/L				E903.0	11/10/08 15:06 / trs
Radium 226 MDC	0.22	pCi/L				E903.0	11/10/08 15:06 / trs
Radium 228	14	pCi/L				RA-05	11/04/08 12:09 / plj
Radium 228 precision (±)	1.2	pCi/L				RA-05	11/04/08 12:09 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	11/04/08 12:09 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Not Indicated
Lab ID: C08100852-005
Client Sample ID: RW-A

Report Date: 11/19/08
Collection Date: 10/14/08 15:45
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.0	pCi/L	U	0.2		E907.0	10/31/08 07:44 / dmf
Thorium 230 precision (±)	0.8	pCi/L				E907.0	10/31/08 07:44 / dmf
DATA QUALITY							
A/C Balance (± 5)	-4.14	%				Calculation	11/07/08 16:47 / sdw
Anions	59.8	meq/L				Calculation	11/07/08 16:47 / sdw
Cations	55.0	meq/L				Calculation	11/07/08 16:47 / sdw
Solids, Total Dissolved Calculated	3740	mg/L				Calculation	11/07/08 16:47 / sdw
TDS Balance (0.80 - 1.20)	1.00					Calculation	11/07/08 16:47 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/25/08 21:23 / jlr
Bromoform	ND	ug/L		0.50		E624	10/25/08 21:23 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	10/25/08 21:23 / jlr
Chloroform	ND	ug/L		0.50		E624	10/25/08 21:23 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/25/08 21:23 / jlr
Surr: 1,2-Dichlorobenzene-d4	112	%REC		80-120		E624	10/25/08 21:23 / jlr
Surr: Dibromofluoromethane	119	%REC		80-120		E624	10/25/08 21:23 / jlr
Surr: p-Bromofluorobenzene	95.0	%REC		80-120		E624	10/25/08 21:23 / jlr
Surr: Toluene-d8	98.0	%REC		80-120		E624	10/25/08 21:23 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary:					
Well ID:		RW-A	RW-A	RW-A	
Collection Date:		10/14/2008	7/15/2008	1/23/2008	
Receive Date:		10/17/2008	7/18/2008	1/25/2008	
Report Date:		11/20/2008	8/1/2008	4/2/2008	
Analyte	Units	C08100852-005	C08070877-004	C08011074-016	
Bicarbonate as HCO3	mg/L	327	360	378	
Calcium	mg/L	608		599	
Chloride	mg/L	41	39	47	
Magnesium	mg/L	223		192	
Nitrogen, Ammonia as N	mg/L	3.0		3.88	
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)		0.2	
Potassium	mg/L	9		9.6	
Sodium	mg/L	136		117	
Sulfate	mg/L	2560		2080	
pH	s.u.	6.61	6.60	6.81	
Solids, Total Dissolved TDS @ 180 C	mg/L	3740	3660	3590	
Aluminum	mg/L	ND(0.1)		ND(0.1)	
Beryllium	mg/L	ND(0.01)		ND(0.01)	
Cadmium	mg/L	ND(0.005)		ND(0.005)	
Cobalt	mg/L	0.12		0.09	
Lead	mg/L	ND(0.05)		ND(0.05)	
Manganese	mg/L	4.24		3.95	
Molybdenum	mg/L	0.2		0.2	
Nickel	mg/L	0.16		0.12	
Uranium	mg/L	0.133		0.162	
Vanadium	mg/L	ND(0.1)		ND(0.1)	
Arsenic-III	mg/L	ND(0.001)		0.001	
Selenium-IV	mg/L	ND(0.001)		ND(0.001)	
Gross Alpha minus Rn & U	pCi/L	17.7		15.0	
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.4		1.2	
Gross Alpha minus Rn & U MDC	pCi/L	0.4			
Lead 210	pCi/L	1.1		ND(1.0)	
Lead 210 precision (±)	pCi/L	3.1			
Lead 210 MDC	pCi/L	5.1			
Radium 226	pCi/L	11		14.7	
Radium 226 precision (±)	pCi/L	0.67		1.4	
Radium 226 MDC	pCi/L	0.22			
Radium 228	pCi/L	14		21.8	
Radium 228 precision (±)	pCi/L	1.2		1.6	
Radium 228 MDC	pCi/L	1.2			
Thorium 230	pCi/L	0.0		ND(0.2)	
Thorium 230 precision (±)	pCi/L	0.8			
A/C Balance (± 5)	%	-4.14		0.651	
Anions	meq/L	59.8		50.9	
Cations	meq/L	55.0		51.6	
Solids, Total Dissolved Calculated	mg/L	3740		3240	
TDS Balance (0.80 - 1.20)		1.00		1.11	
Trihalomethanes, Total	ug/L	ND(0.50)		ND(0.50)	

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Not Indicated
Lab ID: C08100852-006
Client Sample ID: RW-11

Report Date: 11/19/08
Collection Date: 10/14/08 16:05
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	247	mg/L		1		A2320 B	10/20/08 15:17 / ljl
Calcium	541	mg/L		1		E200.7	11/04/08 16:01 / cp
Chloride	41	mg/L		1		A4500-Cl B	10/27/08 12:59 / jal
Magnesium	241	mg/L		1		E200.7	11/04/08 16:01 / cp
Nitrogen, Ammonia as N	5.1	mg/L	D	0.4		E350.1	10/27/08 10:45 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/22/08 12:01 / eli-b
Potassium	10	mg/L		1		E200.7	11/04/08 16:01 / cp
Sodium	132	mg/L	D	8		E200.7	11/04/08 16:01 / cp
Sulfate	2520	mg/L	D	60		A4500-SO4 E	10/20/08 11:23 / jal
PHYSICAL PROPERTIES							
pH	6.43	s.u.		0.01		A4500-H B	10/20/08 10:47 / dd
Solids, Total Dissolved TDS @ 180 C	3780	mg/L		10		A2540 C	10/21/08 09:14 / jah
METALS - TOTAL							
Aluminum	0.1	mg/L		0.1		E200.8	11/04/08 18:33 / ts
Beryllium	ND	mg/L		0.01		E200.8	11/04/08 18:33 / ts
Cadmium	ND	mg/L		0.005		E200.8	11/04/08 18:33 / ts
Cobalt	0.15	mg/L		0.01		E200.8	11/04/08 18:33 / ts
Lead	ND	mg/L		0.05		E200.8	11/04/08 18:33 / ts
Manganese	4.93	mg/L		0.01		E200.8	11/04/08 18:33 / ts
Molybdenum	0.3	mg/L		0.1		E200.8	11/04/08 18:33 / ts
Nickel	0.17	mg/L		0.05		E200.8	11/04/08 18:33 / ts
Uranium	0.130	mg/L		0.0003		E200.8	11/04/08 18:33 / ts
Vanadium	ND	mg/L		0.1		E200.8	11/04/08 18:33 / ts
METALS - SPECIATED							
Arsenic-III	0.004	mg/L		0.001		E1632AM	10/24/08 14:37 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/29/08 16:50 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	12.8	pCi/L				E900.1	10/30/08 16:48 / cgr
Gross Alpha minus Rn & U Precision (±)	1.2	pCi/L				E900.1	10/30/08 16:48 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 16:48 / cgr
Lead 210	-0.2	pCi/L	U			E909.0M	10/28/08 10:11 / dm
Lead 210 precision (±)	3.0	pCi/L				E909.0M	10/28/08 10:11 / dm
Lead 210 MDC	5.1	pCi/L				E909.0M	10/28/08 10:11 / dm
Radium 226	18	pCi/L				E903.0	11/10/08 15:06 / trs
Radium 226 precision (±)	0.89	pCi/L				E903.0	11/10/08 15:06 / trs
Radium 226 MDC	0.23	pCi/L				E903.0	11/10/08 15:06 / trs
Radium 228	20	pCi/L				RA-05	11/04/08 12:09 / plj
Radium 228 precision (±)	1.4	pCi/L				RA-05	11/04/08 12:09 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	11/04/08 12:09 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Not Indicated
Lab ID: C08100852-006
Client Sample ID: RW-11

Report Date: 11/19/08
Collection Date: 10/14/08 16:05
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.1	pCi/L	U	0.2		E907.0	10/31/08 07:44 / dmf
Thorium 230 precision (±)	0.9	pCi/L				E907.0	10/31/08 07:44 / dmf
DATA QUALITY							
A/C Balance (± 5)	-4.07	%				Calculation	11/07/08 16:47 / sdw
Anions	57.7	meq/L				Calculation	11/07/08 16:47 / sdw
Cations	53.2	meq/L				Calculation	11/07/08 16:47 / sdw
Solids, Total Dissolved Calculated	3610	mg/L				Calculation	11/07/08 16:47 / sdw
TDS Balance (0.80 - 1.20)	1.05					Calculation	11/07/08 16:47 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/25/08 22:00 / jlr
Bromoform	ND	ug/L		0.50		E624	10/25/08 22:00 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	10/25/08 22:00 / jlr
Chloroform	ND	ug/L		0.50		E624	10/25/08 22:00 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/25/08 22:00 / jlr
Surr: 1,2-Dichlorobenzene-d4	102	%REC		80-120		E624	10/25/08 22:00 / jlr
Surr: Dibromofluoromethane	106	%REC		80-120		E624	10/25/08 22:00 / jlr
Surr: p-Bromofluorobenzene	89.0	%REC		80-120		E624	10/25/08 22:00 / jlr
Surr: Toluene-d8	96.0	%REC		80-120		E624	10/25/08 22:00 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary:					
Well ID:		RW-11	RW-11		
Collection Date:		10/14/2008	1/23/2008		
Receive Date:		10/17/2008	1/25/2008		
Report Date:		11/20/2008	4/2/2008		
Analyte	Units	C08100852-006	C08011074-017		
Bicarbonate as HCO3	mg/L	247	268		
Calcium	mg/L	541	545		
Chloride	mg/L	41	45		
Magnesium	mg/L	241	219		
Nitrogen, Ammonia as N	mg/L	5.1	5.8		
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	0.1		
Potassium	mg/L	10	10.5		
Sodium	mg/L	132	107		
Sulfate	mg/L	2520	2220		
pH	s.u.	6.43	6.57		
Solids, Total Dissolved TDS @ 180 C	mg/L	3780	3640		
Aluminum	mg/L	0.1	ND(0.1)		
Beryllium	mg/L	ND(0.01)	ND(0.01)		
Cadmium	mg/L	ND(0.005)	ND(0.005)		
Cobalt	mg/L	0.15	0.15		
Lead	mg/L	ND(0.05)	ND(0.05)		
Manganese	mg/L	4.93	4.83		
Molybdenum	mg/L	0.3	0.2		
Nickel	mg/L	0.17	0.18		
Uranium	mg/L	0.130	0.131		
Vanadium	mg/L	ND(0.1)	ND(0.1)		
Arsenic-III	mg/L	0.004	ND(0.001)		
Selenium-IV	mg/L	ND(0.001)	ND(0.001)		
Gross Alpha minus Rn & U	pCi/L	12.8	14.2		
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.2	1.2		
Gross Alpha minus Rn & U MDC	pCi/L	0.4			
Lead 210	pCi/L	-0.2	ND(1.0)		
Lead 210 precision (±)	pCi/L	3.0			
Lead 210 MDC	pCi/L	5.1			
Radium 226	pCi/L	18	12.4		
Radium 226 precision (±)	pCi/L	0.89	1.3		
Radium 226 MDC	pCi/L	0.23			
Radium 228	pCi/L	20	16.6		
Radium 228 precision (±)	pCi/L	1.4	1.5		
Radium 228 MDC	pCi/L	1.2			
Thorium 230	pCi/L	0.1	ND(0.2)		
Thorium 230 precision (±)	pCi/L	0.9			
A/C Balance (± 5)	%	-4.07	-0.927		
Anions	meq/L	57.7	51.9		
Cations	meq/L	53.2	50.9		
Solids, Total Dissolved Calculated	mg/L	3610	3280		
TDS Balance (0.80 - 1.20)		1.05	1.11		
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)		

**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: Not Indicated
Lab ID: C08100852-003
Client Sample ID: PB-4

Report Date: 11/19/08
Collection Date: 10/14/08 14:25
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	78	mg/L		1		A2320 B	10/20/08 14:52 / ljl
Calcium	614	mg/L		1		E200.7	11/04/08 15:49 / cp
Chloride	53	mg/L		1		A4500-Cl B	10/27/08 12:45 / jal
Magnesium	242	mg/L		1		E200.7	11/04/08 15:49 / cp
Nitrogen, Ammonia as N	7.3	mg/L		0.1		E350.1	10/23/08 13:56 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/22/08 11:57 / eli-b
Potassium	11	mg/L		1		E200.7	11/04/08 15:49 / cp
Sodium	144	mg/L	D	8		E200.7	11/04/08 15:49 / cp
Sulfate	2900	mg/L	D	60		A4500-SO4 E	10/20/08 11:19 / jal
PHYSICAL PROPERTIES							
pH	6.04	s.u.		0.01		A4500-H B	10/20/08 10:42 / dd
Solids, Total Dissolved TDS @ 180 C	4070	mg/L		10		A2540 C	10/21/08 09:13 / jah
METALS - TOTAL							
Aluminum	6.0	mg/L		0.1		E200.8	11/03/08 23:26 / ts
Beryllium	ND	mg/L		0.01		E200.8	11/03/08 23:26 / ts
Cadmium	ND	mg/L		0.005		E200.8	11/03/08 23:26 / ts
Cobalt	0.31	mg/L		0.01		E200.8	11/03/08 23:26 / ts
Lead	ND	mg/L		0.05		E200.8	11/03/08 23:26 / ts
Manganese	6.79	mg/L		0.01		E200.8	11/03/08 23:26 / ts
Molybdenum	0.4	mg/L		0.1		E200.8	11/03/08 23:26 / ts
Nickel	0.34	mg/L		0.05		E200.8	11/03/08 23:26 / ts
Uranium	0.162	mg/L		0.0003		E200.8	11/10/08 22:23 / ts
Vanadium	ND	mg/L		0.1		E200.8	11/03/08 23:26 / ts
METALS - SPECIATED							
Arsenic-III	0.005	mg/L		0.001		E1632AM	10/24/08 13:43 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/29/08 16:43 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	24.5	pCi/L				E900.1	10/30/08 16:48 / cgr
Gross Alpha minus Rn & U Precision (±)	1.7	pCi/L				E900.1	10/30/08 16:48 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 16:48 / cgr
Lead 210	1.4	pCi/L	U			E909.0M	10/28/08 10:11 / dm
Lead 210 precision (±)	3.1	pCi/L				E909.0M	10/28/08 10:11 / dm
Lead 210 MDC	5.1	pCi/L				E909.0M	10/28/08 10:11 / dm
Radium 226	15	pCi/L				E903.0	11/10/08 15:06 / trs
Radium 226 precision (±)	0.79	pCi/L				E903.0	11/10/08 15:06 / trs
Radium 226 MDC	0.22	pCi/L				E903.0	11/10/08 15:06 / trs
Radium 228	12	pCi/L				RA-05	11/04/08 12:09 / plj
Radium 228 precision (±)	1.1	pCi/L				RA-05	11/04/08 12:09 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	11/04/08 12:09 / plj

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Not Indicated
Lab ID: C08100852-003
Client Sample ID: PB-4

Report Date: 11/19/08
Collection Date: 10/14/08 14:25
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	2.8	pCi/L		0.2		E907.0	10/31/08 07:44 / dmf
Thorium 230 precision (±)	1.1	pCi/L				E907.0	10/31/08 07:44 / dmf
DATA QUALITY							
A/C Balance (± 5)	-4.64	%				Calculation	11/07/08 16:47 / sdw
Anions	63.2	meq/L				Calculation	11/07/08 16:47 / sdw
Cations	57.6	meq/L				Calculation	11/07/08 16:47 / sdw
Solids, Total Dissolved Calculated	4010	mg/L				Calculation	11/07/08 16:47 / sdw
TDS Balance (0.80 - 1.20)	1.01					Calculation	11/07/08 16:47 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/25/08 20:07 / jlr
Bromoform	ND	ug/L		0.50		E624	10/25/08 20:07 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	10/25/08 20:07 / jlr
Chloroform	ND	ug/L		0.50		E624	10/25/08 20:07 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/25/08 20:07 / jlr
Surr: 1,2-Dichlorobenzene-d4	101	%REC		80-120		E624	10/25/08 20:07 / jlr
Surr: Dibromofluoromethane	113	%REC		80-120		E624	10/25/08 20:07 / jlr
Surr: p-Bromofluorobenzene	92.0	%REC		80-120		E624	10/25/08 20:07 / jlr
Surr: Toluene-d8	63.0	%REC	S	80-120		E624	10/25/08 20:07 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: PB Monitor Wells					
Well ID:		PB-4	PB-4	PB-4	PB-4
Collection Date:		10/14/2008	7/15/2008	4/15/2008	1/22/2008
Receive Date:		10/17/2008	7/18/2008	4/18/2008	1/25/2008
Report Date:		11/20/2008	8/1/2008	6/9/2008	4/2/2008
Analyte	Units	C08100852-003	C08070877-002	C08040891-015	C08011074-018
Bicarbonate as HCO3	mg/L	78	270	133	296
Calcium	mg/L	614			
Chloride	mg/L	53	43	54	58
Magnesium	mg/L	242			
Nitrogen, Ammonia as N	mg/L	7.3			
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)			
Potassium	mg/L	11			
Sodium	mg/L	144			
Sulfate	mg/L	2900			
pH	s.u.	6.04	7.08	6.54	6.63
Solids, Total Dissolved TDS @ 180 C	mg/L	4070	3900	3550	3710
Aluminum	mg/L	6.0			
Beryllium	mg/L	ND(0.01)			
Cadmium	mg/L	ND(0.005)			
Cobalt	mg/L	0.31			
Lead	mg/L	ND(0.05)			
Manganese	mg/L	6.79			
Molybdenum	mg/L	0.4			
Nickel	mg/L	0.34			
Uranium	mg/L	0.162			
Vanadium	mg/L	ND(0.1)			
Arsenic-III	mg/L	0.005			
Selenium-IV	mg/L	ND(0.001)			
Gross Alpha minus Rn & U	pCi/L	24.5			
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.7			
Gross Alpha minus Rn & U MDC	pCi/L	0.4			
Lead 210	pCi/L	1.4			
Lead 210 precision (±)	pCi/L	3.1			
Lead 210 MDC	pCi/L	5.1			
Radium 226	pCi/L	15			
Radium 226 precision (±)	pCi/L	0.79			
Radium 226 MDC	pCi/L	0.22			
Radium 228	pCi/L	12			
Radium 228 precision (±)	pCi/L	1.1			
Radium 228 MDC	pCi/L	1.2			
Thorium 230	pCi/L	2.8			
Thorium 230 precision (±)	pCi/L	1.1			
A/C Balance (± 5)	%	-4.64			
Anions	meq/L	63.2			
Cations	meq/L	57.6			
Solids, Total Dissolved Calculated	mg/L	4010			
TDS Balance (0.80 - 1.20)		1.01			
Trihalomethanes, Total	ug/L	ND(0.50)			

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

SEMI-ANNUAL

EFFLUENT AND ENVIRONMENTAL MONITORING REPORT

JULY TO DECEMBER OF 2008

AVAILABLE MONITORING DATA

- **ENVIRONMENTAL INSPECTION REPORT (continued this procedure to show and maintain the integrity of the tailings area).**

- **GROUND WATER RESULT (GW-3 well reported in accordance to Regulatory Guide 4.14 format).**

ENVIRONMENTAL INSPECTION REPORTS

ENVIRONMENTAL INSPECTION

DATE: 7-28-08 TIME START: 0945

INSPECTOR: Max Chischilly Jr. TIME END: 1050

TAILINGS AREA:	OKAY	PROBLEM	COMMENTS
1. Fences	✓		See below
2. Air Monitors	NA	NA	Under RWP
3. Radiation Warning Signs	✓		
4. Locked Gates	✓		

ACTION TAKEN: A flood event on 7-20-08 had slightly damaged the pipeline arroya fenceline, but is still up near the main tailings entry gate on Sec. 2.

ENVIRONMENTAL INSPECTION

DATE: 8-29-08 TIME START: 1040

INSPECTOR: Mgl Chilly Jr. TIME END: 1200

TAILINGS AREA:	OKAY	PROBLEM	COMMENTS
1. Fences	✓		See below
2. Air Monitors	— NA	—	Under RWP
3. Radiation Warning Signs	✓		
4. Locked Gates	✓		

ACTION TAKEN: A flood event on 8-27-08 had slightly damaged ± 70' and 80' of fenceline (e.g. T-post are slightly bent and debris had accumulated at the bottom but line is still up to deter entry) on Sec. 2 northern most perimeter boundary line at two locations:

1) Intersection corner of State Hwy. 566 right-of-way and Sec. 2, thence-forward easterly to the tailings main entrance gate area.

2) Nearby the corner of Sec. 2, 35 and 36 area.

The above items will be repaired after the rainy season along with the pipeline arroya fenceline stated on the 7-28-08 report.

ENVIRONMENTAL INSPECTION

DATE: 9-26-08 TIME START: 1105

INSPECTOR: Maj Chailly Jr. TIME END: 1205

TAILINGS AREA:	OKAY	PROBLEM	COMMENTS
1. Fences	✓		
2. Air Monitors	– NA –		Under RWP
3. Radiation Warning Signs	✓		
4. Locked Gates	✓		

ACTION TAKEN:

ENVIRONMENTAL INSPECTION

DATE: 10-31-08 TIME START: 0930

INSPECTOR: Mary Chachilly Jr. TIME END: 1130

TAILINGS AREA:	OKAY		PROBLEM	COMMENTS
1. Fences			✓	
2. Air Monitors	—	NA	-	Under RWP
3. Radiation Warning Signs	✓			
4. Locked Gates	✓			

ACTION TAKEN: Chased a horse out of the tailings area and entry was thru an opening underneath perimeter fenceline at bottom of southwest end pipeline arroya. This problem was corrected with installment of additional fencing device during the first week of November.

ENVIRONMENTAL INSPECTION

DATE: 11-24-08 TIME START: 1200

INSPECTOR: Mark Chadbourne TIME END: 1317

TAILINGS AREA:	OKAY	PROBLEM	COMMENTS
1. Fences	✓		
2. Air Monitors	— NA	—	Under RWP
3. Radiation Warning Signs	✓		
4. Locked Gates	✓		

ACTION TAKEN:

ENVIRONMENTAL INSPECTION

DATE: 12-11-08 TIME START: 1415

INSPECTOR: Mag Chindlly Jr. TIME END: 1520

TAILINGS AREA:	OKAY	PROBLEM	COMMENTS
1. Fences	✓		See below
2. Air Monitors	— NA —		Under RWP
3. Radiation Warning Signs	✓		
4. Locked Gates	✓		

ACTION TAKEN: Pending repair work on flood damaged perimeter fenceline as described in the 8/29/08 inspection report was completed on 12/5/08. Continual surveillance was ongoing to keepout livestock and unauthorized entry.

GROUNDWATER RESULTS

QUARTERLY LIQUID SAMPLES

Date/Qr.	Location	Type	Radionuclide	Concentration Mg/l	Concentration µci/ml	Error Est. µci/ml	LLD µci/ml
7/8/2008	GW-3	Ground	U-Nat (dissolved) or total		9.00E-08		2.00E-10
3rd-Qr.		Water Well					
			Th-230 (dissolved) or total		1.00E-10	4.00E-10	2.00E-10
			Ra-266 (dissolved) or total		2.20E-10	1.30E-10	2.00E-10
			Pb-210 (dissolved) or total		1.30E-09	4.70E-09	1.00E-09
			Po-210 (dissolved) or total				1.00E-09

UNC Field Data:
PH (STD. Units) = 6.28
Cond. (µ MHOS) = 5,430
Water Depth (Ft.) = 51.85
Temp. (°C) = 17.9

COMMENTS:

QUARTERLY LIQUID SAMPLES

Date/Qr.	Location	Type	Radionuclide	Concentration Mg/l	Concentration µci/ml	Error Est. µci/ml	LLD µci/ml
10/7/08	GW-3	Ground	U-Nat (dissolved) or total		7.99E-08		2.00E-10
4th-Qr.		Water Well					
			Th-230 (dissolved) or total		0.00	6.00E-10	2.00E-10
			Ra-266 (dissolved) or total		5.00E-11	1.30E-10	2.00E-10
			Pb-210 (dissolved) or total		2.60E-09	3.00E-09	1.00E-09
			Po-210 (dissolved) or total				1.00E-09

UNC Field Data:
PH (STD. Units) = 6.59
Cond. (µ MHOS) = 5,350
Water Depth (Ft.) = 52.25
Temp. (°C) = 15.5

COMMENTS: