

TABLE B.1
Zone 3 Data Summary, 1989-2011
United Nuclear Corporation, Church Rock Site, Church Rock, New Mexico

Location ID	Desc	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	TTHMs (Chloroform)	AI
			ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NRC Standard			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA
EPA Standard			NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5
EPA 09	N	1/10/1995	6,908.20	5.30	4.92	6144	560	650	117	13.3	10.3	4239	28.9	1.78	< 0.1	< 1	5.54
EPA 09	N	4/11/1995	6,908.60	6.20	6.04	5264	550	526	120	11.5	119	3500	15.7	1.15	< 0.1	< 1	0.18
EPA 09	N	7/11/1995	6,907.90	5.90	6.06	5046	498	540	120	11.5	34.1	3485	29.8	1.04	< 0.1	< 1	< 0.1
EPA 09	N	10/10/1995	6,908.00	5.70	6.95	5003	510	530	120	11.6	70.8	3475	27	0.88	< 0.1	< 1	0.15
EPA 09	N	1/9/1996	6,907.60	5.60	5.94	5085	485	550	109	11.3	52.8	3790	28.4	0.24	< 0.1	< 1	1.87
EPA 09	N	4/10/1996	6,907.60	5.90	6.20	5494	525	575	107	11.7	27.5	3905	28.2	0.35	< 0.1	< 1	0.34
EPA 09	N	7/17/1996	6,907.40	5.90	5.58	5615	505	555	117	12.1	23.4	3816	32	0.31	< 0.1	< 1	0.56
EPA 09	N	10/8/1996	6,907.40	5.70	4.44	5590	542	609	116	12.1	< 1	3943	29	0.33	< 0.1	< 1	0.5
EPA 09	N	1/28/1997	6,912.30	5.80	6.07	5510	500	545	109	11.7	29.3	3695	30.8	0.35	< 0.1	< 1	0.5
EPA 09	N	4/15/1997	6,907.20	5.40	5.72	5740	532	616	112	12.1	21.2	4040	31.3	0.38	< 0.1	1	0.81
EPA 09	N	7/15/1997	6,906.80	5.20	5.27	5780	515	606	109	12	7.4	3560	32.5	0.39	< 0.1	< 1	1.47
EPA 09	N	10/15/1997	6,906.70	5.60	4.49	5860	507	632	110	11.7	< 0.1	3990	37.7	0.54	< 0.1	< 1	2.44
EPA 09	N	1/20/1998	6,907.10	4.80	5.64	5570	504	595	119	13.1	9.27	4200	34.4	0.82	< 0.1	< 1	1.61
EPA 09	N	4/14/1998	6,906.80	4.90	4.22	5840	510	610	107	11.3	< 0.1	3720	30.7	0.5	< 0.1	< 1	1.8
EPA 09	N	7/14/1998	6,906.60	4.60	4.45	5820	488	611	115	12.3	< 0.1	3700	30.1	0.52	< 0.1	< 1	2.66
EPA 09	N	10/13/1998	6,907.90	3.83	4.56	5820	484	622	116	12.6	1.2	4000	29.1	1.08	0.23	< 1	2.84
EPA 09	N	1/12/1999	6,917.50	4.30	4.58	5870	423	601	107	11.8	< 0.1	4000	28.9	0.55	< 0.1	< 1	2.9
EPA 09	N	4/13/1999	6,907.80	4.10	4.45	5860	472	624	105	11.8	< 0.1	3750	38.9	0.66	< 0.1	< 1	3.42
EPA 09	N	7/20/1999	6,907.51	3.80	4.18	5930	492	634	104	13.1	< 0.1	3860	32.9	0.48	< 0.1	< 1	2.8
EPA 09	N	10/12/1999	6,907.40	4.90	4.47	5860	459	591	108	11.6	< 0.1	3680	32.6	0.57	< 0.1	< 1	3.44
EPA 09	N	1/11/2000	6,907.80	4.20	4.25	5790	460	610	103	12.2	< 0.1	3690	31.7	0.62	< 0.1	< 1	4.12
EPA 12	N	7/25/1989	6,865.90	6.10	5.96	4722	582	430	151	9.7	139	3151	30.2	0.38	0.02	< 1	< 0.1
EPA 12	N	10/4/1989	6,865.80	5.90	6.40	4742	534	414	132	10.9	167	3039	26.4	0.37	0.03	< 1	0.11
EPA 12	N	1/16/1990	6,864.80	5.90	6.01	4712	505	392	148	9.82	146	3074	27.1	0.4	0.7	< 1	< 0.1
EPA 12	N	4/17/1990	6,863.90	5.90	6.47	4757	521	402	143	9.2	170	2989	27	0.41	0.15	< 1	< 0.1
EPA 12	N	7/12/1990	6,862.80	6.00	6.26	4839	532	437	143	10	139	2754	27.9	0.27	0.12	< 1	< 0.1
EPA 12	N	10/16/1990	6,862.20	6.00	6.65	4816	491	409	146	10.7	142	3102	29	0.32	0.07	< 1	< 0.1
EPA 12	N	1/8/1991	6,861.40	6.00	6.29	4828	536	429	144	24	140	3100	27.3	0.48	0.07	< 1	0.1
EPA 12	N	4/16/1991	6,861.00	5.90	6.86	4863	527	429	137	8.5	109	3204	27.6	0.31	0.1	< 1	0.14
EPA 12	N	7/3/1991	6,860.40	5.80	6.32	4623	486	409	133	8	119	3257	25.1	0.41	0.03	< 1	0.34
EPA 12	N	10/22/1991	6,859.70	5.80	6.28	4884	507	423	140	8.5	139	3226	29.5	0.16	< 0.01	< 1	0.2
EPA 12	N	1/22/1992	6,858.40	5.90	6.24	5060	531	423	130	8.2	75.4	3162	24.8	1.72	< 0.01	< 1	< 0.1
EPA 12	N	4/2/1992	6,857.50	5.60	7.04	4820	523	457	167	11.1	122	3297	23.4	1.5	< 0.1	< 1	< 0.1
EPA 12	N	7/15/1992	6,856.00	5.80	7.22	5073	495	438	149	9.3	50	3264	23.8	0.23	< 0.1	< 1	< 0.1
EPA 13	N	7/25/1989	6,881.30	5.50	5.56	5054	576	479	136	11.8	31.7	3454	29.7	0.84	14.1	< 1	0.21
EPA 13	N	10/4/1989	6,880.40	5.50	6.40	4736	550	407	129	15.1	86.1	3180	27.6	0.51	26	< 1	0.42
EPA 13	N	1/16/1990	6,878.50	5.10	5.30	5042	482	477	128	12.3	14.4	3420	26.4	0.96	4.6	< 1	0.19
EPA 13	N	4/17/1990	6,877.70	5.00	5.60	5256	496	485	122	11.8	66.6	3377	27.4	1.03	4.1	< 1	< 0.1
EPA 13	N	7/17/1990	6,876.80	5.30	5.60	5140	590	527	117	11.3	40	3253	25	0.51	10.8	< 1	0.24
EPA 13	N	10/16/1990	6,876.10	5.70	5.98	5067	513	422	129	12.6	39	3355	31.1	0.57	6.8	< 1	0.1

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Location ID	Desc	Sample Date	As	Be	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
			mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
NRC Standard			0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
EPA Standard			0.05	0.017	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 09	N	1/10/1995	0.012	< 0.01	< 0.01	0.27	< 0.05	7.76	< 0.1	0.28	< 0.001	< 0.1	0.003	18.9	6.1	25	< 0.2	1.2	28.2
EPA 09	N	4/11/1995	0.002	< 0.01	< 0.01	0.07	< 0.05	3.59	< 0.1	< 0.05	< 0.001	< 0.1	0.001	3.7	3.2	6.9	< 0.2	< 1	8.5
EPA 09	N	7/11/1995	0.003	< 0.01	< 0.01	0.022	< 0.05	0.85	< 0.1	< 0.05	< 0.001	< 0.1	0.0006	5.1	3	8.1	0.4	< 1	16.7
EPA 09	N	10/10/1995	0.001	< 0.01	< 0.01	0.08	< 0.05	3.88	< 0.1	0.07	< 0.001	< 0.1	0.0015	5	< 1	5	< 0.2	< 1	11.4
EPA 09	N	1/9/1996	< 0.001	< 0.01	< 0.01	0.17	< 0.05	5.15	< 0.1	0.14	< 0.001	< 0.1	0.0024	9	4.9	13.9	< 0.2	< 1	8.7
EPA 09	N	4/10/1996	0.001	< 0.01	< 0.01	0.11	< 0.05	4.2	< 0.1	0.09	< 0.001	< 0.1	0.0008	6.6	2.3	8.9	< 0.2	< 1	10.2
EPA 09	N	7/17/1996	< 0.001	< 0.01	< 0.01	0.15	< 0.05	4.94	< 0.1	0.12	< 0.001	< 0.1	0.0007	8	3.8	11.8	< 0.2	< 1	7.3
EPA 09	N	10/8/1996	0.001	< 0.01	< 0.01	0.13	< 0.05	4.61	< 0.1	0.11	< 0.001	< 0.1	< 0.0003	6.6	9	15.6	< 0.2	< 1	9.2
EPA 09	N	1/28/1997	< 0.001	< 0.01	< 0.01	0.12	< 0.05	4.25	< 0.1	0.09	0.002	< 0.1	< 0.0003	8.8	8.1	16.9	2.7	< 1	10.7
EPA 09	N	4/15/1997	< 0.001	< 0.01	< 0.01	0.15	< 0.05	5.03	< 0.1	0.12	< 0.001	< 0.1	< 0.0003	10.6	6.6	17.2	< 0.2	< 1	14.3
EPA 09	N	7/15/1997	0.003	< 0.01	< 0.01	0.17	< 0.05	5.22	< 0.1	0.14	< 0.001	< 0.1	< 0.0003	12	6.3	18.3	< 0.2	< 1	13
EPA 09	N	10/15/1997	0.002	< 0.01	< 0.01	0.21	< 0.05	6.12	< 0.1	0.16	0.001	< 0.1	0.001	10.8	14.6	25.4	< 0.2	5.5	14.1
EPA 09	N	1/20/1998	< 0.001	< 0.01	< 0.005	0.22	< 0.05	6.33	< 0.1	0.15	< 0.001	< 0.1	0.0008	12.6	9.5	22.1	< 0.2	< 1	12.3
EPA 09	N	4/14/1998	0.003	< 0.01	< 0.005	0.18	< 0.05	5.5	< 0.1	0.16	< 0.001	< 0.1	0.0008	12.5	7.2	19.7	< 0.2	< 1	15.9
EPA 09	N	7/14/1998	0.004	< 0.01	< 0.005	0.19	< 0.05	6.28	< 0.1	0.15	< 0.001	< 0.1	0.0012	12.5	6.3	18.8	< 0.2	< 1	15.1
EPA 09	N	10/13/1998	0.002	< 0.01	< 0.005	0.19	< 0.05	5.67	< 0.1	0.15	< 0.001	< 0.1	0.0008	11.8	8	19.8	< 0.2	< 1	18.9
EPA 09	N	1/12/1999	0.005	< 0.01	< 0.005	0.19	< 0.05	5.82	< 0.1	0.14	< 0.001	< 0.1	0.0017	10.9	6.6	17.5	< 0.2	10.6	10.6
EPA 09	N	4/13/1999	< 0.001	< 0.01	< 0.005	0.22	< 0.05	6.28	< 0.1	0.16	< 0.001	< 0.1	0.0015	11.9	12.2	24.1	< 0.2	< 1	17.4
EPA 09	N	7/20/1999	0.002	< 0.01	< 0.005	0.17	< 0.05	4.9	< 0.1	0.13	< 0.001	< 0.1	0.0013	12.7	8.4	21.1	< 0.2	< 1	13.5
EPA 09	N	10/12/1999	0.014	< 0.01	< 0.005	0.17	< 0.05	5.84	< 0.1	0.12	< 0.001	< 0.1	< 0.0003	12.7	10.4	23.1	< 0.2	< 1	17.4
EPA 09	N	1/11/2000	< 0.001	0.01	< 0.005	0.21	< 0.05	6.52	< 0.1	0.2	< 0.001	< 0.1	0.0013	12.6	8.5	21.1	< 0.2	< 1	16.2
EPA 12	N	7/25/1989	0.001	< 0.05	< 0.01	0.11	< 0.05	4.1	7.6	0.3	< 0.001	< 0.1	0.0017	5.7	2.6	8.3	3.4	< 1	7.1
EPA 12	N	10/4/1989	0.001	< 0.05	< 0.01	0.11	< 0.05	3.5	6.3	0.27	< 0.001	< 0.1	0.004	5.9	3.1	9	2.2	2	13
EPA 12	N	1/16/1990	0.002	< 0.05	< 0.01	0.13	< 0.05	3.5	6.7	0.24	< 0.001	< 0.1	0.004	5	3.6	8.6	< 0.2	< 1	5.5
EPA 12	N	4/17/1990	0.002	< 0.05	< 0.01	0.08	< 0.05	3.5	5.3	0.2	< 0.001	< 0.1	0.003	6.3	5.8	12.1	< 0.2	< 1	6.5
EPA 12	N	7/12/1990	0.084	< 0.05	< 0.01	0.1	< 0.05	3.5	7.01	0.19	< 0.001	< 0.1	0.0029	6.8	6.5	13.3	< 0.2	2.4	< 1
EPA 12	N	10/16/1990	0.095	< 0.05	< 0.01	0.13	< 0.05	3.35	6.54	0.19	< 0.001	< 0.1	0.0007	5.2	9.2	14.4	< 0.2	< 1	5
EPA 12	N	1/8/1991	0.004	< 0.01	< 0.01	0.12	< 0.05	3.06	3.87	0.21	0.001	< 0.1	0.0036	4.2	1	5.2	< 0.2	< 1	4
EPA 12	N	4/16/1991	0.066	< 0.01	< 0.01	0.14	< 0.05	3.68	6.26	0.21	< 0.001	< 0.1	0.001	8.3	8.4	16.7	< 0.2	2	8
EPA 12	N	7/3/1991	0.055	< 0.01	< 0.01	0.1	< 0.05	2.97	3.82	0.17	< 0.001	< 0.1	0.001	4.9	3.8	8.7	< 0.2	< 1	5
EPA 12	N	10/22/1991	0.054	< 0.01	< 0.01	0.11	< 0.05	3.32	3.32	0.17	< 0.001	< 0.1	< 0.0003	4.8	< 1	4.8	< 0.2	< 1	5
EPA 12	N	1/22/1992	0.036	< 0.01	< 0.01	0.12	< 0.05	3.02	3.7	0.17	< 0.001	< 0.1	0.007	7.7	6.8	14.5	< 0.2	< 1	8
EPA 12	N	4/2/1992	0.026	< 0.01	< 0.01	0.14	< 0.05	3.31	2.4	0.16	< 0.001	< 0.1	< 0.0003	6.3	8	14.3	< 0.2	1.1	6.5
EPA 12	N	7/15/1992	0.013	< 0.01	< 0.01	0.13	< 0.05	3.1	1.9	0.14	< 0.001	< 0.1	0.007	6.3	13	19.3	< 0.2	< 1	6.5
EPA 13	N	7/25/1989	0.007	< 0.05	< 0.01	0.47	< 0.05	6.2	1.5	0.59	< 0.001	< 0.1	0.006	5.9	3	8.9	6.4	2.7	5.3
EPA 13	N	10/4/1989	0.012	< 0.05	< 0.01	0.23	< 0.05	3.4	1.5	0.37	< 0.001	< 0.1	< 0.028	4.7	3.6	8.3	0.8	< 1	5.9
EPA 13	N	1/16/1990	0.021	< 0.05	< 0.01	0.42	0.06	6.4	0.51	0.6	0.001	< 0.1	0.009	4.6	7.3	11.9	< 0.2	< 1	5.1
EPA 13	N	4/17/1990	0.024	< 0.05	< 0.01	0.36	< 0.05	5.8	0.57	0.46	< 0.001	< 0.1	0.007	6.2	2.4	8.6	< 0.02	< 1	6.9
EPA 13	N	7/17/1990	0.033	< 0.05	< 0.01	0.25	< 0.05	5.5	0.69	0.33	< 0.001	< 0.1	0.0078	2.2	4.8	7	< 0.2	< 1	5
EPA 13	N	10/16/1990	0.016	< 0.05	< 0.01	0.22	< 0.05	5.21	0.8	0.34	< 0.001	< 0.1	0.0117	5.1	4.2	9.3	< 0.2	1.4	5

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Location ID	Desc	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	TTHMs (Chloroform)	Al
			ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
		NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA
		EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5
EPA 13	N	1/8/1991	6,875.20	5.40	5.73	5153	531	515	121	23	35	3432	29.4	0.95	9.6	< 1	0.74
EPA 13	N	4/16/1991	6,874.80	5.30	5.53	5255	485	457	124	12.8	13	3460	49.5	1.05	5.6	< 1	< 0.1
EPA 13	N	7/3/1991	6,876.30	5.20	5.66	5240	472	473	109	10.4	25	3357	23.6	1.2	0.45	< 1	1.14
EPA 13	N	10/22/1991	6,876.10	5.20	5.75	5409	488	466	114	11.3	39	3611	28.5	0.78	< 0.01	< 1	0.22
EPA 13	N	1/22/1992	6,875.52	5.40	5.48	5640	502	496	115	10.6	15.1	3733	24.1	0.46	< 0.01	< 1	< 0.1
EPA 13	N	4/7/1992	6,875.22	5.40	6.79	5228	629	539	149	14.1	59.9	3924	26.7	0.92	< 0.1	< 1	0.2
EPA 13	N	7/15/1992	6,874.00	5.60	4.25	5888	541	556	131	11.5	< 1	3862	21.6	0.49	< 0.1	< 1	< 0.1
EPA 13	N	10/14/1992	6,873.50	5.80	5.25	6201	534	572	131	11.7	29.3	4186	32.7	0.58	< 0.1	< 1	0.58
EPA 13	N	1/14/1993	6,873.00	5.70	5.02	6412	636	738	128	12.4	92.3	4391	30.1	0.11	< 0.1	< 1	0.42
EPA 13	N	4/15/1993	6,872.00	5.80	5.81	5848	469	731	155	10	38	4315	27.6	0.64	< 0.1	< 1	< 0.1
EPA 13	N	7/20/1993	6,872.10	5.90	5.89	6564	535	817	137	10.9	28.5	4790	28.9	0.61	< 0.1	< 1	< 0.1
EPA 13	N	10/12/1993	6,869.80	6.20	5.38	6064	518	715	135	10.3	21	4387	30.4	0.56	< 0.1	< 1	< 0.1
EPA 13	N	1/11/1994	6,871.60	6.10	6.15	6208	510	696	145	9.8	57.2	4444	30	0.57	< 0.1	< 1	< 0.1
EPA 13	N	4/20/1994	6,871.60	6.00	6.00	6116	514	686	132	9.1	79.2	4436	30.7	1.33	< 0.1	< 1	< 0.1
EPA 13	N	7/26/1994	6,871.60	5.90	6.51	6088	528	782	154	10.9	67.6	4343	33.3	0.17	< 0.1	< 1	0.66
EPA 13	N	10/11/1994	6,870.40	5.90	6.46	6762	506	806	162	11	80.5	4784	34.7	0.97	< 0.1	< 1	< 0.1
EPA 13	N	1/10/1995	6,869.90	6.00	6.57	6748	545	815	142	12	98.6	4810	34	1.28	< 0.1	< 1	< 0.1
EPA 13	N	4/11/1995	6,870.20	6.20	6.13	6718	522	714	154	11	94.5	4729	40	1.36	< 0.1	< 1	< 0.1
EPA 13	N	7/11/1995	6,869.40	6.90	6.61	6107	500	814	141	10.5	67.1	4435	37.7	1.14	< 0.1	< 1	< 0.1
EPA 13	N	10/10/1995	6,869.30	6.20	6.85	6119	485	730	154	11.2	78.1	4340	33.6	1.12	< 0.1	< 1	< 0.1
EPA 13	N	1/9/1996	6,868.90	6.30	6.47	6144	465	730	141	10.4	95	4440	33.6	0.45	< 0.1	< 1	< 0.1
EPA 13	N	4/10/1996	6,867.30	6.80	7.09	6642	544	877	148	11.1	85.8	5040	35.9	0.53	< 0.1	< 1	< 0.1
EPA 13	N	7/17/1996	6,868.70	6.20	6.23	6694	468	761	149	11.7	74.5	4320	39	0.45	< 0.1	< 1	< 0.1
EPA 13	N	10/8/1996	6,868.50	6.30	6.32	6670	519	830	151	11.5	79.1	4689	36	0.5	< 0.1	< 1	< 0.1
EPA 13	N	1/28/1997	6,868.20	6.50	6.95	6570	512	800	132	10.9	101	4570	50.1	0.48	< 0.1	< 1	< 0.1
EPA 13	N	4/15/1997	6,868.00	6.30	6.79	6750	510	828	145	11.6	100	4740	39.2	0.51	< 0.1	1	< 0.1
EPA 13	N	7/15/1997	6,868.00	6.20	7.02	6740	499	795	145	11.6	83.7	4620	38.7	0.48	< 0.1	< 1	< 0.1
EPA 13	N	10/15/1997	6,867.50	6.40	7.21	6670	497	830	144	11.1	89.5	4620	49.6	0.6	< 0.1	< 1	< 0.1
EPA 13	N	1/20/1998	6,867.80	6.00	7.07	6610	486	780	152	12.3	84.7	4700	43.4	0.84	< 0.1	< 1	< 0.1
EPA 13	N	4/14/1998	6,867.60	6.30	7.12	6630	494	795	138	10.6	83	4560	38	0.55	< 0.1	< 1	< 0.1
EPA 13	N	7/14/1998	6,867.40	6.00	6.89	6700	473	777	149	11.8	76.8	4100	35.6	0.59	0.11	< 1	< 0.1
EPA 13	N	10/13/1998	6,868.50	5.93	7.72	6440	472	795	151	12	90.2	4520	36.1	0.65	< 0.1	< 1	< 0.1
EPA 13	N	1/12/1999	6,868.20	6.20	6.99	6510	410	769	137	11.7	92	4450	36.8	0.6	< 0.1	< 1	< 0.1
EPA 13	N	4/13/1999	6,868.10	6.10	6.93	6520	456	776	136	11.1	86	4200	46	0.69	< 0.1	< 1	< 0.1
EPA 13	N	7/20/1999	6,868.02	6.20	6.94	6510	476	791	134	12.8	77	4260	42	0.53	< 0.1	< 1	< 0.1
EPA 13	N	10/12/1999	6,867.90	6.10	7.16	6520	430	726	133	11.4	100	3890	40.7	0.53	< 0.1	< 1	< 0.1
EPA 13	N	1/11/2000	6,868.40	6.10	7.17	6340	455	787	138	12	92	4160	37.5	0.6	< 0.1	< 1	< 0.1
EPA 13	N	4/9/2001	6,867.90	7.19	6.43	6110	522	835	138	11.6	79	4660	36.5	0.62	< 0.1	< 1	0.1
EPA 13	N	7/16/2001	6,867.60	5.73	6.77	6450	421	733	139	13.3	81	3950	49.9	0.67	< 0.1	< 1	< 0.1
EPA 13	N	10/8/2001	6,867.80	5.96	6.60	6390	410	710	116	11	86	3600	48.5	0.53	< 0.1	< 1	< 0.1

TABLE B.1
Zone 3 Data Summary, 1989-2011
United Nuclear Corporation, Church Rock Site, Church Rock, New Mexico

Location ID	Desc	Sample Date	As	Be	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
			mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
NRC Standard			0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
EPA Standard			0.05	0.017	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 13	N	1/8/1991	0.066	< 0.01	< 0.01	0.21	< 0.05	6.62	0.81	0.39	< 0.001	< 0.1	0.0054	4.4	8	12.4	< 0.2	< 1	4
EPA 13	N	4/16/1991	0.031	< 0.01	< 0.01	0.33	< 0.05	7.16	0.89	0.36	< 0.001	< 0.1	0.004	3.3	8	11.3	< 0.2	< 1	3
EPA 13	N	7/3/1991	0.044	< 0.01	< 0.01	0.32	< 0.05	7.2	0.59	0.37	< 0.001	< 0.1	0.0029	3	1.2	4.2	< 0.2	< 1	3
EPA 13	N	10/22/1991	0.1	< 0.01	< 0.01	0.27	< 0.05	7.04	0.58	0.38	0.001	< 0.1	0.0156	4.2	< 1	4.2	< 0.2	2.3	4
EPA 13	N	1/22/1992	0.077	< 0.01	< 0.01	0.23	< 0.05	6.59	0.64	0.26	< 0.001	< 0.1	0.004	6.9	3.5	10.4	< 0.2	< 1	7
EPA 13	N	4/7/1992	0.134	< 0.01	0.02	0.21	< 0.05	6.56	0.8	0.3	< 0.001	< 0.1	0.004	4.2	7.5	11.7	< 0.2	1.3	4.3
EPA 13	N	7/15/1992	0.084	< 0.01	< 0.01	0.23	< 0.05	6.33	0.83	0.22	0.001	< 0.1	0.009	5.9	9.3	15.2	< 0.2	< 1	6.1
EPA 13	N	10/14/1992	0.175	< 0.01	< 0.01	0.21	< 0.05	6.43	0.9	0.2	< 0.001	< 0.1	0.002	4.7	8.7	13.4	< 0.2	1.2	4.9
EPA 13	N	1/14/1993	0.23	< 0.01	< 0.01	0.15	< 0.05	6.24	0.78	0.24	< 0.001	< 0.1	0.013	5.8	8.6	14.4	< 0.2	< 1	6.5
EPA 13	N	4/15/1993	0.186	< 0.01	< 0.01	0.14	< 0.05	5.81	0.59	0.2	< 0.001	< 0.1	0.017	3	7.7	10.7	< 0.2	< 1	3.5
EPA 13	N	7/20/1993	0.265	< 0.01	< 0.01	0.14	< 0.05	5.65	0.73	0.18	< 0.001	< 0.1	0.017	4.5	5.4	9.9	< 0.2	< 1	5.1
EPA 13	N	10/12/1993	0.154	< 0.01	< 0.01	0.11	< 0.05	5.51	0.6	0.14	< 0.001	< 0.1	0.024	5.4	5.5	10.9	< 0.2	< 1	6
EPA 13	N	1/11/1994	0.225	< 0.01	< 0.01	0.07	< 0.05	5.51	0.67	0.19	< 0.001	< 0.1	0.027	4.5	6.2	10.7	< 0.2	< 1	14.8
EPA 13	N	4/20/1994	0.262	< 0.01	< 0.01	0.09	< 0.05	4.69	0.48	0.14	< 0.001	< 0.1	0.023	5.1	9.9	15	< 0.2	< 1	20.1
EPA 13	N	7/26/1994	0.199	< 0.01	< 0.01	0.1	< 0.05	5.9	0.66	0.13	< 0.001	< 0.1	0.019	5.3	13.8	19.1	< 0.2	1.7	26.2
EPA 13	N	10/11/1994	0.192	< 0.01	< 0.01	0.11	< 0.05	5.26	0.57	0.13	< 0.001	< 0.1	0.022	5.6	6.5	12.1	< 0.2	< 1	19.5
EPA 13	N	1/10/1995	0.253	< 0.01	< 0.01	0.14	< 0.05	5.88	0.82	0.17	< 0.001	< 0.1	0.024	7.7	8.3	16	< 0.2	< 1	20.3
EPA 13	N	4/11/1995	0.23	< 0.01	< 0.01	0.06	< 0.05	5.82	0.47	0.1	< 0.001	< 0.1	0.022	4.8	9.5	14.3	< 0.2	< 1	19.1
EPA 13	N	7/11/1995	0.255	< 0.01	< 0.01	0.016	< 0.05	1.26	< 0.1	< 0.05	< 0.001	< 0.1	0.024	4.7	12.3	17	0.4	2.8	15.9
EPA 13	N	10/10/1995	0.225	< 0.01	< 0.01	0.05	< 0.05	5.91	0.38	0.12	< 0.001	< 0.1	0.026	4.9	1.7	6.6	< 0.2	1.1	11.8
EPA 13	N	1/9/1996	0.227	< 0.01	< 0.01	< 0.01	< 0.05	1.19	< 0.1	< 0.05	< 0.001	< 0.1	0.028	5.3	8.2	13.5	< 0.2	< 1	5.4
EPA 13	N	4/10/1996	0.295	< 0.01	< 0.01	0.06	< 0.05	5.65	0.35	0.11	< 0.001	< 0.1	0.029	4.3	10.6	14.9	< 0.2	< 1	7.6
EPA 13	N	7/17/1996	0.269	< 0.01	< 0.01	0.06	< 0.05	5.94	0.41	0.12	< 0.001	< 0.1	0.022	3.3	15.4	18.7	0.7	< 1	6
EPA 13	N	10/8/1996	0.301	< 0.01	< 0.01	0.06	< 0.05	5.71	0.34	0.12	< 0.001	< 0.1	0.027	3.6	7.9	11.5	< 0.2	< 1	4.4
EPA 13	N	1/28/1997	0.43	< 0.01	< 0.01	0.06	< 0.05	5.96	0.4	0.12	0.003	< 0.1	0.019	4.4	10	14.4	1.5	< 1	4.7
EPA 13	N	4/15/1997	0.331	< 0.01	< 0.01	0.05	< 0.05	5.87	0.34	0.12	< 0.001	< 0.1	0.013	4.5	11	15.5	< 0.2	< 1	7.8
EPA 13	N	7/15/1997	0.464	< 0.01	< 0.01	0.05	< 0.05	5.46	0.35	0.1	< 0.001	< 0.1	0.019	4.1	12	16.1	< 0.2	< 1	4.5
EPA 13	N	10/15/1997	0.595	< 0.01	< 0.01	0.07	< 0.05	6.21	0.45	0.12	< 0.001	< 0.1	0.03	3.5	11.6	15.1	< 0.2	< 1	5.4
EPA 13	N	1/20/1998	0.444	< 0.01	< 0.005	0.08	< 0.05	6.84	0.39	0.13	< 0.001	< 0.1	0.027	5	8.2	13.2	< 0.2	< 1	6.1
EPA 13	N	4/14/1998	0.563	< 0.01	< 0.005	0.05	< 0.05	5.6	0.34	0.11	< 0.001	< 0.1	0.0285	4.4	4.8	9.2	< 0.2	< 1	6.3
EPA 13	N	7/14/1998	0.45	< 0.01	< 0.005	0.05	< 0.05	6.04	0.29	0.1	< 0.001	< 0.1	0.0311	4.4	5.3	9.7	< 0.2	< 1	3.9
EPA 13	N	10/13/1998	0.613	< 0.01	< 0.005	0.05	< 0.05	5.64	0.32	0.12	< 0.001	< 0.1	0.0244	4.2	4.7	8.9	< 0.2	< 1	6.6
EPA 13	N	1/12/1999	0.514	< 0.01	0.006	0.05	< 0.05	5.6	0.26	0.08	< 0.001	< 0.1	0.0267	5.3	6.4	11.7	< 0.2	< 1	4.3
EPA 13	N	4/13/1999	0.717	< 0.01	< 0.005	0.06	< 0.05	5.96	0.33	0.1	< 0.001	< 0.1	0.0284	5.3	6.8	12.1	< 0.2	< 1	8.4
EPA 13	N	7/20/1999	< 0.001	< 0.01	< 0.005	0.06	< 0.05	4.6	0.26	0.1	< 0.001	< 0.1	0.0242	4.3	6.8	11.1	< 0.2	< 1	8.6
EPA 13	N	10/12/1999	0.443	< 0.01	< 0.005	0.04	< 0.05	5.63	0.3	< 0.05	< 0.001	< 0.1	0.0237	4.5	6.9	11.4	< 0.2	< 1	5.1
EPA 13	N	1/11/2000	0.347	< 0.01	< 0.005	0.06	< 0.05	5.89	0.32	0.16	< 0.001	< 0.1	0.0207	4.7	8.5	13.2	1.7	< 1	6.3
EPA 13	N	4/9/2001	0.601	< 0.01	< 0.005	0.06	< 0.05	6.33	0.3	0.15	< 0.001	< 0.1	0.023	4.6	5.1	9.7	< 0.2	< 1	6.9
EPA 13	N	7/16/2001	0.386	< 0.01	< 0.005	0.08	< 0.05	8.41	0.4	0.21	< 0.001	< 0.1	0.025	4.5	5.6	10.1	< 0.2	< 1	5.9
EPA 13	N	10/8/2001	0.32	< 0.01	< 0.005	0.04	< 0.05	4.72	0.19	0.08	< 0.001	< 0.1	0.0159	4.3	4.7	9	< 0.2	< 1	5.8

TABLE B.1
Zone 3 Data Summary, 1989-2011
 United Nuclear Corporation, Church Rock Site, Church Rock, New Mexico

Location ID	Desc	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	TTHMs (Chloroform)	Al
			ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
		NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA
		EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5
EPA 13	N	1/15/2002	6,867.90	5.42	6.50	6250	502	804	129	12.7	91.5	4060	43.7	0.49	< 0.1	< 1	< 0.1
EPA 13	N	4/8/2002	6,867.67	5.75	6.47	6300	442	728	132	11.5	88.4	3980	43.9	0.54	< 0.1	< 1	< 0.1
EPA 13	N	7/15/2002	6,867.63	5.23	6.59	6450	519	840	126	10.9	85.4	4660	30.3	0.86	< 0.1	< 1	< 0.1
EPA 13	N	10/14/2002	6,867.52	5.52	6.70	5770	502	832	142	12.3	86.6	4650	42.3	0.8	< 0.1	< 1	< 0.1
EPA 13	N	1/13/2003	6,867.41	6.72	6.66	6190	626	973	121	10.5	78.7	5220	26.7	0.86	< 0.1	< 1	< 0.1
EPA 13	N	4/15/2003	6,867.62	5.87	6.62	6360	449	784	142	14.2	84.2	4210	39.9	1.03	< 0.1	< 1	< 0.1
EPA 13	N	7/14/2003	6,867.52	5.79	6.70	6430	443	725	136	12.4	78.1	3850	38.8	0.85	< 0.1	< 1	< 0.1
EPA 13	N	10/14/2003	6,867.48	5.90	6.87	6270	480	808	140	11.6	83	4440	40.2	0.78	< 0.1	< 1	< 0.1
EPA 13	N	1/14/2004	6,867.57	5.95	6.68	6280	493	819	132	12.6	88.1	4360	38.8	0.92	< 0.10	< 1.0	< 0.1
EPA 13	N	4/13/2004	6,867.54	5.85	6.04	6260	452	746	137	12.6	89	4240	44.2	0.94	< 0.1	< 1	< 0.1
EPA 13	N	7/19/2004	6,867.45	5.98	6.10	5330 H	487 D	763 D	143	11.7	77	4130 D	40	0.79	< 0.10	< 1.0	< 0.1
EPA 13	N	10/12/2004	6,867.36	6.04	6.43	6410	452 D	768 D	139	11.9	83	4070 D	42	0.66	< 0.10	< 1.0	< 0.1
EPA 13	N	1/11/2005	6,867.57	5.97	6.37	6350	464 D	744 D	132	11.3	84	3970 D	39	0.69	< 0.1	< 1.0	< 0.1
EPA 13	N	4/12/2005	6,867.29	6.07	6.37	6050	492	786	149	11.8	76	4450	42	0.7	< 0.1	< 1.0	< 0.1
EPA 13	N	7/19/2005	6,867.32	5.77	6.29	6500	463 D	733 D	146	11.4	77	4050 D	40	0.78	< 0.1	< 1.0	< 0.1
EPA 13	N	10/11/2005	6,867.25	6.06	6.56	6270	475 D	788 D	140	11.9	82	4360 D	42	0.79	< 0.1	< 1.0	< 0.1
EPA 13	N	1/16/2006	6,867.28	6.43	7.08	6190	446 D	747 D	130	11.6	82	4000 D	39	0.75	< 0.1	< 1.0	< 0.1
EPA 13	N	4/11/2006	6,867.08	6.01	6.61	6270	470 D	773 D	141	11.7	85	4220 D	40	0.61	< 0.1	< 1.0	< 0.1
EPA 13	N	7/25/2006	6,867.12	5.90	6.31	6320	481 D	772 D	138	11.6	80	4240 D	38	0.74	< 0.1	< 1.0	< 0.1
EPA 13	N	10/10/2006	6,866.95	6.01	6.42	5910	483 D	784 D	132	11.8	64	4210 D	36	0.7	< 0.1	< 0.5	< 0.1
EPA 13	N	1/16/2007	6,866.72	6.18	6.86	6280	395 D	651 D	118	10.2	76	3510 D	34	0.34	< 0.1	< 0.5	< 0.1
EPA 13	N	4/17/2007	6,866.70	6.00	6.37	6370	469 D	798 D	126	11.7	81	4430 D	41	0.41	< 0.1	< 0.5	< 0.1
EPA 13	N	7/17/2007	6,866.62	5.87	6.18	6280	481 D	802 D	138	11.6	85	4400 D	49	0.52	< 0.1	< 0.5	< 0.1
EPA 13	N	10/9/2007	6,866.42	6.12	6.58	6440	476 D	781 D	136	12.3	79	4280 D	41	0.43	< 0.1	< 0.5	< 0.1
EPA 13	N	1/22/2008	6,866.50	6.11	6.09	6220	458 D	774 D	139	13.8	84	4140 D	49	0.38	< 0.1	< 0.5	< 0.1
EPA 13	N	4/14/2008	6,866.37	5.77	6.3	6090	506	843	138 D	11.9	74	4740 D	37	0.28	< 0.1	< 0.50	< 0.1
EPA 13	N	7/14/2008	6,866.37	5.98	6.46	6250	458	748	134 D	12	77	4340 D	40	0.24	< 0.1	< 0.5	< 0.1
EPA 13	N	10/13/2008	6,866.23	5.92	6.2 H	6540	484	794	134 D	12	60	4690 D	48	< 0.4	< 0.1	< 0.5	< 0.1
EPA 13	N	1/20/2009	6,864.81	5.92	6.62	6560	472	800	157	13	73	4580 D	35	0.16	< 0.1	< 0.5	< 0.1
EPA 13	N	4/14/2009	6,865.01	5.94	6.13	6490	455 D	778 D	145 D	11	65	4620 D	39	0.31	< 0.1	< 0.50	< 0.1
EPA 13	N	7/14/2009	6,864.76	5.85	6.5	7010	478	784	135	13	52	4760 D	41	0.25	< 0.1	< 0.50	0.2
EPA 13	N	10/13/2009	6,864.96	5.83	6.75	6550 H	495 D	788	141 D	13	62	4620 D	49	0.34	< 0.1	< 0.50	< 0.1
EPA 13	N	1/12/2010	6,864.51	5.84	6.01	6360 D	516 D	843	151 D	13	66	4740 D	40	0.29	< 0.10	< 0.50	< 0.1
EPA 13	N	4/13/2010	6,864.66	6.02	6.17	6740 D	496	844	151	13	66	4910 D	43	0.41	< 0.1	< 0.50	< 0.1
EPA 13	N	7/20/2010	6,864.46	5.82	6.46	6930 D	490	849	145	12	58	4740 D	39 D	0.66	< 0.1	< 0.50	< 0.1
EPA 13	N	10/11/2010	6,864.76	5.89	7.19	6540 D	483	812	160	13	65	4680 D	36 D	0.64	< 0.1	< 0.50	< 0.1
EPA 13	N	1/11/2011	6864.227	5.99	7.33	6630 D	482	826	147	13	63	4790 D	43 D	0.22	< 0.1	< 0.50	< 0.1
EPA 13	N	4/11/2011	6864.157	5.92	6.43	6920 D	501	841	164	14	53	4820 D	42 D	0.28	< 0.1	< 0.50	< 0.1
EPA 13	N	7/19/2011	6864.157	5.94	7.38	6710 D	476	807	161	13	50	4950 D	42 D	0.3 D	< 0.5	< 0.50	< 0.1
EPA 13	N	10/10/2011	6863.297	5.9	7.08	6700 D	486	839	162	14	44	4940 D	43 D	0.3 D	< 0.5	< 0.50	< 0.1

TABLE B.1
Zone 3 Data Summary, 1989-2011
United Nuclear Corporation, Church Rock Site, Church Rock, New Mexico

Location ID	Desc	Sample Date	As	Be	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
			mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
NRC Standard			0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
EPA Standard			0.05	0.017	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 13	N	1/15/2002	0.383	< 0.01	< 0.005	0.06	< 0.05	6.42	0.3	0.16	< 0.001	< 0.1	0.0163	4.1	10.1	14.2	< 0.2	< 1	5.5
EPA 13	N	4/8/2002	0.322	< 0.01	< 0.005	0.07	< 0.05	7.14	0.4	0.17	< 0.001	< 0.1	0.018	3.9	8.7	12.6	< 0.2	< 1	6
EPA 13	N	7/15/2002	0.313	< 0.01	< 0.005	0.06	< 0.05	5.72	0.3	0.12	< 0.001	< 0.1	0.0179	4.7	6.6	11.3	< 0.2	< 1	4.9
EPA 13	N	10/14/2002	0.29	< 0.01	< 0.005	0.06	< 0.05	6.56	0.3	0.15	< 0.001	< 0.1	0.0173	4.2	4.8	9	< 0.2	< 1	5.7
EPA 13	N	1/13/2003	0.345	< 0.01	< 0.005	0.06	< 0.05	6.07	0.3	0.14	< 0.001	< 0.1	0.0167	5.8	3.9	9.7	2.2	< 1	5.8
EPA 13	N	4/15/2003	0.31	< 0.01	< 0.005	0.05	< 0.05	6.6	0.3	0.13	< 0.001	< 0.1	0.0161	5.7	13.6	19.3	0.5	< 1	8.2
EPA 13	N	7/14/2003	0.454	< 0.01	< 0.005	0.06	< 0.05	6.26	0.3	0.12	< 0.001	< 0.1	0.0127	5	< 1	5	< 0.2	< 1	4.3
EPA 13	N	10/14/2003	0.3	< 0.01	< 0.005	0.06	< 0.05	6.06	0.3	0.14	< 0.001	< 0.1	0.0157	4.5	2.3	6.8	< 0.2	< 1	7.8
EPA 13	N	1/14/2004	0.347 D	< 0.01	< 0.005	0.06	< 0.05	6.42	0.2	0.12	< 0.001	< 0.1	0.0157 D	4.5	5.1	9.6	< 0.2	< 1.0	8
EPA 13	N	4/13/2004	0.289 D	< 0.01	< 0.005	0.05	< 0.05	6.38	0.2	0.14	< 0.001	< 0.1	0.0143 D	4.2	3.3	7.5	< 0.2	< 1	6.2
EPA 13	N	7/19/2004	0.220 D	< 0.01	< 0.005	0.05	< 0.05	6.12	0.1	0.13	< 0.001	< 0.1	0.0134 D	5	3.9	8.9	< 0.2	< 1.0	7
EPA 13	N	10/12/2004	0.274 D	< 0.01	< 0.005	0.05	< 0.05	6.13	0.2	0.13	< 0.001	< 0.1	0.0119	4.6	5.4	10	< 0.2	< 1.0	7.1
EPA 13	N	1/11/2005	0.68 D	< 0.01	< 0.005	0.05	< 0.05	5.78	0.1	0.14	< 0.001	< 0.1	0.0135	4	7	11	< 0.2	< 1.0	7.3
EPA 13	N	4/12/2005	0.24	< 0.01	< 0.005	0.05	< 0.05	6.5	0.2	0.14	< 0.001	< 0.1	0.0135	5.7	2.9	8.6	< 0.2	< 1.0	5.3
EPA 13	N	7/19/2005	0.21 D	< 0.01	< 0.005	0.05	< 0.05	6.09	0.1	0.15	< 0.001	< 0.1	0.0135	4.5	3.6	8.1	< 0.2	< 1.0	6.6
EPA 13	N	10/11/2005	0.03	< 0.01	< 0.005	0.06	< 0.05	6.44	0.1	0.14	< 0.001	< 0.1	0.0129	6	3.8	9.8	< 0.2	< 1.0	7.7
EPA 13	N	1/16/2006	0.22 D	< 0.01	< 0.005	0.06	< 0.05	6.33	0.2	0.14	< 0.001	< 0.1	0.013	5.6	7.4	13	< 0.2	< 1.0	3.6
EPA 13	N	4/11/2006	0.27 D	< 0.01	< 0.005	0.06	< 0.05	6.3	0.2	0.14	< 0.001	< 0.1	0.0142	4.6	8.4	13	< 0.2	< 1.0	5.3
EPA 13	N	7/25/2006	0.30 D	< 0.01	< 0.005	0.06	< 0.05	7.03	0.2	0.14	< 0.001	< 0.1	0.0137	4.5	5.6	10.1	< 0.2	< 1.0	5.3
EPA 13	N	10/10/2006	0.42 D	< 0.01	< 0.005	0.06	< 0.05	6.59	0.2	0.15	< 0.001	< 0.1	0.0132	4.9	3.8	8.7	< 0.2	< 1	5.7
EPA 13	N	1/16/2007	0.53 D	< 0.01	< 0.005	0.05	< 0.05	5.32	0.2	0.11	< 0.001	< 0.1	0.0141	5.3	5.8	11.1	< 0.2	< 1	7.2
EPA 13	N	4/17/2007	0.84 D	< 0.01	< 0.005	0.06	< 0.05	6.6	0.2	0.14	< 0.001	< 0.1	0.0154	4.2	7.1	11.3	< 0.2	< 1	5.9
EPA 13	N	7/17/2007	0.64 D	< 0.01	< 0.005	0.06	< 0.05	5.95	0.2	0.15	< 0.001	< 0.1	0.0141	4.5	8.1	12.6	< 0.2	< 1	5.5
EPA 13	N	10/9/2007	0.27 D	< 0.01	< 0.005	0.07	< 0.05	8.13	0.2	0.16	< 0.001	< 0.1	0.0139	3.4	8.2	11.6	< 0.2	< 1	5.3
EPA 13	N	1/22/2008	0.24 D	< 0.01	< 0.005	0.06	< 0.05	6.14	0.2	0.15	< 0.001	< 0.1	0.014	6.9	9.7	16.6	< 0.2	4.3	6.8
EPA 13	N	4/14/2008	0.03	< 0.01	< 0.005	0.06	< 0.05	6.68	0.2	0.14	< 0.001	0.2	0.0133	4.2	10.4	14.6	0.2	-18 U	5.7
EPA 13	N	7/14/2008	0.05	< 0.01	< 0.005	0.06	< 0.05	6.73	0.2	0.15	< 0.001	< 0.1	0.014	4.1	6.4	10.5	0.4	5 U	5.3
EPA 13	N	10/13/2008	0.058	< 0.01	< 0.005	0.06	< 0.05	6.65	0.2	0.15	< 0.001	< 0.1	0.0137	4	5.2	9.2	0.3	1.5 U	9
EPA 13	N	1/20/2009	0.049	< 0.01	< 0.005	0.05	< 0.05	6.2	0.2	0.15	< 0.001	< 0.1	0.0114	4.3	8.1	12.4	0.3	-1 U	5.1
EPA 13	N	4/14/2009	0.045	< 0.01	< 0.005	0.06	< 0.05	6.52	0.2	0.16	< 0.001	< 0.1	0.0116	3.9	6.7	10.6	-0.07 U	-1 U	8
EPA 13	N	7/14/2009	0.02	< 0.01	< 0.005	0.06	< 0.05	6.88	0.3	0.16	< 0.001	< 0.1	0.0183	4.1	7.3	11.4	-0.06 U	3.3	8
EPA 13	N	10/13/2009	0.003	< 0.01	< 0.005	0.07	< 0.05	6.98	0.2	0.17	< 0.001	< 0.1	0.0145	4.9	8.2	13.1	-0.006 U	0.3 U	7.4
EPA 13	N	1/12/2010	0.002 H	< 0.01	< 0.005	0.06	< 0.05	6.22	0.2	0.16	< 0.001	< 0.1	0.0123	4.2	11	15.2	-0.0002 U	2.1 U	6.1
EPA 13	N	4/13/2010	0.036	< 0.01	< 0.005	0.07	< 0.05	7.05	0.2	0.2	< 0.001	< 0.1	0.0151	5.2	7.3	12.5	0.09 U	-0.03 U	7.3
EPA 13	N	7/20/2010	0.045	< 0.01	< 0.005	0.07	< 0.05	7	0.3	0.17	< 0.001	< 0.1	0.0219	6.6	7.9	14.5	-0.03 U	1.7 U	5.8
EPA 13	N	10/11/2010	0.023 D	< 0.01	< 0.005	0.07	< 0.05	6.78	0.2	0.18	< 0.001	< 0.1	0.014	6.2	4.8	11	0.03 U	-0.04 U	6.8
EPA 13	N	1/11/2011	0.05 D	< 0.01	< 0.005	0.08	< 0.05	7	0.2	0.19	< 0.001	< 0.1	0.0198	6	7.8	13.8	0.05 U	1.3 U	5
EPA 13	N	4/11/2011	0.016	< 0.01	< 0.005	0.08	< 0.05	6.97	0.2	0.19	< 0.001	< 0.1	0.0155	5.1	7.8	12.9	-0.02 U	1.6	7.2
EPA 13	N	7/19/2011	< 0.01	< 0.01	< 0.005	0.07	< 0.05	5.9	0.2	0.22	< 0.001	< 0.1	0.0111	5.9	7.8	13.7	0.03 U	-0.6 U	4.8
EPA 13	N	10/10/2011	0.029	< 0.01	< 0.005	0.07	< 0.05	7	0.1	0.2	< 0.001	< 0.1	0.01	5.3	7.1	12.4	0.05 U	0.4 U	5.1

TABLE B.1
Zone 3 Data Summary, 1989-2011
United Nuclear Corporation, Church Rock Site, Church Rock, New Mexico

Location ID	Desc	Sample Date	Water	Field	Lab	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4	NO3	TTHMs	Al	
			Elevation	pH	pH													
			ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NRC Standard			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA	
EPA Standard			NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	
EPA 14	N	7/28/1989	6,895.90	6.00	5.82	3189	471	245	149	4.5	146	2111	26.8	0.08	16.9	< 1	0.79	
EPA 14	N	10/8/1989	6,891.10	5.40	6.00	3672	407	281	163	6.1	99.3	2370	31.9	0.09	18.8	< 1	1.1	
EPA 14	N	1/17/1990	6,889.50	5.60	6.11	3446	424	275	155	4.6	159	2099	29.4	0.08	16.8	< 1	0.67	
EPA 14	N	4/18/1990	6,888.20	5.70	6.15	3529	430	240	140	3.4	176	2088	28.7	0.15	19	< 1	0.52	
EPA 14	N	7/12/1990	6,886.60	5.80	6.12	3559	486	281	146	5.2	173	2067	30.1	< 0.05	21.2	< 1	0.68	
EPA 14	N	10/10/1990	6,886.80	5.70	6.43	3541	380	251	153	5.9	189	2079	33.3	0.07	20.8	< 1	0.5	
EPA 14	N	1/8/1991	6,886.50	5.70	6.35	3499	462	266	152	22	185	2222	31.8	< 0.05	24.6	< 1	0.54	
EPA 14	N	4/16/1991	6,886.90	5.60	6.80	3738	436	321	177	4.3	143	2380	34.8	0.07	27.5	< 1	0.86	
EPA 14	N	7/3/1991	6,883.90	5.30	6.25	3774	421	313	158	4	102	2558	35.7	0.08	28.9	< 1	1.06	
EPA 14	N	10/22/1991	6,875.10	5.70	6.35	3296	424	229	148	4.1	234	2117	37.6	0.09	9.2	< 1	0.31	
EPA 14	N	1/23/1992	6,880.20	5.50	6.16	4045	414	296	163	4.5	115	2463	39.1	< 0.05	14	< 1	1	
EPA 14	N	4/2/1992	6,880.20	5.40	7.09	4058	464	338	213	6	126	2607	33.6	0.18	27.4	< 1	1	
EPA 14	N	7/16/1992	6,870.30	6.20	6.28	3186	393	333	183	6.3	316	2306	30.5	0.07	23.3	< 1	0.45	
EPA 14	N	10/15/1992	6,870.60	6.10	6.38	3753	491	276	179	6	159	2332	32.8	< 0.05	24.2	< 1	0.73	
EPA 14	N	1/14/1993	6,875.30	5.90	6.47	3728	485	256	156	4.4	142	2456	35.5	0.12	26.5	< 1	0.59	
EPA 14	N	4/15/1993	6,872.20	5.90	6.54	3401	420	217	164	3.4	180	2096	32.2	0.17	27.1	< 1	0.4	
EPA 14	N	7/20/1993	6,866.90	6.50	7.46	3350	444	285	122	3.4	370	2197	28.9	0.14	14.9	< 1	< 0.1	
EPA 14	N	10/11/1993	6,865.60	6.50	6.49	3272	503	185	137	3.5	220	1936	29.6	0.05	25.7	< 1	0.4	
EPA 14	N	1/11/1994	6,871.00	5.70	6.49	3409	446	270	158	3.5	96.8	2285	37.9	< 0.05	31.9	< 1	0.88	
EPA 14	N	4/19/1994	6,868.40	6.20	6.54	2743	450	141	144	5	250	1654	27.3	0.18	16.9	< 1	0.36	
EPA 14	N	7/26/1994	6,866.10	6.30	7.04	2710	505	151	115	3.6	284	1732	25.6	0.2	9.94	< 1	0.31	
EPA 14	N	10/11/1994	6,866.10	6.30	7.05	3074	500	148	146	4.6	299	1776	26.9	0.25	23.5	< 1	0.53	
EPA 14	N	1/10/1995	6,867.80	6.00	6.60	3516	545	211	154	6.6	121	2309	35.8	0.48	33	< 1	1.25	
EPA 14	N	4/10/1995	6,867.60	6.10	6.01	4051	511	284	160	5.63	104	2570	43.7	0.57	40	< 1	1.68	
EPA 14	N	7/10/1995	6,863.40	6.20	7.62	2659	500	108	124	4.6	465	1456	26.2	0.21	18.6	< 1	< 0.1	
EPA 14	N	10/9/1995	6,863.60	6.60	7.44	2864	510	135	118	4.9	439	1530	25.7	0.16	22.4	< 1	0.18	
EPA 14	N	1/8/1996	6,861.80	6.50	7.27	2773	525	103	120	4.7	490	1440	26	< 0.05	24.6	< 1	< 0.1	
EPA 14	N	4/9/1996	6,861.20	6.80	7.75	2825	551	109	121	5.1	516	1468	30	0.12	23.9	< 1	< 0.1	
EPA 14	N	7/17/1996	6,861.00	6.50	6.91	2907	532	116	132	5.6	498	1616	35	0.13	23.8	< 1	< 0.1	
EPA 14	N	10/8/1996	6,861.10	6.50	7.24	2900	610	143	137	5.9	511	1589	33	0.11	23.9	< 1	< 0.1	
EPA 14	N	1/28/1997	6,861.60	6.50	7.71	3200	580	170	120	5.51	459	1927	48	0.05	26.7	< 1	< 0.1	
EPA 14	N	4/14/1997	6,861.90	6.50	7.45	3000	641	134	124	5.6	584	1612	42.3	0.06	22.9	1	< 0.1	
EPA 14	N	7/14/1997	6,858.50	6.50	7.35	3160	632	148	116	5.7	627	1640	48.9	0.08	25.7	< 1	< 0.1	
EPA 14	N	10/14/1997	6,859.10	6.60	7.75	3280	677	165	127	6.1	616	1750	60.5	0.13	26.2	< 1	< 0.1	
EPA 14	N	1/19/1998	6,863.50	6.30	7.66	3720	600	234	147	7.7	442	2150	52.8	0.4	33.2	< 1	< 0.1	
EPA 14	N	4/13/1998	6,858.00	6.70	7.36	3310	682	157	121	6	688	1630	53.3	0.11	26.4	< 1	< 0.1	
EPA 14	N	7/13/1998	6,857.40	6.70	7.62	3560	664	164	132	7	715	1600	56.9	0.11	25.2	< 1	< 0.1	
EPA 14	N	10/13/1998	6,861.20	6.66	8.17	3810	626	247	149	7.9	527	2120	54.8	0.34	29.8	< 1	< 0.1	
EPA 14	N	1/12/1999	6,858.10	6.70	7.72	3690	622	212	124	6.7	570	1900	56.2	0.44	28.1	< 1	< 0.1	
EPA 14	N	4/13/1999	6,857.80	6.60	7.93	3690	656	191	130	7.7	647	1820	70.2	1.08	33.9	< 1	< 0.1	

TABLE B.1
Zone 3 Data Summary, 1989-2011
United Nuclear Corporation, Church Rock Site, Church Rock, New Mexico

Location ID	Desc	Sample Date	As	Be	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
			mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
NRC Standard			0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
EPA Standard			0.05	0.017	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 14	N	7/28/1989	< 0.001	< 0.05	< 0.01	0.04	< 0.05	0.63	< 0.1	0.05	< 0.001	< 0.1	0.0166	3	3.4	6.4	< 0.2	< 1	3.2
EPA 14	N	10/8/1989	< 0.001	< 0.05	< 0.01	0.04	< 0.05	0.7	0.02	0.07	< 0.001	< 0.1	0.014	2.5	3.2	5.7	< 0.2	7.1	2.8
EPA 14	N	1/17/1990	< 0.001	< 0.05	< 0.01	0.01	< 0.05	0.89	< 0.1	< 0.05	< 0.001	< 0.1	0.019	2.7	< 1	2.7	2.9	2.2	5.1
EPA 14	N	4/18/1990	< 0.001	< 0.05	< 0.01	< 0.01	< 0.05	0.56	< 0.1	0.07	< 0.001	< 0.1	0.022	1.9	3	4.9	< 0.2	< 1	2.4
EPA 14	N	7/12/1990	< 0.001	< 0.05	< 0.01	0.02	< 0.05	0.61	0.13	< 0.05	< 0.001	< 0.1	0.0223	1.4	1.9	3.3	< 0.2	4.6	2
EPA 14	N	10/10/1990	< 0.001	< 0.05	< 0.01	0.05	< 0.05	0.71	< 0.1	0.08	< 0.001	< 0.1	0.0323	2.8	3.7	6.5	< 0.2	< 1	4
EPA 14	N	1/8/1991	< 0.001	< 0.01	< 0.01	0.03	< 0.05	0.71	< 0.1	0.08	0.001	< 0.1	0.0312	2.4	< 1	2.4	< 0.2	< 1	2
EPA 14	N	4/16/1991	< 0.001	< 0.01	< 0.01	0.04	< 0.05	0.7	< 0.1	0.06	< 0.001	< 0.1	0.018	1.3	< 1	1.3	< 0.2	< 1	1
EPA 14	N	7/3/1991	< 0.001	< 0.01	< 0.01	0.05	< 0.05	0.75	< 0.1	0.07	< 0.001	< 0.1	0.0108	2.3	3.5	5.8	< 0.2	< 1	2
EPA 14	N	10/22/1991	< 0.001	< 0.01	< 0.01	0.03	< 0.05	0.73	< 0.1	< 0.05	< 0.001	< 0.1	0.0332	1.6	< 1	1.6	< 0.2	1.3	2
EPA 14	N	1/23/1992	< 0.001	< 0.01	< 0.01	0.03	< 0.05	0.81	< 0.1	< 0.05	0.001	< 0.1	0.01	2.5	1.2	3.7	< 0.2	3.3	3
EPA 14	N	4/2/1992	< 0.001	< 0.01	< 0.01	0.04	< 0.05	0.91	< 0.1	0.06	0.015	< 0.1	0.007	1.6	< 1	1.6	< 0.2	< 1	1.9
EPA 14	N	7/16/1992	< 0.001	< 0.01	< 0.01	0.02	< 0.05	0.71	< 0.1	< 0.05	0.001	< 0.1	0.028	3.6	2.9	6.5	< 0.2	< 1	3.8
EPA 14	N	10/15/1992	< 0.001	< 0.01	< 0.01	0.03	< 0.05	0.87	< 0.1	0.07	< 0.001	< 0.1	0.009	2.8	3.5	6.3	< 0.2	1.7	2.6
EPA 14	N	1/14/1993	0.002	< 0.01	< 0.01	0.04	< 0.05	0.42	< 0.1	0.11	< 0.001	< 0.1	0.009	3.3	3	6.3	< 0.2	< 1	3.6
EPA 14	N	4/15/1993	< 0.001	< 0.001	< 0.01	0.03	< 0.05	0.82	< 0.1	< 0.05	< 0.001	< 0.1	0.017	1.6	4.6	6.2	< 0.2	< 1	2.1
EPA 14	N	7/20/1993	< 0.001	< 0.01	< 0.01	0.01	< 0.05	0.55	0.22	< 0.05	< 0.001	< 0.1	0.054	2.6	3.5	6.1	< 0.2	< 1	2.9
EPA 14	N	10/11/1993	< 0.001	< 0.01	< 0.01	0.02	< 0.05	0.74	< 0.1	< 0.05	0.001	< 0.1	0.023	2.9	2.2	5.1	< 0.2	< 1	6.2
EPA 14	N	1/11/1994	< 0.001	< 0.01	< 0.01	0.03	< 0.05	1.18	< 0.1	< 0.05	< 0.001	< 0.1	0.014	2.7	5.8	8.5	< 0.2	< 1	12.4
EPA 14	N	4/19/1994	< 0.001	< 0.01	< 0.01	0.06	< 0.05	0.92	0.16	< 0.05	< 0.001	< 0.1	0.037	2.9	3	5.9	< 0.2	< 1	7.6
EPA 14	N	7/26/1994	< 0.001	< 0.01	< 0.01	0.02	< 0.05	1.1	0.21	< 0.05	0.011	< 0.1	0.036	3.1	< 1	3.1	< 0.2	< 1	7.3
EPA 14	N	10/11/1994	< 0.001	< 0.01	< 0.01	0.05	< 0.05	1.26	0.11	< 0.05	< 0.001	< 0.1	0.033	2.3	1	3.3	< 0.2	1.7	3.9
EPA 14	N	1/10/1995	< 0.001	< 0.01	< 0.01	0.06	< 0.05	2.34	< 0.1	< 0.05	< 0.001	< 0.1	0.008	4.1	4	8.1	< 0.2	1.1	10.3
EPA 14	N	4/10/1995	< 0.001	< 0.01	< 0.01	0.07	< 0.05	2.59	< 0.1	< 0.05	< 0.001	< 0.1	0.005	2.6	5.2	7.8	< 0.2	< 1	10.4
EPA 14	N	7/10/1995	< 0.001	< 0.01	< 0.01	0.01	< 0.05	1.05	0.19	< 0.05	< 0.001	< 0.1	0.064	2.3	2.6	4.9	< 0.2	< 1	7.9
EPA 14	N	10/9/1995	0.001	< 0.01	< 0.01	< 0.01	< 0.05	1.33	0.16	< 0.05	0.003	< 0.1	0.064	3.7	< 1	3.7	< 0.2	< 1	8.4
EPA 14	N	1/8/1996	< 0.001	< 0.01	< 0.01	0.01	< 0.05	1.15	< 0.1	< 0.05	< 0.001	< 0.1	0.081	3.2	2.3	5.5	< 0.2	1.8	2.6
EPA 14	N	4/9/1996	< 0.001	< 0.01	< 0.01	< 0.01	< 0.05	1.26	0.18	< 0.05	< 0.001	< 0.1	0.083	3.4	2.5	5.9	< 0.2	< 1	3.9
EPA 14	N	7/17/1996	< 0.001	< 0.01	< 0.01	0.02	< 0.05	1.44	0.18	< 0.05	< 0.001	< 0.1	0.09	3.4	< 1	3.4	< 0.2	< 1	3.5
EPA 14	N	10/8/1996	< 0.001	< 0.01	< 0.01	0.02	< 0.05	1.52	0.18	< 0.05	< 0.001	< 0.1	0.075	2.5	8	10.5	< 0.2	< 1	1.9
EPA 14	N	1/28/1997	< 0.001	< 0.01	< 0.01	0.03	< 0.05	1.87	0.13	< 0.05	0.003	< 0.1	0.054	2.8	3.4	6.2	< 0.2	< 1	4.2
EPA 14	N	4/14/1997	< 0.001	< 0.01	< 0.01	< 0.01	< 0.05	1.49	0.18	< 0.05	< 0.001	< 0.1	0.09	6.7	5.4	12.1	< 0.2	< 1	3.6
EPA 14	N	7/14/1997	0.001	< 0.01	< 0.01	< 0.01	< 0.05	1.54	0.15	< 0.05	< 0.001	< 0.1	0.088	3.1	5	8.1	< 0.2	< 1	3
EPA 14	N	10/14/1997	< 0.001	< 0.01	< 0.01	0.02	< 0.05	2.05	0.2	< 0.05	< 0.001	< 0.1	0.101	2.4	5.8	8.2	< 0.2	< 1	3.5
EPA 14	N	1/19/1998	< 0.001	< 0.01	< 0.005	0.07	< 0.05	3.21	0.13	0.06	< 0.001	< 0.1	0.075	5.1	5	10.1	< 0.2	< 1	3.9
EPA 14	N	4/13/1998	< 0.001	< 0.01	< 0.005	0.01	< 0.05	1.92	0.18	< 0.05	< 0.001	< 0.1	0.121	3.8	3.4	7.2	< 0.2	< 1	6
EPA 14	N	7/13/1998	< 0.001	< 0.01	< 0.005	< 0.01	< 0.05	2.2	0.16	< 0.05	< 0.001	< 0.1	0.12	3.9	5.4	9.3	< 0.2	< 1	2.9
EPA 14	N	10/13/1998	< 0.001	< 0.01	< 0.005	0.06	< 0.05	2.86	0.12	0.08	< 0.001	< 0.1	0.0906	3.8	4.7	8.5	< 0.2	< 1	4.4
EPA 14	N	1/12/1999	< 0.001	< 0.01	< 0.005	0.02	< 0.05	2.58	0.11	< 0.05	< 0.001	< 0.1	0.111	5.2	5.6	10.8	< 0.2	3.6	3.6
EPA 14	N	4/13/1999	0.002	< 0.01	0.005	0.03	< 0.05	2.83	0.15	< 0.05	< 0.001	< 0.1	0.11	7.8	9.4	17.2	< 0.2	< 1	10.8

TABLE B.1
Zone 3 Data Summary, 1989-2011
United Nuclear Corporation, Church Rock Site, Church Rock, New Mexico

Location ID	Desc	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	TTHMs (Chloroform)	Al
			ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NRC Standard			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA
EPA Standard			NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5
EPA 14	N	7/20/1999	6,857.41	6.20	7.94	3730	683	217	124	9.6	667	1900	70	2.07	31.3	< 1	< 0.1
EPA 14	N	10/12/1999	6,857.40	6.54	7.68	3700	669	191	122	7.9	746	1630	71.2	2.01	32.3	< 1	< 0.1
EPA 14	N	1/11/2000	6,857.10	6.50	7.73	3790	599	211	121	8.6	650	1820	60.9	1.85	32.4	< 1	0.17
EPA 14	N	5/2/2000	6,857.40	6.40	7.56	3800	590	200	126	8.6	627	1880	60.5	1.83	34.4	< 1	8.3
EPA 14	N	7/12/2000	6,859.30	6.94	7.11	4410	563	368	161	8.65	239	2560	53.1	0.56	23	< 1	11.6
EPA 14	N	10/9/2000	6,861.00	7.09	7.26	4440	543	423	163	9.5	153	3210	44.2	0.35	19.3	< 1	8.13
EPA 14	N	1/15/2001	6,860.50	6.08	6.55	4550	507	379	155	9.3	113	3110	55.2	0.23	19.9	< 1	23.7
EPA 14	N	4/2/2001	6,860.70	5.90	6.89	4570	570	439	153	8.3	104	2990	52.6	0.43	18.1	< 1	13
EPA 14	N	7/10/2001	6,860.40	5.79	4.10	6810	491	476	201	7.1	< 0.1	4080	78.7	91.3	15.7	< 1	188
EPA 14	N	10/8/2001	6,860.35	6.60	6.60	4780	480	390	145	9.1	83.6	2500	62	0.4	14	< 1	16.6
EPA 14	N	1/9/2002	6,860.20	7.36	6.70	4680	532	414	139	11	83	2970	74	0.6	13.6	< 1	36.2
EPA 14	N	4/3/2002	6,860.40	5.97	7.46	4800	566	434	171	10.5	79.9	3190	61.6	0.7	13.3	< 1	18.6
EPA 14	N	7/16/2002	6,859.80	5.92	7.04	4830	606	466	160	9.4	95.8	3390	50.6	1.96	14	< 1	19.2
EPA 14	N	10/14/2002	6,859.40	6.82	7.30	4160	560	425	165	9.6	130	3080	52.2	2.85	13.9	< 1	21.6
EPA 14	N	1/7/2003	6,858.66	6.91	6.88	4730	452	347	147	8.8	140	2410	41.9	3.25	14.9	< 1	26
EPA 14	N	4/8/2003	6,858.37	5.90	6.79	4800	516	397	184	12.4	132	3020	55.1	2.65	14.1	< 1	19.4
EPA 14	N	7/8/2003	6,858.13	5.90	6.82	4840	575	401	172	10.8	113	3000	54.5	4.5	14.1	< 1	< 0.1
EPA 14	N	10/13/2003	6,857.56	5.94	7.07	4740	556	434	174	10.1	104	3150	52.9	3.17	15.7	< 1	54.4
EPA 14	N	1/12/2004	6,857.21	6.24	6.98	4760	756	437	175	10.2	95.3	1490	62.3	3.58	16.4 D	< 1.0	143
EPA 14	N	4/6/2004	6,856.84	6.12	6.09	12200	675	402	159	10.6	148	2340 D	61.1	5.2 D	17.6 D	< 1	287
EPA 14	R	4/13/2004	no data	no data	6.14	4500	660	399	172	10.9	135	2090 D	61.3	3	18.1 D	no data	245
EPA 14	F	4/13/2004	no data	no data	6.66	4780	556	395	128	8.1	165	2910 D	45	3.15	16.9 D	no data	0.2
EPA 14	N	7/13/2004	6,856.29	6.00	5.70	4500	637	369	177	10.7	162	2850 D	64	6.67	21.3 D	< 1.0	595 D
EPA 14	N	10/5/2004	6,856.01	5.92	6.16	5170	743 D	437 D	181	15.9	188	2800 D	71	40 D	19.0 D	< 1.0	552
EPA 14	N	1/10/2005	6,856.11	6.19	6.41	4750	599 D	390 D	172	10.4	149	3010 D	59	10.7	18.0 D	< 1.0	442
EPA 14	N	4/11/2005	6,854.48	no data	6.21	4570	617	398	176	10.5	168	3050	62	7.9	19.4	< 1.0	105
EPA 14	N	7/18/2005	6,853.66	5.94	6.33	4390	604 D	377 D	173	10.2	145	2860 D	57	6.2 D	23.5 D	< 1.0	75.8
EPA 14	N	10/10/2005	6,853.01	6.33	6.40	4820	594 D	427 D	171	11.1	134	3020 D	60	10.5 D	21.1 D	< 1.0	57.9
EPA 14	N	1/16/2006	6,852.62	5.95	6.19	4900	568 D	453 D	189	12.3	92	3320 D	64	35 D	17.2 D	< 1.0	304
EPA 14	N	4/10/2006	6,853.48	4.90	4.99	5390	573 D	455 D	171	13.2	21	3710 D	82	50.6 D	16.8 D	< 1.0	44.3
EPA 14	N	7/18/2006	6,851.96	4.50	4.71	5320	506 D	478 D	182 D	13.8 D	12	3820 D	74	64.4 D	20.5 D	< 1.0	69.1
EPA 14	N	10/10/2006	6,851.39	4.48	4.56	5670	496	500 D	177	15.2	< 1	3800 D	70	73 D	25.6 D	0.93	102
EPA 14	N	1/23/2007	6,850.61	4.61	4.48	5790	501 D	501 D	180	14.5	< 1	3740 D	72	62.5 D	21.2 D	5.52	64.2
EPA 14	N	4/10/2007	6,850.35	4.53	4.38	5960	500 D	516 D	176	14.3	2	3950 D	76	67 D	27 D	4.44	66.3
EPA 14	N	7/16/2007	6,849.86	4.31	4.34	5860	523 D	562 D	173	12.3	< 1	4280 D	70	70.2 D	32 D	3.3	102
EPA 14	N	10/9/2007	6,849.38	4.31	4.36	6420	483 D	558 D	174	11.3	< 1	4220 D	79	74.9 D	24 D	2.29	121
EPA 14	N	1/22/2008	6,848.85	4.3	4.4	6680	440 D	563 D	179	12.8	< 1	4400 D	98	94.6 D	24.6	2.87	163
EPA 14	N	4/15/2008	6,848.61	4.2	4.07	6650	482	615	187 D	12.6	< 1	5260 D	77	91.2 D	27.9	3	137
EPA 14	N	7/15/2008	6,848.11	4.27	4.25	6740	457	566	174 D	13	< 1	4520 D	58	78.9 D	19.3	3.07	177
EPA 14	N	10/14/2008	6,847.51	4.20	4.27	6690	478	553	182 D	14	< 1	4740 D	76	75.9 D	17.8	3	119

TABLE B.1
Zone 3 Data Summary, 1989-2011
United Nuclear Corporation, Church Rock Site, Church Rock, New Mexico

Location ID	Desc	Sample Date	As	Be	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
			mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
NRC Standard			0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
EPA Standard			0.05	0.017	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 14	N	7/20/1999	0.004	< 0.01	< 0.005	0.03	< 0.05	2.24	0.14	< 0.05	< 0.001	< 0.1	0.114	5.1	6.8	11.9	< 0.2	< 1	6.7
EPA 14	N	10/12/1999	< 0.001	< 0.01	< 0.005	0.02	< 0.05	2.86	0.15	< 0.05	< 0.001	< 0.1	0.127	3.5	7.1	10.6	< 0.2	< 1	5.2
EPA 14	N	1/11/2000	< 0.001	< 0.01	< 0.005	0.04	< 0.05	2.96	0.18	0.08	0.001	< 0.1	0.104	5.1	7.8	12.9	< 0.2	< 1	7.6
EPA 14	N	5/2/2000	< 0.001	< 0.01	0.014	0.05	< 0.05	3.24	0.2	< 0.05	< 0.001	< 0.1	0.12	8	11.1	19.1	2	< 1	6.5
EPA 14	N	7/12/2000	0.002	< 0.01	< 0.005	0.18	< 0.05	4.36	< 0.1	0.15	< 0.001	< 0.1	0.053	3.8	5.9	9.7	< 0.2	< 1	5.4
EPA 14	N	10/9/2000	< 0.001	< 0.01	0.008	0.18	< 0.05	3.96	< 0.1	0.15	< 0.001	< 0.1	0.0435	3.9	6.9	10.8	< 0.2	< 1	10.3
EPA 14	N	1/15/2001	< 0.001	0.01	0.008	0.23	< 0.05	4.65	< 0.1	0.24	< 0.001	< 0.1	0.049	5.2	< 1	5.2	< 0.2	< 1	4.5
EPA 14	N	4/2/2001	< 0.001	0.01	0.008	0.26	< 0.05	4.68	< 0.1	0.27	< 0.001	< 0.1	0.037	4.2	6.4	10.6	< 0.2	< 1	5.1
EPA 14	N	7/10/2001	< 0.001	0.08	0.014	0.56	< 0.05	16.5	< 0.1	0.54	0.001	1	0.491	5	5.3	10.3	150	< 1	13.3
EPA 14	N	10/8/2001	< 0.001	< 0.01	0.009	0.2	< 0.05	3.99	< 0.1	0.2	< 0.001	< 0.1	0.0432	3.9	7	10.9	< 0.2	< 1	6.6
EPA 14	N	1/9/2002	< 0.001	0.02	0.011	0.23	< 0.05	4.84	< 0.1	0.27	< 0.001	< 0.1	0.0598	5	8.4	13.4	< 0.2	< 1	5.6
EPA 14	N	4/3/2002	< 0.001	0.01	0.01	0.25	< 0.05	5.4	< 0.1	0.25	< 0.001	< 0.1	0.0334	4.6	7.3	11.9	< 0.2	< 1	8.1
EPA 14	N	7/16/2002	< 0.001	0.01	0.008	0.2	< 0.05	4.54	< 0.1	0.22	< 0.001	< 0.1	0.0387	4.3	11.7	16	< 0.2	< 1	7.1
EPA 14	N	10/14/2002	< 0.001	0.02	0.006	0.17	< 0.05	4.78	< 0.1	0.19	< 0.001	< 0.1	0.0558	4.8	5	9.8	< 0.2	< 1	7.2
EPA 14	N	1/7/2003	< 0.001	0.02	0.001	0.19	< 0.05	5.4	< 0.1	0.21	< 0.001	< 0.1	0.0599	4.6	5.5	10.1	< 0.2	< 1	9.2
EPA 14	N	4/8/2003	< 0.001	0.01	0.008	0.19	< 0.05	5.26	< 0.1	0.21	< 0.001	< 0.1	0.049	4.6	7.5	12.1	< 0.2	< 1	10.1
EPA 14	N	7/8/2003	< 0.001	< 0.01	0.007	0.2	< 0.05	5.43	< 0.1	0.25	< 0.001	< 0.1	2.31	55.5	7.7	63.2	< 0.2	< 1	90.2
EPA 14	N	10/13/2003	< 0.001	0.07	0.015	0.22	< 0.05	5.72	< 0.1	0.24	< 0.001	< 0.1	0.275	144	8.2	152.2	< 0.2	< 1	99.5
EPA 14	N	1/12/2004	0.006	0.28	0.018	0.23	0.1	6.53	< 0.1	0.29	0.003	< 0.1	1.10 D	118	49.5	167.5	< 0.2	32	254
EPA 14	N	4/6/2004	< 0.001	0.37	0.018	0.23	0.18	6.92	< 0.1	0.29	0.001	< 0.1	1.27 D	141	64.4	205.4	< 0.2	90	78.4
EPA 14	R	4/13/2004	0.046	0.42	0.01	0.19	0.23	6.03	< 0.1	0.31	0.02	< 0.1	0.893 D	82.6	13.4	96	< 0.2	40	160
EPA 14	F	4/13/2004	< 0.001	< 0.01	0.005	0.14	< 0.05	5.8	< 0.1	0.17	< 0.001	< 0.1	0.0289 D	17.1	9.7	26.8	< 0.2	< 1	34.5
EPA 14	N	7/13/2004	< 0.001	0.44	< 0.005	0.1	0.11	5.74	< 0.1	0.13	0.001	< 0.1	0.517 D	39.9	23.8	63.7	< 0.2	< 1.0	46.9
EPA 14	N	10/5/2004	< 0.001	0.68	0.044 D	0.24	0.29	12.4	< 0.1	0.34	< 0.001	< 0.1	1.05 D	51.1	30.4	81.5	< 0.2	86	120
EPA 14	N	1/10/2005	0.01	0.24	0.005	0.14	0.08	5.97	< 0.1	0.19	0.002	< 0.1	0.514 D	21.4	13.5	34.9	< 0.2	22	72.7
EPA 14	N	4/11/2005	0.003	0.05	< 0.005	0.1	< 0.05	6.42	< 0.1	0.13	< 0.001	< 0.1	0.111	16.6	10.5	27.1	< 0.2	< 1.0	19.7
EPA 14	N	7/18/2005	0.005	0.04	< 0.005	0.08	< 0.05	6.41	< 0.1	0.12	< 0.001	< 0.1	0.0841 D	14.3	12.1	26.4	< 0.2	< 1.0	26.6
EPA 14	N	10/10/2005	0.004	0.03	< 0.005	0.1	< 0.05	7.25	< 0.1	0.12	< 0.001	< 0.1	0.0538	16.2	13.2	29.4	< 0.2	< 1.0	25.1
EPA 14	N	1/16/2006	0.02	0.15	0.01	0.21	< 0.05	9.02	0.1	0.28	0.003	< 0.1	0.174 D	36	15.2	51.2	< 0.2	19	66.1
EPA 14	N	4/10/2006	< 0.001	0.04	0.009	0.41	< 0.05	12.5	< 0.1	0.41	< 0.001	< 0.1	0.0272	20.9	20.9	41.8	< 0.2	< 1.0	24.2
EPA 14	N	7/18/2006	< 0.001	0.05	0.011	0.61	< 0.05	16.6	< 0.1	0.55	< 0.001	< 0.1	0.0298	27.6	21.5	49.1	< 0.2	< 1.0	33.6
EPA 14	N	10/10/2006	0.002	0.06	0.012	0.66	< 0.05	18.2	< 0.1	0.58	< 0.001	< 0.1	0.0251	20	29.1	49.1	< 0.2	< 1	25.5
EPA 14	N	1/23/2007	< 0.001	0.05	0.012	0.63	< 0.05	17.7	< 0.1	0.56	< 0.001	< 0.1	0.0161	16.5	23.2	39.7	< 0.2	< 1	18.2
EPA 14	N	4/10/2007	< 0.001	0.05	0.012	0.76	< 0.05	16.9	< 0.1	0.67	< 0.001	< 0.1	0.0113	16.7	32.7	49.4	< 0.2	< 1	35.2
EPA 14	N	7/16/2007	0.002	0.06	0.012	0.72	< 0.05	15.8	< 0.1	0.76	< 0.001	< 0.1	0.0103	16.8	36.8	53.6	< 0.2	< 1	22.4
EPA 14	N	10/9/2007	< 0.001	0.07	0.01	0.78	< 0.05	17.3	< 0.1	0.76	< 0.001	< 0.1	0.0108	13.8	35.4	49.2	< 0.2	< 1	26.9
EPA 14	N	1/22/2008	< 0.001	0.09	0.015	0.9	< 0.05	20.4	< 0.1	0.87	< 0.001	< 0.1	0.014	20.9	52.3	73.2	< 0.2	4.8	27.7
EPA 14	N	4/15/2008	< 0.001	0.09	0.011	0.95 D	< 0.05	22	< 0.1	0.89	< 0.001	0.2	0.0141	17.2	56.1	73.3	0.3	-2.2 U	25.9
EPA 14	N	7/15/2008	< 0.003	0.08	0.016	1.01	< 0.05	23.1	< 0.1	0.99	< 0.001	< 0.1	0.0133	14	32	46	0.3	5.5 U	23
EPA 14	N	10/14/2008	< 0.001	0.08	0.014	0.96	< 0.05	21.2	< 0.1	0.87	< 0.001	< 0.1	0.0138	13	22	35	0.3	4.5 U	32.2

TABLE B.1
Zone 3 Data Summary, 1989-2011
United Nuclear Corporation, Church Rock Site, Church Rock, New Mexico

Location ID	Desc	Sample Date	Water Elevation ft amsl	Field pH SU	Lab pH SU	Lab TDS mg/l	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	HCO3 mg/l	SO4 mg/l	Chl mg/l	NH4 as N mg/l	NO3 as N mg/l	TTHMs (Chloroform) ug/l	AI mg/l
NRC Standard			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA
EPA Standard			NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5
EPA 14	N	1/13/2009	6,847.61	4.28	4.28	6620	441	522	188	10	<1	3600 D	56	78 D	20.6	<0.5	124
EPA 14	N	4/7/2009	6,847.36	4.38	4.34	5480	474 D	478 D	180 D	11	<1	3950 D	46	44.4 D	7.9	1.19	52.2
EPA 14	N	7/7/2009	6,847.16	4.07	4.22	6190	482	503	172	11	<1	4130 D	67	50 D	15.5 D	0.5	94.2
EPA 14	N	10/6/2009	6,846.61	4.42	4.36	5610	533 D	469	170 D	12	<1	4110 D	71	41.4 D	6.2	1.24	50.5 D
EPA 14	N	1/5/2010	6,846.66	4.3	4.4	6180 D	477 D	506	186	12	<5	4300 D	60	42.9 D	15.8 D	1.36	70.7
EPA 14	N	4/6/2010	6,846.31	4.36	4.18	5960 D	527 D	564	199 D	13	<5	4220 D	62	48.8 D	17.0 D	0.66	96.8
EPA 14	N	7/13/2010	6,845.71	4.17	4.35	6410 D	486 D	569	176 D	11	<5	4660 D	60 D	46 D	20 D	1.7	113
EPA 14	N	10/5/2010	6,846.11	4.26	4.33	6610 D	474	556	176	12	<5	4450 D	58 D	44 D	22 D	1.01	105
EPA 14	N	1/5/2011	6845.61	4.56	4.33	6240 D	479	568	174	12	<5	4620 D	65 D	50 D	21 D	2.24	105
EPA 14	N	4/6/2011	6845.41	4.37	4.38	6560 D	477	576	187	12	<5	4930 D	66 D	50 D	30 D	2.05	124
EPA 14	N	7/12/2011	6845.03	4.26	4.2	6610 D	496	592	188	11	<5	4880 D	68 D	47 D	28 D	1.02	138
EPA 14	N	10/4/2011	6844.71	4.36	4.4	6180 D	477	568	176	11	<5	4950 D	67 D	42.3 D	25 D	1.3	116
EPA 15	N	7/29/1989	6,890.20	6.50	6.35	2567	432	145	119	4.8	288	1487	18.4	0.09	13.2	< 1	< 0.1
EPA 15	N	10/8/1989	6,883.50	6.00	6.58	2244	380	120	110	7	302	1319	15	0.1	7.4	< 1	< 0.1
EPA 15	N	1/16/1990	6,881.50	5.90	6.48	2524	369	139	116	5.75	302	1499	18.3	0.19	5.9	< 1	< 0.1
EPA 15	N	4/18/1990	6,880.30	6.10	6.56	2532	381	140	117	5.6	322	1419	17.6	0.21	7.8	< 1	< 0.1
EPA 15	N	7/10/1990	6,879.10	6.20	6.60	2586	392	146	113	5.1	311	1475	18.6	0.07	8.92	< 1	< 0.1
EPA 15	N	10/10/1990	6,879.80	6.40	6.75	2548	374	143	118	6	303	1412	18.5	0.11	9.55	< 1	< 0.1
EPA 15	N	1/10/1991	6,878.80	6.30	7.05	2359	397	142	113	7.1	316	1347	19.1	0.07	10.4	< 1	< 0.1
EPA 15	N	4/16/1991	6,879.20	6.20	7.08	2429	382	135	130	6.1	336	1360	18.8	0.1	16.1	< 1	< 0.1
EPA 15	N	7/3/1991	6,876.00	6.40	6.86	2548	384	149	114	5.2	325	1565	21.9	0.11	15.6	< 1	< 0.1
EPA 15	N	10/23/1991	6,871.10	6.20	7.03	2873	401	176	134	6	278	1789	31.6	0.44	24.8	< 1	< 0.1
EPA 15	N	1/23/1992	6,873.50	6.10	6.93	2603	368	175	122	6.3	292	1588	21.2	0.19	11.1	< 1	< 0.1
EPA 15	N	4/2/1992	6,873.80	6.10	7.60	2809	413	209	166	8.4	312	1753	23.7	0.31	15	< 1	< 0.1
EPA 15	N	7/16/1992	6,866.90	6.10	6.84	3214	462	262	156	7.8	246	2206	32.5	0.37	12.7	< 1	< 0.1
EPA 15	N	10/15/1992	6,866.20	6.00	6.61	4002	525	263	167	10	237	2451	32.6	0.27	17.3	< 1	< 0.1
EPA 15	N	1/13/1993	6,869.00	6.20	6.75	2950	459	181	124	8.2	287	1748	26.8	0.19	11	< 1	< 0.1
EPA 15	N	4/15/1993	6,869.40	6.30	6.94	2816	471	150	132	5	322	1666	23.6	0.15	13.3	< 1	< 0.1
EPA 15	N	7/20/1993	6,864.60	6.30	6.93	3326	542	240	142	8.2	287	2133	30.8	0.06	27.5	< 1	< 0.1
EPA 15	N	10/12/1993	6,860.70	6.40	6.34	4110	578	306	158	9	212	2766	41.3	1.27	17	< 1	< 0.1
EPA 15	N	1/11/1994	6,864.20	6.50	7.00	3001	499	187	128	5.7	288	1774	28.5	< 0.05	12.8	< 1	< 0.1
EPA 15	N	4/19/1994	6,863.90	6.40	6.63	2537	411	137	125	5.8	296	1537	22.6	0.19	9.5	< 1	< 0.1
EPA 15	N	7/26/1994	6,862.20	6.20	7.43	4123	627	284	139	7.1	265	2390	31	0.46	33.2	< 1	< 0.1
EPA 15	N	10/11/1994	6,861.60	6.10	6.94	4502	640	342	163	9.6	214	3049	39	3.12	31.5	< 1	0.3
EPA 15	N	1/10/1995	6,861.70	6.10	7.09	4144	665	204	133	8.5	244	2567	36.5	1	37.2	< 1	< 0.1
EPA 15	N	4/11/1995	6,861.90	6.40	6.51	4187	674	302	136	7.6	262	2542	19.9	1.09	44.4	< 1	< 0.1
EPA 15	N	7/11/1995	6,860.30	5.60	5.87	4169	585	359	144	9.9	24.5	2833	44.5	0.78	29.5	< 1	5.65
EPA 15	N	10/10/1995	6,859.70	5.50	5.82	4153	585	370	162	10.6	23.2	2961	40	5.86	24.3	1.56	5.67
EPA 15	N	1/8/1996	6,858.50	5.30	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
EPA 17	N	7/20/1989	6,886.60	6.40	6.11	6709	501	785	167	13.3	159	4674	35.6	1.22	0.13	< 1	0.18

TABLE B.1
Zone 3 Data Summary, 1989-2011
United Nuclear Corporation, Church Rock Site, Church Rock, New Mexico

Location ID	Desc	Sample Date	As	Be	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
			mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
NRC Standard			0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
EPA Standard			0.05	0.017	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 14	N	1/13/2009	<0.001	0.08	0.01	0.98	<0.05	20.1	<0.1	0.83	<0.001	<0.1	0.0137	12	24	36	0.6 U	0 U	23.6
EPA 14	N	4/7/2009	<0.001	0.04	0.008	0.63	<0.05	16.9	<0.1	0.56	<0.001	<0.1	0.0089 D	6.7	13	19.7	0.5 U	-1 U	14.2
EPA 14	N	7/7/2009	<0.001	0.07	0.01	0.66	<0.05	15.6	<0.1	0.65	<0.001	<0.1	0.0116	9.2	23	32.2	0.4 U	4.2	19.9
EPA 14	N	10/6/2009	<0.001	<0.08	0.007	0.53	<0.05	15.7 D	<0.1	0.5	<0.001	<0.1	0.0068	6.5	13	19.5	-0.1 U	-0.3 U	17.3
EPA 14	N	1/5/2010	<0.001	0.06	0.008	0.77	<0.05	15.6	<0.1	0.72	<0.001	<0.1	0.0115	9.3	23	32.3	0.08 U	0.8 U	14.2
EPA 14	N	4/6/2010	<0.001	0.07	0.011	0.77	<0.05	15.5	<0.1	0.69	<0.001	<0.1	0.0155	9.5	19	28.5	0.04 U	-1 U	14.9
EPA 14	N	7/13/2010	<0.001	0.08	0.011	0.84	<0.05	15	<0.1	0.76	<0.001	<0.1	0.0134	11	20	31	0.2 U	2.6	15.8
EPA 14	N	10/5/2010	0.001	0.13	0.008	0.94	<0.05	17.1	<0.1	0.86	<0.001	<0.1	0.0156	6.8	20	26.8	0.2 U	3.3	37.6
EPA 14	N	1/5/2011	<0.001	0.09	0.008	0.92	<0.05	17.2	<0.1	0.81	<0.001	<0.1	0.0186	10	16	26	0.2 U	2	22.1
EPA 14	N	4/6/2011	<0.001	0.12	0.012	0.94	<0.05	18	<0.1	0.84	<0.001	<0.1	0.0233	6.2	17	23.2	0.2 U	2.4	11.2
EPA 14	N	7/12/2011	<0.001	0.12	0.009	0.9	<0.05	19.2	<0.1	0.83	<0.001	<0.1	0.0181	6.1	14	20.1	0.5 U	2.2	32.4
EPA 14	N	10/4/2011	<0.001	0.11	0.01	0.96	<0.05	18.4	<0.1	0.84	<0.001	<0.1	0.0156	6.4	1.4	7.8	0.5 U	2.2	7.8
EPA 15	N	7/29/1989	<0.001	<0.05	<0.01	<0.01	<0.05	1.3	0.5	<0.05	0.001	<0.1	0.0408	2.8	4.6	7.4	<0.2	1.3	2.2
EPA 15	N	10/8/1989	<0.001	<0.05	<0.01	<0.01	<0.05	1	<0.43	<0.05	<0.001	<0.1	0.066	6.6	<1	6.6	57	1.1	69
EPA 15	N	1/16/1990	<0.001	<0.05	<0.01	0.01	<0.05	1.6	0.37	<0.05	<0.001	<0.1	0.037	1.7	3.2	4.9	0.2	<1	1.7
EPA 15	N	4/18/1990	0.001	<0.05	<0.01	<0.01	0.08	1.5	0.42	<0.05	<0.001	<0.1	0.039	2.1	4.3	6.4	<0.2	<1	2.9
EPA 15	N	7/10/1990	<0.001	<0.05	<0.01	0.04	<0.05	1.39	0.34	<0.05	<0.001	<0.1	0.074	2.3	2.1	4.4	<0.2	<1	2.8
EPA 15	N	10/10/1990	<0.001	<0.05	<0.01	0.03	<0.05	1.45	0.3	<0.05	<0.001	<0.1	0.0618	2.1	1.1	3.2	<0.2	<1	2
EPA 15	N	1/10/1991	<0.001	<0.01	<0.01	0.02	<0.05	1.19	0.33	<0.05	0.001	<0.1	0.0554	1.8	1.7	3.5	<0.2	<1	2.1
EPA 15	N	4/16/1991	<0.001	<0.01	<0.01	0.02	<0.05	1.15	0.43	<0.05	<0.001	<0.1	0.078	2.9	<1	2.9	<0.2	<1	3
EPA 15	N	7/3/1991	<0.001	<0.01	<0.01	0.03	<0.05	1.55	0.42	<0.05	0.001	<0.1	0.128	2.1	3.9	6	<0.2	<1	2
EPA 15	N	10/23/1991	<0.001	<0.01	<0.01	0.02	<0.05	2.06	0.34	0.07	<0.001	<0.1	0.1015	2.1	6.3	8.4	<0.2	<1	<1
EPA 15	N	1/23/1992	<0.001	<0.01	<0.01	0.01	<0.05	2.39	<0.56	<0.05	0.001	<0.1	0.065	1.6	1.8	3.4	<0.2	1.4	2
EPA 15	N	4/2/1992	<0.001	<0.01	<0.01	0.01	<0.05	2.24	0.58	<0.05	0.001	<0.1	0.066	2	4.1	6.1	<0.2	<1	2.1
EPA 15	N	7/16/1992	0.002	<0.01	<0.01	0.02	<0.05	2.98	0.35	<0.05	<0.001	<0.1	0.034	4.6	8.8	13.4	<0.2	<1	4.9
EPA 15	N	10/15/1992	0.003	<0.01	<0.01	0.02	<0.05	3.68	0.59	0.06	<0.001	<0.1	0.014	4.9	3.9	8.8	<0.2	<1	5.2
EPA 15	N	1/13/1993	<0.001	<0.01	<0.01	0.02	<0.05	2.56	0.72	<0.05	<0.001	<0.1	0.064	2	4.5	6.5	<0.2	<1	2.7
EPA 15	N	4/15/1993	0.001	<0.01	<0.01	0.03	<0.05	1.97	0.62	<0.05	<0.001	<0.1	0.099	1.8	4.3	6.1	<0.2	<1	2
EPA 15	N	7/20/1993	0.001	<0.01	<0.01	0.02	<0.05	2.62	1.13	<0.05	0.002	<0.1	0.061	3	4.9	7.9	<0.2	<1	3.6
EPA 15	N	10/12/1993	<0.001	<0.01	<0.01	0.02	<0.05	4.18	<0.1	<0.05	0.001	<0.1	0.03	6.4	5.5	11.9	<0.2	1.4	8
EPA 15	N	1/11/1994	<0.001	<0.01	<0.01	<0.01	<0.05	2.21	1.21	<0.05	<0.001	<0.1	0.074	3.3	5.2	8.5	<0.2	<1	12.1
EPA 15	N	4/19/1994	0.002	<0.01	<0.01	0.05	<0.05	1.16	1.2	<0.05	0.001	<0.1	0.121	3.1	5	8.1	<0.2	<1	10.8
EPA 15	N	7/26/1994	<0.001	<0.01	<0.01	<0.01	<0.05	2.82	0.93	<0.05	0.009	<0.1	0.05	4.6	8.2	12.8	<0.2	1.8	17.1
EPA 15	N	10/11/1994	<0.001	<0.01	<0.01	0.07	<0.05	4.42	0.75	<0.05	<0.001	<0.1	0.029	7.7	4.5	12.2	<0.2	3.8	14.7
EPA 15	N	1/10/1995	<0.001	<0.01	<0.01	0.02	<0.05	3.08	0.81	<0.05	<0.001	<0.1	0.045	6	3.8	9.8	<0.2	<1	11.9
EPA 15	N	4/11/1995	<0.001	<0.01	<0.01	<0.01	<0.05	3.08	0.67	<0.05	<0.001	<0.1	0.038	4.3	5.6	9.9	<0.2	<1	12.7
EPA 15	N	7/11/1995	<0.001	<0.01	<0.01	0.2	<0.05	7.18	0.65	0.19	<0.001	<0.1	0.012	11.6	22.2	33.8	<0.2	<1	29.5
EPA 15	N	10/10/1995	0.001	<0.01	<0.01	0.17	<0.05	7.13	1.05	0.16	0.01	<0.1	0.0087	12.6	8.1	20.7	<0.2	<1	19.8
EPA 15	N	1/8/1996	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
EPA 17	N	7/20/1989	0.224	<0.05	<0.01	0.08	<0.05	6.9	1.2	0.24	<0.001	<0.1	0.053	3.4	3.4	6.8	18.4	1.2	14.4

TABLE B.1
Zone 3 Data Summary, 1989-2011
United Nuclear Corporation, Church Rock Site, Church Rock, New Mexico

Location ID	Desc	Sample Date	Water Elevation ft amsl	Field pH SU	Lab pH SU	Lab TDS mg/l	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	HCO3 mg/l	SO4 mg/l	Chl mg/l	NH4 as N mg/l	NO3 as N mg/l	TTHMs (Chloroform) ug/l	AI mg/l
NRC Standard			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA
EPA Standard			NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5
EPA 17	N	10/8/1989	6,887.00	6.40	6.50	6714	491	829	160	12	154	4526	35.3	0.59	0.06	< 1	< 0.1
EPA 17	N	1/10/1990	6,886.30	6.30	6.48	6822	491	844	158	13.1	162	4440	34.3	0.57	0.14	< 1	0.16
EPA 17	N	4/10/1990	6,886.20	6.30	6.30	6855	495	830	153	12.4	151	4333	33.9	0.67	0.21	< 1	< 0.1
EPA 17	N	7/10/1990	6,886.00	6.10	6.50	6930	493	807	154	13.8	159	4467	33.6	0.29	0.53	< 1	0.14
EPA 17	N	10/9/1990	6,885.90	6.30	6.77	6854	465	812	162	13.4	135	4232	32.2	0.22	0.07	< 1	< 0.1
EPA 17	N	1/11/1991	6,885.60	6.20	6.30	6678	511	795	160	14.6	122	4489	36.9	0.57	0.14	< 1	< 0.1
EPA 17	N	4/10/1991	6,885.40	6.30	6.90	6751	545	758	156	12.3	143	4007	34.8	0.45	0.11	< 1	0.36
EPA 17	N	7/9/1991	6,885.10	6.30	6.46	6742	563	712	139	10.9	112	4385	33.5	0.68	< 0.01	< 1	0.26
EPA 17	N	10/17/1991	6,885.00	6.20	6.86	6749	514	676	155	14.1	159	4151	33.5	0.33	0.08	< 1	0.13
EPA 17	N	1/21/1992	6,884.70	6.30	6.66	6718	473	769	145	11.5	159	4556	37.5	0.33	< 0.1	< 1	< 0.1
EPA 17	N	4/14/1992	6,884.50	6.40	7.72	5908	441	528	157	12.5	255	3632	34.3	0.5	< 0.1	< 1	< 0.1
EPA 18	N	7/25/1989	6,884.40	5.70	5.46	5818	543	608	132	11.6	44	3974	27.1	0.46	0.08	< 1	< 0.1
EPA 18	N	10/4/1989	6,884.10	5.30	5.97	5742	513	604	113	12.6	49	3746	27.5	0.43	0.01	< 1	< 0.1
EPA 18	N	1/16/1990	6,883.30	5.20	5.46	5514	468	549	123	11.1	19.5	3654	25.4	0.5	0.06	< 1	< 0.1
EPA 18	N	4/17/1990	6,882.70	5.20	5.26	5585	464	520	122	10.5	10.2	3582	27	0.49	0.16	< 1	< 0.1
EPA 18	N	7/17/1990	6,881.90	5.40	5.68	5902	543	608	124	31.8	31.5	3513	26.4	0.27	0.07	< 1	0.2
EPA 18	N	10/16/1990	6,881.30	5.40	5.93	5925	508	588	139	11	26	3880	32.2	0.39	0.04	< 1	0.1
EPA 18	N	1/8/1991	6,880.60	5.10	5.25	5905	518	647	129	18	12	3917	28.3	0.53	< 0.01	< 1	0.61
EPA 18	N	4/16/1991	6,880.30	5.00	5.50	5946	551	712	144	10.6	10	3916	34.1	0.48	< 0.01	< 1	< 0.1
EPA 18	N	7/3/1991	6,879.90	5.30	5.97	6159	577	698	129	9.4	36	4215	15.8	0.64	0.01	< 1	0.66
EPA 18	N	10/22/1991	6,879.60	5.40	5.81	6202	484	722	139	10.6	69	4235	38.3	0.61	0.02	< 1	0.34
EPA 18	N	1/22/1992	6,879.00	5.60	6.00	6396	484	657	135	10.4	36.8	4267	29.4	0.61	< 0.01	< 1	0.27
EPA 18	N	4/2/1992	6,878.80	5.50	7.16	5799	508	660	167	13.1	75.1	4351	38.3	0.67	< 0.01	< 1	< 0.1
EPA 18	N	7/15/1992	6,877.70	5.50	6.09	6375	492	686	131	11.5	8	4196	29.7	0.25	0.1	< 1	< 0.1
EPA 18	N	10/14/1992	6,877.20	5.30	5.38	6100	480	624	132	11.3	12.2	4126	30.5	0.32	< 0.1	< 1	0.18
EPA 18	N	1/14/1993	6,877.90	5.20	5.74	5947	455	609	137	9.9	16.8	4187	30.9	0.69	< 0.1	< 1	< 0.1
EPA 18	N	4/15/1993	6,877.80	5.30	5.79	6132	414	694	152	9.8	18.1	3999	31.2	0.51	0.2	< 1	< 0.1
EPA 18	N	7/20/1993	6,876.50	5.30	5.75	5982	489	705	147	10.4	12.3	4215	31.9	0.32	< 0.1	< 1	< 0.1
EPA 18	N	10/12/1993	6,873.80	5.80	5.44	5825	473	690	135	10.5	18	4264	28.9	0.39	< 0.1	< 1	< 0.1
EPA 18	N	1/11/1994	6,875.60	5.70	6.22	6038	453	707	134	10.2	20.3	4228	29.5	0.46	< 0.1	< 1	< 0.1
EPA 18	N	4/20/1994	6,874.90	5.50	6.00	5622	458	683	125	9.8	15.3	4196	33	1.09	< 0.1	< 1	< 0.1
EPA 18	N	7/26/1994	6,875.90	5.70	6.69	5618	525	682	149	11.3	17.7	4106	30.7	0.46	< 0.1	< 1	< 0.1
EPA 18	N	10/11/1994	6,874.50	5.80	6.55	6374	456	764	157	11.4	22.4	4604	33.7	0.75	< 0.1	< 1	< 0.1
NBL-01	N	8/15/2001	6,820.10	6.61	6.90	3220	550	162	116	6.83	343	1730	36.8	0.41	< 0.1	< 1	< 0.1
NBL-01	N	10/3/2001	6,819.89	6.70	7.50	3160	550	150	100	7	346	1680	40	0.29	< 0.1	< 1	< 0.1
NBL-01	N	1/7/2002	6,819.70	7.25	7.00	3110	564	158	115	7	342	1840	36	0.26	< 0.1	< 1	< 0.1
NBL-01	N	4/17/2002	6,819.90	6.25	7.66	3220	542	167	113	6.8	336	1780	37.9	0.29	< 0.1	< 1	< 0.1
NBL-01	N	7/15/2002	6,819.65	6.65	7.68	3310	516	185	123	7.1	339	1810	26	0.43	< 0.1	< 1	< 0.1
NBL-01	N	10/15/2002	6,819.54	7.18	7.48	3120	631	176	121	6.3	330	2070	31.4	0.45	< 0.1	< 1	< 0.1
NBL-01	N	1/15/2003	6,819.49	6.43	7.29	3290	620	178	101	5.1	335	1930	20.1	0.47	< 0.1	< 1	< 0.1

TABLE B.1
Zone 3 Data Summary, 1989-2011
United Nuclear Corporation, Church Rock Site, Church Rock, New Mexico

Location ID	Desc	Sample Date	As	Be	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
			mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
NRC Standard			0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
EPA Standard			0.05	0.017	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 17	N	10/8/1989	0.253	< 0.05	< 0.01	0.07	< 0.05	6.7	0.83	0.21	< 0.001	< 0.1	0.076	1.1	2.7	3.8	< 0.2	< 1	3
EPA 17	N	1/10/1990	0.133	< 0.05	< 0.01	0.12	< 0.05	5.9	0.46	0.24	< 0.001	< 0.1	0.046	1.9	3.1	5	< 0.2	< 1	2.3
EPA 17	N	4/10/1990	0.14	< 0.05	0.02	0.13	no data	6.7	0.32	0.17	< 0.001	< 0.1	0.048	2.4	3.5	5.9	< 0.2	< 1	3.4
EPA 17	N	7/10/1990	0.019	< 0.05	< 0.01	0.07	< 0.05	6.77	0.22	0.25	< 0.001	< 0.1	0.045	2.5	3.7	6.2	< 0.2	< 1	2.9
EPA 17	N	10/9/1990	0.054	< 0.05	< 0.01	0.09	< 0.05	6.63	0.2	0.23	< 0.001	< 0.1	0.0332	2.2	7.6	9.8	< 0.2	< 1	2
EPA 17	N	1/11/1991	0.022	< 0.01	< 0.01	0.12	< 0.05	7.5	< 0.1	0.29	< 0.001	< 0.1	0.0134	3.4	3.9	7.3	< 0.2	< 1	3.8
EPA 17	N	4/10/1991	0.007	< 0.01	< 0.01	0.12	< 0.05	6.6	0.12	0.29	< 0.001	< 0.1	0.0147	3.2	< 1	3.2	< 0.2	< 1	3
EPA 17	N	7/9/1991	0.002	< 0.01	< 0.01	0.08	< 0.05	6.15	< 0.1	0.17	< 0.001	< 0.1	0.0151	1.8	< 5.3	1.8	< 0.2	< 1	2
EPA 17	N	10/17/1991	0.003	< 0.01	< 0.01	0.09	< 0.05	5.98	< 0.1	0.22	< 0.001	< 0.1	0.0132	2	< 1	2	< 0.2	< 1	2
EPA 17	N	1/21/1992	0.005	< 0.01	< 0.01	0.08	< 0.05	5.42	0.1	0.17	0.001	< 0.1	0.023	1.3	< 1	1.3	< 0.2	1.2	1
EPA 17	N	4/14/1992	0.022	< 0.01	< 0.01	0.05	< 0.05	5.08	0.37	0.15	0.002	< 0.1	0.041	1.2	8.3	9.5	< 0.2	< 1	1.2
EPA 18	N	7/25/1989	0.008	< 0.05	< 0.01	0.19	< 0.05	6.7	0.05	0.23	< 0.001	< 0.1	0.031	7.3	5.3	12.6	6.1	< 1	8
EPA 18	N	10/4/1989	0.006	< 0.05	< 0.01	0.21	< 0.05	7	< 0.01	0.27	< 0.001	< 0.1	0.037	5.6	6.9	12.5	0.3	2.1	6.2
EPA 18	N	1/16/1990	0.004	< 0.05	< 0.01	0.2	< 0.05	7.5	< 0.1	0.3	< 0.001	< 0.1	0.019	4.5	7.7	12.2	0.7	< 1	5.3
EPA 18	N	4/17/1990	0.002	< 0.05	< 0.01	0.2	< 0.05	6.3	< 0.1	0.27	< 0.001	< 0.1	0.019	7.1	5.4	12.5	< 0.2	1.2	7.6
EPA 18	N	7/17/1990	0.012	< 0.05	< 0.01	0.17	< 0.05	6.09	0.12	0.28	< 0.001	< 0.1	0.0824	4.2	3.4	7.6	< 0.2	< 1	4
EPA 18	N	10/16/1990	0.015	< 0.05	< 0.01	0.19	< 0.05	6.49	< 0.1	0.27	< 0.001	< 0.1	0.0577	6.3	12.1	18.4	< 0.2	1.4	6
EPA 18	N	1/8/1991	0.001	< 0.01	< 0.01	0.21	< 0.05	6.89	< 0.1	0.27	< 0.001	< 0.1	0.0357	6.4	7.6	14	< 0.2	< 1	6
EPA 18	N	4/16/1991	0.001	< 0.01	< 0.01	0.17	< 0.05	6.13	< 0.1	0.22	< 0.001	< 0.1	0.031	5.5	9.6	15.1	< 0.2	2.5	6
EPA 18	N	7/3/1991	0.024	< 0.01	< 0.01	0.14	< 0.05	6.62	0.1	0.2	< 0.001	< 0.1	0.07	4.2	8.2	12.4	< 0.2	< 1	4
EPA 18	N	10/22/1991	0.019	< 0.01	< 0.01	0.13	< 0.05	7.44	< 0.1	0.21	< 0.001	< 0.1	0.0005	4.6	< 1	4.6	< 0.2	< 1	5
EPA 18	N	1/22/1992	0.014	< 0.01	< 0.01	0.1	< 0.05	6.15	< 0.1	0.17	< 0.001	< 0.1	0.086	7.9	6.8	14.7	< 0.2	< 1	8
EPA 18	N	4/2/1992	0.014	< 0.01	< 0.01	0.13	< 0.05	7.16	0.1	0.26	< 0.001	< 0.1	0.078	4.9	10.3	15.2	< 0.2	< 1	4.7
EPA 18	N	7/15/1992	0.003	< 0.01	< 0.01	0.12	< 0.05	6.45	< 0.1	0.19	< 0.001	< 0.1	0.064	4.3	9.8	14.1	< 0.2	1	5
EPA 18	N	10/14/1992	0.002	< 0.01	< 0.01	0.15	< 0.05	5.97	< 0.1	0.24	< 0.001	< 0.1	0.081	5.5	10.2	15.7	< 0.2	1.8	5.8
EPA 18	N	1/14/1993	< 0.001	< 0.01	< 0.01	0.16	< 0.05	7.66	< 0.1	0.32	< 0.001	< 0.1	0.038	6.6	11.5	18.1	< 0.2	< 1	6.8
EPA 18	N	4/15/1993	0.001	< 0.01	< 0.01	0.16	< 0.05	6.91	< 0.1	0.26	< 0.001	< 0.1	0.058	4.1	9	13.1	< 0.2	< 1	4.5
EPA 18	N	7/20/1993	< 0.001	< 0.01	< 0.01	0.18	< 0.05	6.51	< 0.1	0.31	< 0.001	< 0.1	0.045	6.4	12.6	19	< 0.2	< 1	7.9
EPA 18	N	10/12/1993	< 0.001	< 0.01	< 0.01	0.14	< 0.05	6.57	< 0.1	0.24	< 0.001	< 0.1	0.058	7	7.8	14.8	< 0.2	1.8	7
EPA 18	N	1/11/1994	< 0.001	< 0.01	< 0.01	0.12	< 0.05	6.7	< 0.1	0.28	< 0.001	< 0.1	0.041	6.2	12.3	18.5	< 0.2	< 1	25.6
EPA 18	N	4/20/1994	< 0.001	< 0.01	< 0.01	0.12	< 0.05	5.69	< 0.1	0.27	< 0.001	< 0.1	0.023	5.1	6.8	11.9	< 0.2	< 1	15.5
EPA 18	N	7/26/1994	< 0.001	< 0.01	< 0.01	0.15	< 0.05	6.64	< 0.1	0.23	< 0.001	< 0.1	0.012	6	13.5	19.5	< 0.2	< 1	26.4
EPA 18	N	10/11/1994	< 0.001	< 0.01	< 0.01	0.08	< 0.05	5.3	< 0.1	0.16	< 0.001	< 0.1	0.008	5.9	4.4	10.3	< 0.2	3.4	12.7
NBL-01	N	8/15/2001	0.57	< 0.01	< 0.005	0.05	< 0.05	1.47	2.62	0.19	< 0.001	< 0.1	0.294	7.3	7	14.3	< 0.2	< 1	8.1
NBL-01	N	10/3/2001	0.714	< 0.01	< 0.005	0.05	< 0.05	1.59	2.86	0.08	< 0.001	< 0.1	0.276	7	5.2	12.2	< 0.2	< 1	6.3
NBL-01	N	1/7/2002	0.613	< 0.01	< 0.005	0.05	< 0.05	1.59	3.2	0.11	< 0.001	< 0.1	0.245	6	4.5	10.5	< 0.2	< 1	5.8
NBL-01	N	4/17/2002	0.768	< 0.01	< 0.005	0.05	< 0.05	1.68	3.2	0.09	< 0.001	< 0.1	0.287	5.8	5.3	11.1	0.5	< 1	7.8
NBL-01	N	7/15/2002	0.728	< 0.01	< 0.005	0.05	< 0.05	1.78	2.8	0.09	< 0.001	< 0.1	0.261	4.5	4.5	9	< 0.2	< 1	5.4
NBL-01	N	10/15/2002	0.776	< 0.01	< 0.005	0.06	< 0.05	2.01	2.2	0.1	< 0.001	< 0.1	0.251	6.4	3.1	9.5	< 0.2	< 1	5.6
NBL-01	N	1/15/2003	0.955	< 0.01	< 0.005	0.07	< 0.05	2.04	2.5	0.1	< 0.001	< 0.1	0.256	6.9	5.4	12.3	< 0.2	< 1	7.9

TABLE B.1
Zone 3 Data Summary, 1989-2011
United Nuclear Corporation, Church Rock Site, Church Rock, New Mexico

Location ID	Desc	Sample Date	Water Elevation ft amsl	Field pH SU	Lab pH SU	Lab TDS mg/l	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	HCO3 mg/l	SO4 mg/l	Chl mg/l	NH4 as N mg/l	NO3 as N mg/l	TTHMs (Chloroform) ug/l	Al mg/l
NRC Standard			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA
EPA Standard			NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5
NBL-01	N	4/14/2003	6,819.35	6.87	7.14	3360	566	168	125	7.6	338	1960	35	0.48	< 0.1	< 1	< 0.1
NBL-01	N	7/14/2003	6,819.01	6.29	7.40	3460	598	170	119	7.5	334	1880	32.2	0.45	< 0.1	< 1	< 0.1
NBL-01	N	10/13/2003	6,818.89	6.37	7.21	3480	567	170	128	6.7	332	1940	27.7	0.42	< 0.1	< 1	0.3
NBL-01	N	1/13/2004	6,818.51	6.50	7.30	3610	665	201	118	8.6	333	2200	38.8	0.47	< 0.10	< 1.0	< 0.1
NBL-01	N	4/12/2004	6,818.46	6.34	6.70	3690	658	203	122	8	308	2340	36.5	0.51	< 0.1	< 1	< 0.1
NBL-01	N	7/19/2004	6,818.09	6.45	6.37	3900	702 D	224 D	141	7	267	2380 D	35	0.47	< 0.10	< 1.0	< 0.1
NBL-01	N	10/11/2004	6,817.97	6.47	6.85	4000	616 D	234 D	141	7.1	242	2340 D	36	0.38	< 0.10	< 1.0	< 0.1
NBL-01	N	1/10/2005	6,817.55	6.27	6.75	4110	650 D	262 D	128	7.2	218	2500 D	36	0.37	< 0.1	< 1.0	< 0.1
NBL-01	N	4/12/2005	6,816.96	6.31	6.55	3980	652	294	141	7.4	169	2740	36	0.82	< 0.1	< 1.0	< 0.1
NBL-01	N	7/18/2005	6,816.06	5.88	6.70	4170	628 D	301 D	138	7.1	129	2630 D	35	0.54	< 0.1	< 1.0	< 0.1
NBL-01	N	10/10/2005	6,814.93	6.26	6.69	4090	613 D	319 D	133	7.3	122	2640 D	34	0.52	< 0.1	< 1.0	< 0.1
NBL-01	N	1/16/2006	6,813.81	6.47	7.52	3970	533 D	271 D	121	7.6	122	2350 D	34	0.76	< 0.1	< 1.0	< 0.1
NBL-01	N	4/10/2006	6,813.01	6.10	6.38	4050	639 D	316 D	122	8.8	119	2780 D	43	0.78	3.9	< 1.0	< 0.1
NBL-01	N	7/24/2006	6,812.34	6.06	6.40	3980	622 D	309 D	139	9.5	117	2760 D	44	1.35	< 0.1	< 1.0	< 0.1
NBL-01	N	10/9/2006	6,811.92	6.21	6.56	4050	629 D	316 D	138	11.4	181	2680 D	43	3.04	0.1	< 0.5	< 0.1
NBL-01	N	1/16/2007	6,811.24	6.36	6.90	4390	615 D	304 D	139	13.3	217	2690 D	53	5.3 D	0.2	< 0.5	0.1
NBL-01	N	4/17/2007	6,810.72	6.18	6.60	4250	619 D	313 D	133	14.1	222	2800 D	56	9.3 D	0.3	< 0.5	< 0.1
NBL-01	N	7/17/2007	6,810.19	6.40	6.93	4140	632 D	289 D	148	15.4	207	2780 D	54	8.8 D	0.6	< 0.5	0.3
NBL-01	N	10/9/2007	6,809.65	6.20	6.53	4290	623 D	280 D	142	13.6	220	2660 D	50	7.1 D	< 0.1	< 0.5	0.6
NBL-01	N	1/22/2008	6,809.00	5.88	5.92	4070	568 D	252 D	121	15.7	113	2630 D	57 D	8.43	0.4	< 0.5	2.8
NBL-01	N	4/15/2008	6,808.74	5.83	4.85	4030	617	270	141 D	13.6	8	2760 D	48	3.88	< 0.1	< 0.50	2.5
NBL-01	N	7/15/2008	6,808.14	6.33	6.66	4040	543	245	135 D	12	246	2490 D	50	4.25	< 0.1	< 0.5	0.1
NBL-01	N	10/14/2008	6,806.89	6.31	6.49	4010	569	255	138 D	13	253	2640 D	51	4.5 D	< 0.1	< 0.5	0.7
NBL-01	N	1/20/2009	6,809.46	6.24	7.38	4060	591	263	150	12	266	2290 D	35	1.99	< 0.1	< 0.5	0.2
NBL-01	N	4/14/2009	6,809.46	6.8	6.95	3910	553 D	246 D	138 D	11	260	2420 D	78	5.93	< 0.1	< 0.50	< 0.8
NBL-01	N	7/14/2009	6,808.18	7.16	7.49	4220	613	253	140	13	172	2510 D	54	4.43	< 0.1	< 0.50	1.5 D
NBL-01	N	10/13/2009	6,807.65	5.65	6.26	4330 H	618	274	142	13	65	2950 D	49	6.7 D	< 0.1	< 0.50	0.5
NBL-01	N	1/12/2010	6,807.41	6.31	6.27	4320 D	644 D	272	142 D	15	33	3080 D	44	12.6 D	0.13	< 0.50	7
NBL-01	N	4/13/2010	6,807.11	5.4	4.86	4590 D	574	254	144	13	< 5	3100 D	44	7.1 D	0.2	< 0.50	28.5
NBL-01	N	7/20/2010	6,806.72	4.46	3.18	4470 D	579	274	133	11	< 5	3080 D	37 D	4.9 D	< 0.1	< 0.50	12.1
NBL-01	N	10/12/2010	6,806.47	2.97	3.14	4250 D	572	254	143	11	< 5	2980 D	34 D	5.1 D	< 0.1	< 0.50	27.8
NBL-01	N	1/11/2011	no data	no data	4.81	3790	568	258	127	11	< 5	2730 D	36 D	4.8 D	< 0.1	3.44	13
NBL-01	DUP	1/11/2011	6806.108	5.81	7.04	4170 D	576	262	128	10	97	2850 D	37 D	3.8	< 0.1	< 0.50	7.1
NBL-01	N	4/11/2011	6805.758	5.71	6.07	4790 D	604	283	143	12	69	3000 DH	34 D	3.84	< 0.1	< 0.50	2.3
NBL-01	DUP	4/12/2011	6805.908	5.68	3.82	4220 D	594	278	141	12	< 5	3060 D	34 D	4.03	< 0.1	< 0.50	4.4
NBL-01	N	7/19/2011	6805.428	5.47	3.33	4180 D	585	297	136	11	< 5	3090 D	32 D	3.6 D	< 0.5	< 0.50	4.6
NBL-01	N	10/11/2011	6805.158	2.88	3.03	4170 D	585	316	138	11	< 5	3340 D	32 D	3.1 D	< 0.5	< 0.50	5.9
NBL-02	N	1/22/2008	6,820.46	6.69	6.84	3410	649 D	156	133	8.1	321	2100 D	42	0.07	14.5	< 0.5	< 0.1
NBL-02	N	4/15/2008	6,820.31	6.51	6.72	3380	no data	no data	no data	no data	306	no data	35	no data	no data	no data	no data
NBL-02	N	7/15/2008	6,819.56	6.33	6.62	3470	no data	no data	no data	no data	323	no data	35	no data	no data	no data	no data

TABLE B.1
Zone 3 Data Summary, 1989-2011
United Nuclear Corporation, Church Rock Site, Church Rock, New Mexico

Location ID	Desc	Sample Date	As	Be	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
			mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l
NRC Standard			0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
EPA Standard			0.05	0.017	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
NBL-01	N	4/14/2003	0.688	< 0.01	< 0.005	0.07	< 0.05	2.21	2.4	0.1	< 0.001	< 0.1	0.21	6.7	< 1	6.7	< 0.2	< 1	9.4
NBL-01	N	7/14/2003	0.538	< 0.01	< 0.005	0.06	< 0.05	2.11	2.1	0.09	< 0.001	< 0.1	0.186	7	4	11	< 0.2	< 1	5
NBL-01	N	10/13/2003	1.01	< 0.01	< 0.005	0.06	< 0.05	2.13	2.1	0.09	< 0.001	< 0.1	0.209	6.9	3.1	10	< 0.2	< 1	6.5
NBL-01	N	1/13/2004	0.523 D	< 0.01	< 0.005	0.06	< 0.05	2.32	2	< 0.05	< 0.001	< 0.1	0.178 D	6.8	< 1.0	6.8	< 0.2	< 1.0	7.5
NBL-01	N	4/12/2004	0.807 D	< 0.01	< 0.005	0.06	< 0.05	2.39	2	0.1	< 0.001	< 0.1	0.157 D	6.4	4.5	10.9	< 0.2	< 1	7.8
NBL-01	N	7/19/2004	0.940 D	< 0.01	< 0.005	0.08	< 0.05	2.92	1.6	0.1	< 0.001	< 0.1	0.122	7.2	5.9	13.1	< 0.2	< 1.0	7.6
NBL-01	N	10/11/2004	0.889 D	< 0.01	< 0.005	0.09	< 0.05	3.41	1.4	0.15	< 0.001	< 0.1	0.0906	8	4.8	12.8	< 0.2	< 1.0	9.4
NBL-01	N	1/10/2005	2.3 D	< 0.01	< 0.005	0.12	< 0.05	3.73	1.2	0.17	< 0.001	< 0.1	0.0696	6.3	3.3	9.6	< 0.2	< 1.0	5.7
NBL-01	N	4/12/2005	0.63	< 0.01	< 0.005	0.16	< 0.05	4.82	1.2	0.21	< 0.001	< 0.1	0.0423	8.3	3.5	11.8	< 0.2	< 1.0	8.1
NBL-01	N	7/18/2005	0.82 D	< 0.01	< 0.005	0.22	< 0.05	5.06	0.9	0.28	< 0.001	< 0.1	0.0275	8.6	4.6	13.2	< 0.2	< 1.0	9.2
NBL-01	N	10/10/2005	0.06	< 0.01	< 0.005	0.28	< 0.05	5.37	1	0.34	< 0.001	< 0.1	0.0202	9.2	4.7	13.9	< 0.2	< 1.0	10.5
NBL-01	N	1/16/2006	0.37 D	< 0.01	< 0.005	0.26	< 0.05	4.91	0.8	0.36	< 0.001	< 0.1	0.0187	8	8.1	16.1	< 0.2	< 1.0	9.3
NBL-01	N	4/10/2006	0.47 D	< 0.01	< 0.005	0.3	< 0.05	5.5	0.6	0.39	< 0.001	< 0.1	0.0101	9.3	8.6	17.9	< 0.2	< 1.0	13
NBL-01	N	7/24/2006	0.18 D	< 0.01	< 0.005	0.24	< 0.05	5.98	1	0.35	< 0.001	< 0.1	0.0214	8.6	7.3	15.9	< 0.2	< 1.0	9.6
NBL-01	N	10/9/2006	0.72 D	< 0.01	< 0.005	0.21	< 0.05	6.64	2.3	0.3	< 0.001	< 0.1	0.0427	9.7	8.1	17.8	< 0.2	< 1	7.5
NBL-01	N	1/16/2007	0.51 D	< 0.01	< 0.005	0.29	< 0.05	7.63	5	0.3	< 0.001	< 0.1	0.0784	10.8	4.8	15.6	< 0.2	< 1	12.2
NBL-01	N	4/17/2007	0.4 D	< 0.01	< 0.005	0.26	< 0.05	8.09	3.1	0.29	< 0.001	< 0.1	0.0836	10.3	10.4	20.7	< 0.2	< 1	10.1
NBL-01	N	7/17/2007	2.5 D	< 0.01	< 0.005	0.32	< 0.05	7.49	2.6	0.32	< 0.001	< 0.1	0.111	11.3	10.4	21.7	< 0.2	< 1	14.2
NBL-01	N	10/9/2007	0.61 D	< 0.01	< 0.005	0.25	< 0.05	6.97	1.4	0.26	< 0.001	< 0.1	0.0886	10.4	10.4	20.8	< 0.2	< 1	12.4
NBL-01	N	1/22/2008	0.969 D	< 0.01	< 0.005	0.25	< 0.05	7.14	1.9	0.32	0.01	< 0.1	0.138	16.1	10.8	26.9	< 0.2	< 1	16.5
NBL-01	N	4/15/2008	0.18	< 0.01	< 0.005	0.15	< 0.05	6.45	1	0.21	< 0.001	0.1	0.134	7.9	12.9	20.8	0.1 U	-5 U	10
NBL-01	N	7/15/2008	0.052	< 0.01	< 0.005	0.08	< 0.05	6.37	1	0.12	< 0.001	< 0.1	0.126	8.8	11	19.8	0.1 U	1.8 U	10.4
NBL-01	N	10/14/2008	0.056	< 0.01	< 0.005	0.01	< 0.05	2	0.8	< 0.05	< 0.001	< 0.1	0.27	8.3	7.3	15.6	0.2	0.6 U	12.1
NBL-01	N	1/20/2009	0.081	< 0.01	< 0.005	0.11	< 0.05	5.25	0.7	0.15	< 0.001	< 0.1	0.144	9.5	14	23.5	0.5	0.4 U	8.8
NBL-01	N	4/14/2009	0.037	< 0.01	< 0.005	0.11	< 0.05	5.83	0.6	0.15	< 0.001	< 0.1	0.12	8.9	11	19.9	0.03 U	0.1 U	13.4
NBL-01	N	7/14/2009	< 0.001	< 0.01	< 0.005	0.34	< 0.05	7.58	0.5	0.34	< 0.001	< 0.1	0.0944	10	12	22	0.9	1.8 U	14.5
NBL-01	N	10/13/2009	< 0.001	< 0.01	< 0.005	0.41	< 0.05	7.92	1	0.41	< 0.001	< 0.1	0.0708	15	16	31	0.2 U	0.8 U	25.1
NBL-01	N	1/12/2010	0.003 H	< 0.01	< 0.005	0.14	< 0.05	1.59	1	0.14	0.002	< 0.1	0.0213	14	21	35	0.5	1.7 U	17
NBL-01	N	4/13/2010	0.151	0.02	< 0.005	0.76	< 0.05	7.95	2.2	0.75	< 0.001	< 0.1	0.303	16	15	31	3.7	6.6	25.5
NBL-01	N	7/20/2010	0.296	0.01	< 0.005	0.76	< 0.05	7.32	3.1	0.74	< 0.001	< 0.1	0.116	16	10	26	5.7	4.8	22.7
NBL-01	N	10/12/2010	0.149 D	0.02	< 0.005	0.37	< 0.05	5.88	3.8	0.44	< 0.001	< 0.1	0.225	8.8	10	18.8	20.4	13.3	51.6
NBL-01	N	1/11/2011	0.10 D	< 0.01	< 0.005	0.39	< 0.05	6.18	1.7	0.41	< 0.001	< 0.1	0.168	13	13	26	1.9	1.7	14
NBL-01	DUP	1/11/2011	0.19 D	< 0.01	< 0.005	0.46	< 0.05	6.51	1	0.47	< 0.001	< 0.1	0.0952	14	13	27	1.3	1 U	40.6
NBL-01	N	4/11/2011	0.211 D	< 0.01	< 0.005	0.52	< 0.05	6.63	0.5	0.54	< 0.001	< 0.1	0.0465	13	16	29	1.5 U	2	14.2
NBL-01	DUP	4/12/2011	0.194 D	< 0.01	< 0.005	0.57	< 0.05	6.36	0.5	0.56	< 0.001	< 0.1	0.101	14	15	29	0.2 U	2.4	15.9
NBL-01	N	7/19/2011	0.122 D	< 0.01	< 0.005	0.64	< 0.05	6.31	0.2	0.73	< 0.001	< 0.1	0.0568	16	15	31	0.3 U	-0.3 U	16.5
NBL-01	N	10/11/2011	< 0.001	0.01	< 0.005	0.72	0.05	6.96	< 0.1	0.85	< 0.001	< 0.1	0.0379	15	17	32	0.5	1.7	14
NBL-02	N	1/22/2008	< 0.001	< 0.01	< 0.005	0.02	< 0.05	1.02	0.4	< 0.05	< 0.001	< 0.1	0.361	7.6	26.1	33.7	< 0.2	< 1	11.7
NBL-02	N	4/15/2008	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
NBL-02	N	7/15/2008	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data

TABLE B.1
Zone 3 Data Summary, 1989-2011
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Location ID	Desc	Sample Date	Water Elevation ft amsl	Field pH SU	Lab pH SU	Lab TDS mg/l	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	HCO3 mg/l	SO4 mg/l	Chl mg/l	NH4 as N mg/l	NO3 as N mg/l	TTHMs (Chloroform) ug/l	AI mg/l
NRC Standard			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA
EPA Standard			NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5
NBL-02	N	10/14/2008	6,819.03	6.54	6.74	3500	647	180	154 D	7	320	2320 D	39	<0.1	19.9	<0.5	<0.1
NBL-02	N	1/20/2009	6,818.51	6.55	6.97	3660	no data	no data	no data	no data	331	no data	21	no data	no data	no data	no data
NBL-02	N	4/14/2009	6,818.31	6.43	6.51	3630	no data	no data	no data	no data	336	no data	35	no data	no data	no data	no data
NBL-02	N	7/14/2009	6,817.66	7.91	8.07	3480 H	no data	no data	no data	no data	325	no data	38	no data	no data	no data	no data
NBL-02	N	10/13/2009	6,817.26	6.41	7.19	3550 H	620	183	144	7	345	2100 D	49	<0.05	19.4	<0.50	<0.1
NBL-02	N	1/12/2010	6,817.21	6.39	6.72	2990	no data	no data	no data	no data	325	no data	72	no data	no data	no data	no data
NBL-02	N	4/13/2010	6,816.96	6.67	6.73	3600	no data	no data	no data	no data	385	no data	43	no data	no data	no data	no data
NBL-02	N	7/20/2010	6,816.36	6.45	6.84	3580	no data	no data	no data	no data	405	no data	46 D	no data	no data	no data	no data
NBL-02	N	10/12/2010	6,816.06	6.59	7.31	3640	610	184	155	7	411	2140 D	46 D	<0.05	17 D	<0.50	<0.1
NBL-02	N	1/11/2011	no data	6.49	7.4	3450	no data	no data	no data	no data	407	no data	50 D	no data	no data	no data	no data
NBL-02	N	4/12/2011	6815.21	6.68	7	3520	no data	no data	no data	no data	419	no data	51 D	no data	no data	no data	no data
NBL-02	N	7/19/2011	6814.61	6.51	7.69	3500	no data	no data	no data	no data	407	no data	51 D	no data	no data	no data	no data
NBL-02	N	10/10/2011	6814.36	6.8	7.56	3470	609	181	154	8	386	2160 D	53 D	<0.2	12 D	<0.50	<0.1
NW-1	N	7/14/2009	6,800.55	6.25	6.79	4840 H	no data	no data	no data	no data	115	no data	23	no data	no data	no data	no data
NW-1	N	10/13/2009	6,798.30	7.01	6.76 H	4780 H	no data	no data	no data	no data	136	no data	25	no data	no data	no data	no data
NW-1	N	1/13/2010	6,798.86	6.68	6.93	4510 D	no data	no data	no data	no data	122	no data	24	no data	no data	no data	no data
NW-1	N	4/14/2010	6,800.85	5.72	6.18	4480 D	no data	no data	no data	no data	132	no data	24	no data	no data	no data	no data
NW-1	N	7/21/2010	6,798.11	6.12	6.36	4410 D	no data	no data	no data	no data	140	no data	24 D	no data	no data	no data	no data
NW-1	N	10/13/2010	6,797.11	6.17	7.42	4350 D	no data	no data	no data	no data	143	no data	23 D	no data	no data	no data	no data
NW-1	N	1/12/2011	6797.36	6.49	7.26	4460 D	no data	no data	no data	no data	141	no data	26 D	no data	no data	no data	no data
NW-1	N	4/13/2011	6796.46	6.36	6.6	4600 D	no data	no data	no data	no data	153	no data	26 D	no data	no data	no data	no data
NW-1	N	7/20/2011	6798.11	6.64	6.67	4630 D	no data	no data	no data	no data	128	no data	25 D	no data	no data	no data	no data
NW-1	N	10/11/2011	6801.36	6.6	6.99	4090	no data	no data	no data	no data	246	no data	36 D	no data	no data	no data	no data
NW-2	N	7/14/2009	6,805.39	6.15	6.8	4760 H	no data	no data	no data	no data	329	no data	39	no data	no data	no data	no data
NW-2	N	10/13/2009	6,804.01	6.73	7.09 H	3890 H	no data	no data	no data	no data	355	no data	41	no data	no data	no data	no data
NW-2	N	1/13/2010	6,804.66	6.26	6.56	3620	no data	no data	no data	no data	439	no data	47	no data	no data	no data	no data
NW-2	N	4/14/2010	6,804.21	5.96	6.52	3600	no data	no data	no data	no data	450	no data	42	no data	no data	no data	no data
NW-2	N	7/21/2010	6,803.55	6.46	6.61	3720	no data	no data	no data	no data	416	no data	44 D	no data	no data	no data	no data
NW-2	N	10/13/2010	6,801.85	6.5	7.56	3690	no data	no data	no data	no data	449	no data	42 D	no data	no data	no data	no data
NW-2	N	1/12/2011	6802.6	6.65	7.63	3580	no data	no data	no data	no data	386	no data	46 D	no data	no data	no data	no data
NW-2	N	4/13/2011	6800.67	6.52	6.59	3770	no data	no data	no data	no data	388	no data	43 D	no data	no data	no data	no data
NW-2	N	7/20/2011	6800.9	6.84	7.53	3660	no data	no data	no data	no data	378	no data	42 D	no data	no data	no data	no data
NW-2	N	10/11/2011	6801.2	6.53	7.54	3690	no data	no data	no data	no data	337	no data	43 D	no data	no data	no data	no data
NW-3	N	7/14/2009	6,807.82	6.4	6.86	3590 H	no data	no data	no data	no data	486	no data	39	no data	no data	no data	no data
NW-3	N	10/13/2009	6,807.24	6.91	7.28 H	3470 H	no data	no data	no data	no data	501	no data	44	no data	no data	no data	no data
NW-3	N	1/12/2010	6,807.02	6.33	6.73	3530	no data	no data	no data	no data	552	no data	46	no data	no data	no data	no data
NW-3	N	4/14/2010	6,806.57	6.22	6.75	3730	no data	no data	no data	no data	646	no data	51	no data	no data	no data	no data
NW-3	N	7/21/2010	6,806.19	6.69	6.8	3810	no data	no data	no data	no data	630	no data	53 D	no data	no data	no data	no data
NW-3	N	10/13/2010	6,805.75	6.49	7.42	3830	no data	no data	no data	no data	577	no data	52 D	no data	no data	no data	no data
NW-3	N	1/12/2011	6804.94	6.83	7.6	3790	no data	no data	no data	no data	534	no data	53 D	no data	no data	no data	no data

United Nuclear Corporation, Church Rock Site, Church Rock, New Mexico

Location ID	Desc	Sample Date	As	Be	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha		
			mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
			NRC Standard		0.05	0.05	0.01	NA	0.05	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15	
EPA Standard			0.05	0.017	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15		
NBL-02	N	10/14/2008	<0.001	<0.01	<0.005	0.04	<0.05	1.29	0.3	0.06	<0.001	<0.1	0.296	7.4	9.1	16.5	-0.4 U	-2 U	9.6		
NBL-02	N	1/20/2009	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NBL-02	N	4/14/2009	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NBL-02	N	7/14/2009	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NBL-02	N	10/13/2009	<0.001	<0.01	<0.005	0.04	<0.05	1.38	0.3	0.05	<0.001	<0.1	0.206	6.4	11	17.4	-0.02 U	0.5 U	7.2		
NBL-02	N	1/12/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NBL-02	N	4/13/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NBL-02	N	7/20/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NBL-02	N	10/12/2010	<0.001	<0.01	<0.005	0.04	<0.05	1.34	0.2	<0.05	<0.001	<0.1	0.18	4.8	7.7	12.5	0.03 U	-0.8 U	7.2		
NBL-02	N	1/11/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NBL-02	N	4/12/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NBL-02	N	7/19/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NBL-02	N	10/10/2011	0.004	<0.01	<0.005	0.04	<0.05	1.5	0.1	<0.05	<0.001	<0.1	0.167	5.6	8.2	13.8	0.09 U	-0.6 U	5.5		
NW-1	N	7/14/2009	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NW-1	N	10/13/2009	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NW-1	N	1/13/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NW-1	N	4/14/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NW-1	N	7/21/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NW-1	N	10/13/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NW-1	N	1/12/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NW-1	N	4/13/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NW-1	N	7/20/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NW-1	N	10/11/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NW-2	N	7/14/2009	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NW-2	N	10/13/2009	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NW-2	N	1/13/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NW-2	N	4/14/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NW-2	N	7/21/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NW-2	N	10/13/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NW-2	N	1/12/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NW-2	N	4/13/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NW-2	N	7/20/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NW-2	N	10/11/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NW-3	N	7/14/2009	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NW-3	N	10/13/2009	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NW-3	N	1/12/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NW-3	N	4/14/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NW-3	N	7/21/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NW-3	N	10/13/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		
NW-3	N	1/12/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data		

TABLE B.1
Zone 3 Data Summary, 1989-2011
United Nuclear Corporation, Church Rock Site, Church Rock, New Mexico

Location ID	Desc	Sample Date	Water Elevation ft amsl	Field pH SU	Lab pH SU	Lab TDS mg/l	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	HCO3 mg/l	SO4 mg/l	Chl mg/l	NH4 as N mg/l	NO3 as N mg/l	TTHMs (Chloroform) ug/l	AI mg/l
NRC Standard			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA
EPA Standard			NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5
NW-3	N	4/13/2011	6805.14	6.85	6.94	3850	no data	no data	no data	no data	490	no data	50 D	no data	no data	no data	no data
NW-3	N	7/20/2011	6804.79	6.5	7.28	3760	no data	no data	no data	no data	426	no data	50 D	no data	no data	no data	no data
NW-3	N	10/11/2011	6804.19	6.98	7.31	3750	no data	no data	no data	no data	375	no data	47 D	no data	no data	no data	no data
NW-4	N	7/14/2009	6,805.53	6.64	6.87	3910 H	no data	no data	no data	no data	202	no data	30	no data	no data	no data	no data
NW-4	N	10/13/2009	6,804.55	6.59	6.89 H	4680 H	no data	no data	no data	no data	226	no data	32	no data	no data	no data	no data
NW-4	N	1/13/2010	6,796.18	6.1	6.25	4440 D	no data	no data	no data	no data	174	no data	28	no data	no data	no data	no data
NW-4	N	4/14/2010	6,803.28	5.76	6.19	4320 D	no data	no data	no data	no data	185	no data	28	no data	no data	no data	no data
NW-4	N	7/21/2010	6,799.41	6.17	6.34	4440 D	no data	no data	no data	no data	183	no data	28 D	no data	no data	no data	no data
NW-4	N	10/13/2010	6,800.01	6.12	6.29	4240 D	no data	no data	no data	no data	175	no data	27 D	no data	no data	no data	no data
NW-4	N	1/12/2011	6789.76	6.2	6.38	4280 D	no data	no data	no data	no data	163	no data	29 D	no data	no data	no data	no data
NW-4	N	4/13/2011	6791.85	6.2	6.32	4510 D	no data	no data	no data	no data	152	no data	31 D	no data	no data	no data	no data
NW-4	N	7/20/2011	6798.66	6.81	7.17	4420 D	no data	no data	no data	no data	148	no data	29 D	no data	no data	no data	no data
NW-4	N	10/11/2011	6801.01	6.3	7.17	4470 D	no data	no data	no data	no data	150	no data	29 D	no data	no data	no data	no data
NW-5	N	7/14/2009	6,808.35	6.3	6.76	3590 H	no data	no data	no data	no data	590	no data	53	no data	no data	no data	no data
NW-5	N	10/13/2009	6,807.70	7.15	7.45 H	3630 H	no data	no data	no data	no data	612	no data	58	no data	no data	no data	no data
NW-5	N	1/12/2010	6,807.30	6.35	6.8	3600	no data	no data	no data	no data	639	no data	55	no data	no data	no data	no data
NW-5	N	4/14/2010	6,807.15	6.32	6.78	3530	no data	no data	no data	no data	659	no data	54	no data	no data	no data	no data
NW-5	N	7/21/2010	6,806.36	6.71	6.86	3670	no data	no data	no data	no data	665	no data	57 D	no data	no data	no data	no data
NW-5	N	10/13/2010	6,806.18	6.84	7.42	3710	no data	no data	no data	no data	667	no data	57 D	no data	no data	no data	no data
NW-5	N	1/12/2011	6805.96	7.1	7.52	3480	no data	no data	no data	no data	631	no data	59 D	no data	no data	no data	no data
NW-5	N	4/13/2011	6805.26	6.91	6.97	3610	no data	no data	no data	no data	529	no data	51 D	no data	no data	no data	no data
NW-5	N	7/20/2011	6805.31	6.89	7.79	3580	no data	no data	no data	no data	580	no data	56 D	no data	no data	no data	no data
NW-5	N	10/11/2011	6804.66	7	7.53	3660	no data	no data	no data	no data	545	no data	59 D	no data	no data	no data	no data
PB-02	N	1/22/2008	6,811.31	6.05	6.57	4130	518 D	318 D	122	11.3	140	2570 D	40 D	4.8 D	< 0.1	< 0.5	0.9
PB-02	N	4/15/2008	6,809.26	5.86	6.22	4090	no data	no data	no data	no data	121	no data	29	no data	no data	no data	no data
PB-02	N	7/15/2008	6,809.46	5.94	4.41	4450	no data	no data	no data	no data	< 1	no data	26	no data	no data	no data	no data
PB-02	N	10/14/2008	6,808.53	5.74	6.18	4290	549	358	133 D	10	95	3140 D	26	2.4	< 0.1	< 0.5	0.4
PB-02	N	1/20/2009	6,810.60	5.41	5.65	3950	no data	no data	no data	no data	47	no data	32	no data	no data	no data	no data
PB-02	N	4/14/2009	6,809.65	5.31	5.47	4470	no data	no data	no data	no data	43	no data	29	no data	no data	no data	no data
PB-02	N	7/14/2009	6,809.60	5.68	5.74	4580 H	no data	no data	no data	no data	39	no data	26	no data	no data	no data	no data
PB-02	N	10/13/2009	6,808.70	5.55	6.33	4760 H	575 D	408	131 D	11	72	3330 D	28 H	1	<0.1	<0.50	1.9
PB-02	N	1/12/2010	6,804.25	5.5	5.95	4670 D	no data	no data	no data	no data	74	no data	26	no data	no data	no data	no data
PB-02	N	4/13/2010	6,807.35	5.42	5.7	4930 D	540	422	144	11	38	3470 DH	23	0.82	<0.1	<0.50	6.2
PB-02	N	7/21/2010	6,803.66	5.78	5.85	4980 D	no data	no data	no data	no data	63	no data	28 D	no data	no data	no data	no data
PB-02	N	10/12/2010	6,805.91	5.29	6.75	4940 D	562	461	151	11	50	3620 D	27 D	1.01	<0.1	<0.50	4.6
PB-02	N	1/17/2011	no data	5.59	5.7	5030 D	no data	no data	no data	no data	41	no data	28 D	no data	no data	no data	no data
PB-02	N	4/13/2011	6805.848	5.87	5.82	5280 D	no data	no data	no data	no data	65	no data	29 D	no data	no data	no data	no data
PB-02	N	7/20/2011	6806.248	5.48	5.79	5200 D	no data	no data	no data	no data	43	no data	29 D	no data	no data	no data	no data
PB-02	N	10/11/2011	6805.598	5.73	6.73	5200 D	551	485	151	12	46	3830 D	30 D	1.0 D	<0.5	<0.50	7.1
PB-03	N	1/22/2008	6,812.51	6.37	7.1	3860	613 D	250 D	106	13.4	347	2370 D	64 D	9.8 D	0.7	< 0.5	0.2

TABLE B.1
Zone 3 Data Summary, 1989-2011
United Nuclear Corporation, Church Rock Site, Church Rock, New Mexico

Location ID	Desc	Sample Date	As	Be	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
			mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
NRC Standard			0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
EPA Standard			0.05	0.017	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
NW-3	N	4/13/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
NW-3	N	7/20/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
NW-3	N	10/11/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
NW-4	N	7/14/2009	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
NW-4	N	10/13/2009	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
NW-4	N	1/13/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
NW-4	N	4/14/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
NW-4	N	7/21/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
NW-4	N	10/13/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
NW-4	N	1/12/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
NW-4	N	4/13/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
NW-4	N	7/20/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
NW-4	N	10/11/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
NW-5	N	7/14/2009	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
NW-5	N	10/13/2009	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
NW-5	N	1/12/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
NW-5	N	4/14/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
NW-5	N	7/21/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
NW-5	N	10/13/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
NW-5	N	1/12/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
NW-5	N	4/13/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
NW-5	N	7/20/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
NW-5	N	10/11/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-02	N	1/22/2008	0.05	< 0.01	< 0.005	0.26	< 0.05	5.59	0.5	0.32	< 0.001	< 0.1	0.102	15.6	12.1	27.7	< 0.2	< 1	17.5
PB-02	N	4/15/2008	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-02	N	7/15/2008	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-02	N	10/14/2008	0.003	< 0.01	< 0.005	0.3	< 0.05	5.17	0.2	0.36	< 0.001	< 0.1	0.048	12	11	23	0.3	0.3 U	16.5
PB-02	N	1/20/2009	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-02	N	4/14/2009	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-02	N	7/14/2009	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-02	N	10/13/2009	<0.001	<0.01	<0.005	0.38	<0.05	5.49	0.5	0.49	<0.001	<0.1	0.068	14	15	29	1.5	1.6 U	19.4
PB-02	N	1/12/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-02	N	4/13/2010	0.008	<0.01	<0.005	0.4	<0.05	5.69	1.3	0.49	<0.001	<0.1	0.165	13	14	27	3.7	1.3 U	16.3
PB-02	N	7/21/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-02	N	10/12/2010	0.001	<0.01	<0.005	0.49	<0.05	6.1	0.6	0.56	<0.001	<0.1	0.0811	13	18	31	1.6	0.1 U	17
PB-02	N	1/17/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-02	N	4/13/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-02	N	7/20/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-02	N	10/11/2011	0.005	<0.01	<0.005	0.52	<0.05	6.3	0.5	0.66	<0.001	<0.1	0.0632	15	15	no data	1.8	0.7 U	15.6
PB-03	N	1/22/2008	0.155	< 0.01	< 0.005	0.14	< 0.05	7.67	0.5	0.17	0.001	< 0.1	0.138	13.7	15.3	29	< 0.2	< 1	13.1

TABLE B.1
Zone 3 Data Summary, 1989-2011
 United Nuclear Corporation, Church Rock Site, Church Rock, New Mexico

Location ID	Desc	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	TTHMs (Chloroform)	AI
			ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
		NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA
		EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5
PB-03	N	4/15/2008	6,812.36	6.58	7.3	3860	no data	no data	no data	no data	341	no data	56	no data	no data	no data	no data
PB-03	N	7/15/2008	6,811.71	7.28	7.41	3960	no data	no data	no data	no data	286	no data	46	no data	no data	no data	no data
PB-03	N	10/30/2008	6,810.91	5.98	6.95	4000	654	238 D	145 D	13	203	2820 D	53	8.1	< 0.1	< 0.5	2.3
PB-03	N	1/20/2009	6,810.53	5.41	3.6	4250	no data	no data	no data	no data	<1	no data	46	no data	no data	no data	no data
PB-03	N	4/14/2009	6,809.88	6.21	6.79	3940	no data	no data	no data	no data	132	no data	51	no data	no data	no data	no data
PB-03	N	7/14/2009	6,809.03	6.45	7.5	3850 H	no data	no data	no data	no data	242	no data	46	no data	no data	no data	no data
PB-03	N	10/13/2009	6,808.36	6.26	6.65	3910 H	588	236	133	10	32	2460 D	39 H	5.79	<0.1	<0.50	1.9
PB-03	N	1/12/2010	6,808.08	5.45	6.66	3650	no data	no data	no data	no data	58	no data	37	no data	no data	no data	no data
PB-03	N	4/13/2010	6,807.78	6.38	6.78	3690	536	237	130	10	231	2520 D	39	1.82	<0.1	<0.50	0.4
PB-03	N	7/20/2010	6,807.35	7.13	6.76	3660	no data	no data	no data	no data	294	no data	31 D	no data	no data	no data	no data
PB-03	N	10/12/2010	6,806.90	7.12	7.68	3540	546	239	134	10	272	2300 D	29 D	1.6	0.1	<0.50	0.3
PB-03	N	1/12/2011	no data	7.7	7.53	3500	no data	no data	no data	no data	236	no data	31 D	no data	no data	no data	no data
PB-03	N	4/13/2011	6806.38	6.96	7.07	3600	no data	no data	no data	no data	274	no data	29 D	no data	no data	no data	no data
PB-03	N	7/19/2011	6806.03	7.28	7.83	3530	no data	no data	no data	no data	253	no data	28 D	no data	no data	no data	no data
PB-03	N	10/11/2011	6805.77	7.35	7.6	3490	508	232	127	10	237	2330 D	28 D	0.9 D	<0.5	<0.50	0.1
PB-04	N	1/22/2008	6,812.50	6.41	6.63	3710	no data	no data	no data	no data	296	no data	58	no data	no data	no data	no data
PB-04	N	4/15/2008	6,812.39	6.18	6.54	3550	no data	no data	no data	no data	133	no data	54	no data	no data	no data	no data
PB-04	N	7/15/2008	6,811.89	6.39	7.08	3900	no data	no data	no data	no data	270	no data	43	no data	no data	no data	no data
PB-04	N	1/20/2009	6,810.73	4.02	3.84	3570	no data	no data	no data	no data	<1	no data	49	no data	no data	no data	no data
PB-04	N	4/14/2009	6,810.28	2.88	2.89	4680	no data	no data	no data	no data	<1	no data	30	no data	no data	no data	no data
PB-04	N	7/14/2009	6,809.98	2.5	2.78	4640 H	no data	no data	no data	no data	<5	no data	38	no data	no data	no data	no data
PB-04	N	1/12/2010	6,808.38	2.76	3.08	4250 D	no data	no data	no data	no data	<5	no data	27	no data	no data	no data	no data
PB-04	N	4/13/2010	6,808.28	2.95	3	4650 D	522	310	131	9	<5	3510 D	30	2.14	<0.1	<0.50	16.9
PB-04	N	7/20/2010	6,807.84	2.62	2.89	5020 D	no data	no data	no data	no data	<5	no data	26 D	no data	no data	no data	no data
PB-04	N	10/12/2010	6,803.64	2.89	2.94	4280 D	no data	no data	no data	no data	<5	no data	25 D	no data	no data	no data	no data
PB-04	N	4/13/2011	6806.56	2.8	2.83	5740 D	no data	no data	no data	no data	<5	no data	29 D	no data	no data	no data	no data
PB-04	N	7/19/2011	6806.18	2.7	2.81	5270 D	no data	no data	no data	no data	<5	no data	28 D	no data	no data	no data	no data
PB-04	N	10/11/2011	6806.04	2.56	2.79	6630 D	507	375	141	12	<5	5440 D	31 D	0.6 D	<0.5	<0.50	29.2
RW-11	N	1/23/2008	6,811.70	6.23	6.57	3640	545 D	219	107	10.5	268	2220 D	45 D	5.8 D	0.1	<0.5	<0.1
RW-11	N	10/14/2008	6,823.59	5.74	6.43	3780	541	241	132 D	10	247	2520 D	41	5.1 D	<0.1	<0.5	0.1
RW-11	N	10/13/2009	6,818.18	5.9	7.45	3800 H	547	259	130	10	238	2530 D	32	2.99	<0.1	<0.50	<0.1
RW-11	N	10/12/2010	6,815.23	5.97	6.56	3970	561	278	144	10	242	2630 D	35 D	2.45	<0.1	<0.50	0.3
RW-11	N	10/11/2011	6822.68	6.41	7.34	4130 D	556	308	144	11	209	2800 D	38 D	1.8 D	<0.5	<0.50	<0.1
RW-A	N	1/23/2008	6,802.73	6.27	6.81	3590	599 D	192	117	9.6	378	2080 D	47 D	3.88	0.2	<0.5	<0.1
RW-A	N	7/15/2008	6,814.28	6.38	6.6	3660	no data	no data	no data	no data	360	no data	39	no data	no data	no data	no data
RW-A	N	10/14/2008	6,814.63	6.37	6.61	3740	608	223	136 D	9	327	2560 D	41	3	<0.1	<0.5	<0.1
RW-A	N	1/20/2009	6,818.13	6.25	7.12	3530	no data	no data	no data	no data	329	no data	23	no data	no data	no data	no data
RW-A	N	4/14/2009	6,817.83	6.36	6.62	3820	no data	no data	no data	no data	339	no data	38	no data	no data	no data	no data
RW-A	N	7/14/2009	6,816.68	6.3	6.74	3880 H	no data	no data	no data	no data	303	no data	37	no data	no data	no data	no data
RW-A	N	10/13/2009	6,804.13	5.8	6.99	3950 H	607	254	135	10	281	2640 D	46	3.06	0.2	<0.50	<0.1

TABLE B.1
Zone 3 Data Summary, 1989-2011
United Nuclear Corporation, Church Rock Site, Church Rock, New Mexico

Location ID	Desc	Sample Date	As	Be	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
			mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
NRC Standard			0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
EPA Standard			0.05	0.017	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
PB-03	N	4/15/2008	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-03	N	7/15/2008	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-03	N	10/30/2008	0.02	< 0.01	< 0.005	0.54	< 0.05	7.42	0.4	0.42	< 0.001	< 0.1	0.193	16	12	28	0.4	-3 U	20.5
PB-03	N	1/20/2009	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-03	N	4/14/2009	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-03	N	7/14/2009	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-03	N	10/13/2009	<0.001	<0.01	<0.005	0.24	<0.05	5.75	0.2	0.26	<0.001	<0.1	0.113	14	13	27	2.4	0.2 U	14
PB-03	N	1/12/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-03	N	4/13/2010	0.003	<0.01	<0.005	0.14	<0.05	4.21	0.5	0.17	<0.001	<0.1	0.276	8.3	12	20.3	0.3	0.9 U	7.9
PB-03	N	7/20/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-03	N	10/12/2010	<0.001	<0.01	<0.005	0.1	<0.05	3.68	0.6	0.12	<0.001	<0.1	0.338	5.9	5.8	11.7	0.07 U	0.7 U	6.8
PB-03	N	1/12/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-03	N	4/13/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-03	N	7/19/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-03	N	10/11/2011	0.003	<0.01	<0.005	0.09	<0.05	4.07	0.4	0.13	<0.001	<0.1	0.192	7	4.6	no data	0.2 U	0.06 U	7.1
PB-04	N	1/22/2008	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-04	N	4/15/2008	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-04	N	7/15/2008	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-04	N	1/20/2009	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-04	N	4/14/2009	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-04	N	7/14/2009	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-04	N	1/12/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-04	N	4/13/2010	0.022	<0.01	<0.005	0.47	<0.05	5.1	0.7	0.6	0.002	<0.1	0.209	13	7.1	20.1	24	2.4 U	33.4
PB-04	N	7/20/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-04	N	10/12/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-04	N	4/13/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-04	N	7/19/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
PB-04	N	10/11/2011	0.007	<0.01	<0.005	0.65	0.63	6.06	0.5	0.91	0.002	<0.1	0.239	13	9.5	no data	25.7	12.7	31.3
RW-11	N	1/23/2008	<0.001	<0.01	<0.005	0.15	<0.05	4.83	0.2	0.18	<0.001	<0.1	0.131	12.4	16.6	29	<0.2	<1	14.2
RW-11	N	10/14/2008	0.004	<0.01	<0.005	0.15	<0.05	4.93	0.3	0.17	<0.001	<0.1	0.13	18	20	38	0.1 U	-0.2 U	12.8
RW-11	N	10/13/2009	<0.001	<0.01	<0.005	0.16	<0.05	4.27	0.2	0.18	<0.001	<0.1	0.134	9.3	13	22.3	-0.004 U	0.4 U	10
RW-11	N	10/12/2010	0.001	<0.01	<0.005	0.18	<0.05	3.93	0.8	0.2	<0.001	<0.1	0.246	10	17	27	0.4 U	0.3 U	12.4
RW-11	N	10/11/2011	0.006	<0.01	<0.005	0.21	<0.05	4.68	0.1	0.24	<0.001	<0.1	0.134	9.6	13	no data	0.03 U	0.5 U	10.1
RW-A	N	1/23/2008	0.001	<0.01	<0.005	0.09	<0.05	3.95	0.2	0.12	<0.001	<0.1	0.162	14.7	21.8	36.5	<0.2	<1	15
RW-A	N	7/15/2008	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
RW-A	N	10/14/2008	<0.001	<0.01	<0.005	0.12	<0.05	4.24	0.2	0.16	<0.001	<0.1	0.133	11	14	25	0 U	1.1 U	17.7
RW-A	N	1/20/2009	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
RW-A	N	4/14/2009	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
RW-A	N	7/14/2009	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
RW-A	N	10/13/2009	<0.001	<0.01	<0.005	0.16	<0.05	4.7	0.2	0.18	<0.001	<0.1	0.111	14	18	32	0.1 U	-1 U	13.1

TABLE B.1
Zone 3 Data Summary, 1989-2011
United Nuclear Corporation, Church Rock Site, Church Rock, New Mexico

Location ID	Desc	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Cl	NH4 as N	NO3 as N	TTHMs (Chloroform)	Al
			ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA
			NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5
RW-A	N	1/12/2010	6,809.18	6.06	6.58	3830	no data	no data	no data	no data	319	no data	38	no data	no data	no data	no data
RW-A	N	4/14/2010	6,811.13	6.1	6.44	3940	no data	no data	no data	no data	302	no data	38	no data	no data	no data	no data
RW-A	N	7/21/2010	6,799.48	6.34	6.61	4020	no data	no data	no data	no data	278	no data	36 D	no data	no data	no data	no data
RW-A	N	10/12/2010	6,808.53	5.99	7.48	3940	586	270	145	10	276	2640 D	35 D	4.74	<0.1	<0.50	<0.1
RW-A	N	1/11/2011	no data	6.29	7.36	3990	no data	no data	no data	no data	260	no data	38 D	no data	no data	no data	no data
RW-A	N	4/13/2011	6818.03	6.35	6.36	4080	no data	no data	no data	no data	248	no data	36 D	no data	no data	no data	no data
RW-A	N	7/20/2011	6810.83	7.12	7.6	4080	no data	no data	no data	no data	238	no data	37 D	no data	no data	no data	no data
RW-A	N	10/11/2011	6809.74	6.4	7.58	4100	560	301	142	10	220	2830 D	39 D	2.8 D	<0.5	<0.50	<0.1
MW-6	N	7/19/2011	6801.44	6.67	7.29	3970 D	458	328	184	10	225	2610 D	35 D	0.35	<0.5	<0.50	0.1
MW-6	N	10/11/2011	6801.57	6.71	7.49	4130 D	no data	no data	no data	no data	191	no data	32 D	no data	no data	no data	no data
MW-7	N	7/19/2011	6802.12	7.46	7.68	3660	640	167	155	6	542	2030 D	52 D	0.45	<0.5	<0.50	<0.1
MW-7	N	10/11/2011	6802.03	6.77	7.44	3650	no data	no data	no data	no data	459	no data	53 D	no data	no data	no data	no data

TABLE B.1
Zone 3 Data Summary, 1989-2011
United Nuclear Corporation, Church Rock Site, Church Rock, New Mexico

Location ID	Desc	Sample Date	As	Be	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
			mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
NRC Standard			0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
EPA Standard			0.05	0.017	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
RW-A	N	1/12/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
RW-A	N	4/14/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
RW-A	N	7/21/2010	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
RW-A	N	10/12/2010	<0.001	<0.01	<0.005	0.19	<0.05	4.82	0.2	0.21	<0.001	<0.1	0.106	12	16	28	0.07 U	1.0 U	14.5
RW-A	N	1/11/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
RW-A	N	4/13/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
RW-A	N	7/20/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
RW-A	N	10/11/2011	<0.001	<0.01	<0.005	0.25	<0.05	5.1	0.2	0.27	<0.001	<0.1	0.105	13	15	no data	0.008 U	0.4 U	13.6
MW-6	N	7/19/2011	0.005	<0.01	<0.005	0.11	<0.05	3.49	5.5	0.16	<0.001	<0.1	0.0882	1.4	2	3.4	0.01 U	-0.5 U	1.6
MW-6	N	10/11/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	0	no data	no data	no data
MW-7	N	7/19/2011	0.044	<0.01	<0.005	0.03	<0.05	2.51	0.8	0.06	<0.001	<0.1	0.162	7	6.1	13.1	0.03 U	-0.5 U	5.2
MW-7	N	10/11/2011	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	0	no data	no data	no data

**Laboratory Analytical Data
2011**

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:		10/4/2011	7/12/2011	4/6/2011	1/5/2011
Receive Date:		10/7/2011	7/15/2011	4/8/2011	1/7/2011
Report Date:		11/29/2011	9/16/2011	5/25/2011	2/9/2011
Analyte	RUnits	C11100299-001	C11070557-002	C11040306-002	C11010233-002
Bicarbonate as HCO ₃	mg/L	ND(5)	ND(5)	ND(5)	ND(5)
Calcium	mg/L	477	496	477	479
Chloride	mg/L	67	68	66	65
Magnesium	mg/L	568	592	576	568
Nitrogen, Ammonia as N	mg/L	42.3	47	50	50
Nitrogen, Nitrate+Nitrite as N	mg/L	25	28	30	21
Potassium	mg/L	11	11	12	12
Sodium	mg/L	176	188	187	174
Sulfate	mg/L	4950	4880	4930	4620
pH	s.u.	4.40	4.20	4.38	4.33
Solids, Total Dissolved TDS @ 180 C	mg/L	6180	6610	6560	6240
Aluminum	mg/L	116	138	124	105
Beryllium	mg/L	0.11	0.12	0.12	0.09
Cadmium	mg/L	0.010	0.009	0.012	0.008
Cobalt	mg/L	0.96	0.90	0.94	0.92
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	18.4	19.2	18.0	17.2
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.84	0.83	0.84	0.81
Uranium	mg/L	0.0156	0.0181	0.0233	0.0186
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	7.8	32.4	11.2	22.1
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.9	2.5	1.0	2.1
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.8	0.4	0.8
Lead 210	pCi/L	2.2	2.2	2.4	2.0
Lead 210 precision (±)	pCi/L	0.8	1.1	0.9	0.9
Lead 210 MDC	pCi/L	1.3	1.7	1.5	1.4
Radium 226	pCi/L	6.4	6.1	6.2	10
Radium 226 MDC	pCi/L	0.09	0.16	0.12	0.1
Radium 226 precision (±)	pCi/L	0.44	0.46	0.44	0.53
Radium 228	pCi/L	1.4	14	17	16
Radium 228 precision (±)	pCi/L	0.80	1.3	1.1	1.2
Radium 228 MDC	pCi/L	1.2	1.3	0.91	1.1
Thorium 230	pCi/L	0.5	0.5	0.2	0.2
Thorium 230 precision (±)	pCi/L	0.3	1.7	0.6	0.4
Thorium 230 MDC	pCi/L	0.5	3.4	1.3	0.9
A/C Balance (± 5)	%	-4.62	-1.95	-3.47	-2.19
Anions	meq/L	107	106	107	100
Cations	meq/L	97.9	102	99.7	95.7
Solids, Total Dissolved Calculated	mg/L	6430	6430	6420	6060
TDS Balance (0.80 - 1.20)		0.960	1.03	1.02	1.03
Trihalomethanes, Total	ug/L	1.30	1.02	2.05	2.24

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

UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3 Monitor Wells					
Well ID:		613	613	613	613
Collection Date:		10/4/2011	7/12/2011	4/12/2011	1/11/2011
Receive Date:		10/7/2011	7/15/2011	4/15/2011	1/14/2011
Report Date:		11/29/2011	9/16/2011	8/11/2011	2/18/2011
Analyte	RUnits	C11100299-002	C11070557-001	C11040505-003	C11010448-006
Bicarbonate as HCO ₃	mg/L	ND(5)	ND(5)	ND(5)	ND(5)
Calcium	mg/L	420	423	424	425
Chloride	mg/L	135	140	139	144
Magnesium	mg/L	682	706	689	706
Nitrogen, Ammonia as N	mg/L	208	179	196	210
Nitrogen, Nitrate+Nitrite as N	mg/L	5.2	2.2	5.2	3.7
Potassium	mg/L	ND(1)	ND(1)	ND(1)	ND(1)
Sodium	mg/L	256	273	269	247
Sulfate	mg/L	9300	9140	9410	9150
pH	s.u.	3.14	3.12	3.09	3.09
Solids, Total Dissolved TDS @ 180 C	mg/L	11600	11700	12300	11900
Aluminum	mg/L	582	624	678	600
Beryllium	mg/L	0.18	0.17	0.15	0.16
Cadmium	mg/L	0.033	0.034	0.037	0.034
Cobalt	mg/L	1.86	1.90	1.96	1.98
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	53.1	51.4	53.7	54.1
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	1.76	1.82	1.73	1.90
Uranium	mg/L	0.942	1.02	1.04	1.07
Vanadium	mg/L	1.9	2.0	2.3	2.3
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	0.003	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	33.1	77.0	22.9	56.8
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.7	3.7	1.5	2.7
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.8	0.4	0.6
Lead 210	pCi/L	1.9	0.7	2.9	0.7
Lead 210 precision (±)	pCi/L	0.8	1.0	0.8	0.8
Lead 210 MDC	pCi/L	1.3	1.7	1.3	1.4
Radium 226	pCi/L	8.9	5.0	13	18
Radium 226 precision (±)	pCi/L	0.54	0.47	0.85	1.0
Radium 226 MDC	pCi/L	0.10	0.20	0.24	0.22
Radium 228	pCi/L	1.2	0.39	1.2	1.8
Radium 228 precision (±)	pCi/L	0.85	1.2	0.89	0.83
Radium 228 MDC	pCi/L	1.3	2.0	1.4	1.3
Thorium 230	pCi/L	710	942	645	976
Thorium 230 precision (±)	pCi/L	71.5	148	60.6	256
Thorium 230 MDC	pCi/L	4.6	2.5	2.4	4.2
A/C Balance (± 5)	%	-2.24	0.0813	-2.60	-0.588
Anions	meq/L	199	195	201	196
Cations	meq/L	190	196	191	193
Solids, Total Dissolved Calculated	mg/L	11000	10900	11100	10900
TDS Balance (0.80 - 1.20)		1.05	1.07	1.11	1.09
Trihalomethanes, Total	ug/L	122	86.4	88.0	100

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

UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3 Monitor Wells					
Well ID:		517	517	517	517
Collection Date:		10/10/2011	7/18/2011	4/6/2011	1/5/2011
Receive Date:		10/14/2011	7/22/2011	4/8/2011	1/7/2011
Report Date:		11/30/2011	9/19/2011	5/25/2011	2/9/2011
Analyte	RUnits	C11100573-001	C11070807-001	C11040306-001	C11010233-001
Bicarbonate as HCO ₃	mg/L	ND(5)	ND(5)	ND(5)	ND(5)
Calcium	mg/L	450	454	456	442
Chloride	mg/L	43	42	43	44
Magnesium	mg/L	459	458	464	452
Nitrogen, Ammonia as N	mg/L	10.5	10.5	10.7	13.0
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.2)	ND(0.5)	ND(0.1)	ND(0.1)
Potassium	mg/L	12	12	13	12
Sodium	mg/L	151	151	151	148
Sulfate	mg/L	3960	3720	3930	3770
pH	s.u.	3.14	3.21	3.39	3.57
Solids, Total Dissolved TDS @ 180 C	mg/L	5120	5240	5580	5270
Aluminum	mg/L	9.3	9.7	8.2	7.0
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	0.012	0.009	0.011	0.010
Cobalt	mg/L	0.89	0.94	0.99	0.92
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	10.9	11.1	11.1	10.4
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.98	0.98	1.04	0.97
Uranium	mg/L	0.0841	0.0932	0.0820	0.0722
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	0.004
Gross Alpha minus Rn & U	pCi/L	13.8	12.6	9.1	22.3
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.1	1.1	1	2.1
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.3	0.4	0.8
Lead 210	pCi/L	1.3	-0.2	1.3	1.5
Lead 210 precision (±)	pCi/L	0.8	0.8	0.9	0.9
Lead 210 MDC	pCi/L	1.3	1.4	1.5	1.4
Radium 226	pCi/L	6.3	9.5	4.6	7.7
Radium 226 precision (±)	pCi/L	0.48	0.73	0.39	0.47
Radium 226 MDC	pCi/L	0.14	0.23	0.13	0.1
Radium 228	pCi/L	12	12	14	13
Radium 228 precision (±)	pCi/L	1.0	0.92	1.1	1.1
Radium 228 MDC	pCi/L	0.95	0.81	0.98	1.1
Thorium 230	pCi/L	2.4	1.9	1.7	1.5
Thorium 230 precision (±)	pCi/L	0.5	0.5	0.5	0.4
Thorium 230 MDC	pCi/L	0.2	0.3	0.3	0.2
A/C Balance (± 5)	%	-4.96	-1.82	-2.56	-2.79
Anions	meq/L	83.7	78.7	83.2	79.8
Cations	meq/L	75.8	75.9	79.0	75.4
Solids, Total Dissolved Calculated	mg/L	5110	4870	5090	4900
TDS Balance (0.80 - 1.20)		1.00	1.08	1.10	1.08
Trihalomethanes, Total	ug/L	1.30	1.80	5.16	6.08

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

UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3 Monitor Wells					
Well ID:		708	708	708	708
Collection Date:		10/10/2011	7/18/2011	4/11/2011	1/10/2011
Receive Date:		10/14/2011	7/22/2011	4/15/2011	1/14/2011
Report Date:		11/30/2011	9/19/2011	6/13/2011	2/18/2011
Analyte	RUnits	C11100573-002	C11070807-002	C11040505-001	C11010448-001
Bicarbonate as HCO ₃	mg/L	ND(5)	ND(5)	ND(5)	ND(5)
Calcium	mg/L	427	432	444	437
Chloride	mg/L	30	28	29	30
Magnesium	mg/L	578	552	532	556
Nitrogen, Ammonia as N	mg/L	1.0	1.3	2.02	1.15
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.1)
Potassium	mg/L	14	14	15	14
Sodium	mg/L	124	122	121	115
Sulfate	mg/L	4700	4570	4410	4320
pH	s.u.	3.14	3.11	3.01	3.14
Solids, Total Dissolved TDS @ 180 C	mg/L	5910	5800	5970	6010
Aluminum	mg/L	35.0	27.0	24.2	20.9
Beryllium	mg/L	0.04	0.03	0.03	0.02
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.55	0.56	0.52	0.54
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	13.0	12.9	12.8	12.9
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.67	0.67	0.59	0.63
Uranium	mg/L	0.0863	0.0798	0.0901	0.0708
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	0.002	0.002
Gross Alpha minus Rn & U	pCi/L	12.4	10.8	9.7	17.7
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.1	1	1	1.5
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.3	0.4	0.6
Lead 210	pCi/L	-0.1	0.02	3.1	1.2
Lead 210 precision (±)	pCi/L	0.8	0.8	0.8	0.9
Lead 210 MDC	pCi/L	1.3	1.3	1.3	1.4
Radium 226	pCi/L	7.9	9.2	10	11
Radium 226 precision (±)	pCi/L	0.54	0.69	0.62	0.66
Radium 226 MDC	pCi/L	0.14	0.21	0.16	0.16
Radium 228	pCi/L	4.0	4.2	5.2	5.7
Radium 228 precision (±)	pCi/L	0.75	0.70	0.79	0.76
Radium 228 MDC	pCi/L	0.96	0.85	0.97	0.90
Thorium 230	pCi/L	0.6	0.8	-1	-0.5
Thorium 230 precision (±)	pCi/L	0.7	1	1.0	0.9
Thorium 230 MDC	pCi/L	1.1	1.5	1.8	1.4
A/C Balance (± 5)	%	-4.61	-4.34	-3.07	-1.90
Anions	meq/L	99.2	96.4	93.1	91.2
Cations	meq/L	90.4	88.4	87.5	87.8
Solids, Total Dissolved Calculated	mg/L	5930	5780	5610	5530
TDS Balance (0.80 - 1.20)		1.00	1.00	0.890	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.**

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:		10/10/2011	7/19/2011	4/11/2011	1/11/2011
Receive Date:		10/14/2011	7/22/2011	4/15/2011	1/14/2011
Report Date:		11/30/2011	9/19/2011	6/13/2011	2/18/2011
Analyte	RUnits	C11100573-003	C11070807-005	C11040505-002	C11010448-002
Bicarbonate as HCO ₃	mg/L	44	50	53	63
Calcium	mg/L	486	476	501	482
Chloride	mg/L	43	42	42	43
Magnesium	mg/L	839	807	841	826
Nitrogen, Ammonia as N	mg/L	0.3	0.3	0.28	0.22
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.1)
Potassium	mg/L	14	13	14	13
Sodium	mg/L	162	161	164	147
Sulfate	mg/L	4940	4950	4820	4790
pH	s.u.	7.08	7.38	6.43	7.33
Solids, Total Dissolved TDS @ 180 C	mg/L	6700	6710	6920	6630
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	0.07	0.07	0.08	0.08
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	7.00	5.90	6.97	7.00
Molybdenum	mg/L	0.1	0.2	0.2	0.2
Nickel	mg/L	0.20	0.22	0.19	0.19
Uranium	mg/L	0.0100	0.0111	0.0155	0.0198
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.029	ND(0.01)	0.016	0.05
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	5.1	4.8	7.2	5.0
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.7	0.7	0.9	0.9
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.3	0.4	0.6
Lead 210	pCi/L	0.4	-0.6	1.6	1.3
Lead 210 precision (±)	pCi/L	0.8	0.8	0.8	0.9
Lead 210 MDC	pCi/L	1.3	1.3	1.3	1.4
Radium 226	pCi/L	5.3	5.9	5.1	6.0
Radium 226 precision (±)	pCi/L	0.45	0.54	0.45	0.50
Radium 226 MDC	pCi/L	0.14	0.20	0.16	0.16
Radium 228	pCi/L	7.1	7.8	7.8	7.8
Radium 228 precision (±)	pCi/L	0.89	0.80	0.87	0.85
Radium 228 MDC	pCi/L	1.0	0.82	0.96	0.92
Thorium 230	pCi/L	0.05	0.03	-0.02	0.05
Thorium 230 precision (±)	pCi/L	0.2	0.1	0.2	0.2
Thorium 230 MDC	pCi/L	0.5	0.3	0.4	0.3
A/C Balance (± 5)	%	-2.18	-3.73	-0.452	-1.64
Anions	meq/L	105	105	103	102
Cations	meq/L	101	97.5	102	98.7
Solids, Total Dissolved Calculated	mg/L	6540	6500	6440	6360
TDS Balance (0.80 - 1.20)		1.02	1.03	1.07	1.04
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.

UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3 Monitor Wells					
Well ID:		NBL-2	NBL-2	NBL-2	NBL-2
Collection Date:		10/10/2011	7/19/2011	4/12/2011	1/11/2011
Receive Date:		10/14/2011	7/22/2011	4/15/2011	1/14/2011
Report Date:		11/30/2011	9/19/2011	5/24/2011	2/4/2011
Analyte	RUnits	C11100573-004	C11070807-014	C11040513-001	C11010444-002
Bicarbonate as HCO ₃	mg/L	386	407	419	407
Calcium	mg/L	609			
Chloride	mg/L	53	51	51	50
Magnesium	mg/L	181			
Nitrogen, Ammonia as N	mg/L	ND(0.2)			
Nitrogen, Nitrate+Nitrite as N	mg/L	12			
Potassium	mg/L	8			
Sodium	mg/L	154			
Sulfate	mg/L	2160			
pH	s.u.	7.56	7.69	7.00	7.40
Solids, Total Dissolved TDS @ 180 C	mg/L	3470	3500	3520	3450
Aluminum	mg/L	ND(0.1)			
Beryllium	mg/L	ND(0.01)			
Cadmium	mg/L	ND(0.005)			
Cobalt	mg/L	0.04			
Lead	mg/L	ND(0.05)			
Manganese	mg/L	1.50			
Molybdenum	mg/L	0.1			
Nickel	mg/L	ND(0.05)			
Uranium	mg/L	0.167			
Vanadium	mg/L	ND(0.1)			
Arsenic-III	mg/L	0.004			
Selenium-IV	mg/L	ND(0.001)			
Gross Alpha minus Rn & U	pCi/L	5.5			
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.7			
Gross Alpha minus Rn & U MDC	pCi/L	0.4			
Lead 210	pCi/L	-0.6			
Lead 210 precision (±)	pCi/L	0.8			
Lead 210 MDC	pCi/L	1.3			
Radium 226	pCi/L	5.6			
Radium 226 precision (±)	pCi/L	0.54			
Radium 226 MDC	pCi/L	0.20			
Radium 228	pCi/L	8.2			
Radium 228 precision (±)	pCi/L	1.2			
Radium 228 MDC	pCi/L	1.4			
Thorium 230	pCi/L	0.09			
Thorium 230 precision (±)	pCi/L	0.08			
Thorium 230 MDC	pCi/L	0.1			
A/C Balance (± 5)	%	-1.52			
Anions	meq/L	53.8			
Cations	meq/L	52.2			
Solids, Total Dissolved Calculated	mg/L	3430			
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.**

UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3 Monitor Wells					
Well ID:		719	719	719	719
Collection Date:		10/11/2011	7/19/2011	4/12/2011	1/11/2011
Receive Date:		10/14/2011	7/22/2011	4/15/2011	1/14/2011
Report Date:		11/30/2011	9/19/2011	6/13/2011	2/18/2011
Analyte	RUnits	C11100573-005	C11070807-006	C11040505-007	C11010448-003
Bicarbonate as HCO ₃	mg/L	ND(5)	ND(5)	ND(5)	ND(5)
Calcium	mg/L	474	480	493	489
Chloride	mg/L	31	30	30	32
Magnesium	mg/L	610	598	631	616
Nitrogen, Ammonia as N	mg/L	1.2	0.9	0.85	0.86
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.1)
Potassium	mg/L	14	14	14	13
Sodium	mg/L	145	145	147	136
Sulfate	mg/L	3960	3900	3970	4020
pH	s.u.	4.14	3.92	3.74	3.99
Solids, Total Dissolved TDS @ 180 C	mg/L	5530	5520	5780	5530
Aluminum	mg/L	0.3	0.4	0.2	0.6
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.36	0.40	0.38	0.40
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	5.56	5.50	5.92	5.75
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.45	0.53	0.41	0.46
Uranium	mg/L	0.0058	0.0059	0.0040	0.0061
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	3.9	6.0	6.1	5.9
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.6	0.8	0.8	0.9
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.3	0.4	0.6
Lead 210	pCi/L	-0.3	-0.6	1.3	0.7
Lead 210 precision (±)	pCi/L	0.8	0.8	0.8	0.9
Lead 210 MDC	pCi/L	1.3	1.3	1.3	1.4
Radium 226	pCi/L	4.9	5.2	5.4	5.4
Radium 226 precision (±)	pCi/L	0.44	0.51	0.48	0.49
Radium 226 MDC	pCi/L	0.14	0.20	0.18	0.16
Radium 228	pCi/L	12	14	13	10
Radium 228 precision (±)	pCi/L	1.1	0.97	1.1	0.94
Radium 228 MDC	pCi/L	1.0	0.81	1.1	0.95
Thorium 230	pCi/L	0.04	0.06	-0.03	-0.02
Thorium 230 precision (±)	pCi/L	0.09	0.1	0.1	0.1
Thorium 230 MDC	pCi/L	0.2	0.3	0.3	0.3
A/C Balance (± 5)	%	-1.11	-0.975	0.369	-1.04
Anions	meq/L	83.3	82.0	83.5	84.6
Cations	meq/L	81.5	80.4	84.1	82.8
Solids, Total Dissolved Calculated	mg/L	5250	5180	5300	5320
TDS Balance (0.80 - 1.20)		1.05	1.07	1.09	1.04
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.

UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3 Monitor Wells					
Well ID:		711	711	711	711
Collection Date:		10/11/2011	7/18/2011	4/12/2011	1/17/2011
Receive Date:		10/14/2011	7/22/2011	4/15/2011	1/20/2011
Report Date:		11/30/2011	9/19/2011	6/13/2011	2/17/2011
Analyte	RUnits	C11100573-006	C11070807-003	C11040505-005	C11010611-001
Bicarbonate as HCO ₃	mg/L	ND(5)	ND(5)	9	6
Calcium	mg/L	480	457	475	468
Chloride	mg/L	17	16	17	17
Magnesium	mg/L	449	428	448	452
Nitrogen, Ammonia as N	mg/L	0.4	0.4	0.38	0.36
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.1)
Potassium	mg/L	11	10	11	11
Sodium	mg/L	101	98	101	100
Sulfate	mg/L	3490	3380	3420	3390
pH	s.u.	4.26	4.55	5.12	4.87
Solids, Total Dissolved TDS @ 180 C	mg/L	4840	4770	4960	4760
Aluminum	mg/L	0.5	0.3	0.2	0.3
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	0.25	0.30	0.35
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	4.71	4.16	5.46	5.52
Molybdenum	mg/L	0.1	0.1	0.1	0.5
Nickel	mg/L	0.27	0.27	0.27	0.28
Uranium	mg/L	0.0163	0.0130	0.0155	0.0201
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.037	ND(0.01)	0.005	0.024
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	0.003
Gross Alpha minus Rn & U	pCi/L	4.9	4.9	5.9	5.7
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.7	0.7	0.8	1.2
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.3	0.4	0.9
Lead 210	pCi/L	-0.1	-0.7	2.1	1.7
Lead 210 precision (±)	pCi/L	0.8	0.8	0.8	0.9
Lead 210 MDC	pCi/L	1.3	1.3	1.3	1.4
Radium 226	pCi/L	4.0	4.5	4.6	3.5
Radium 226 precision (±)	pCi/L	0.38	0.48	0.45	0.42
Radium 226 MDC	pCi/L	0.13	0.20	0.19	0.18
Radium 228	pCi/L	6.3	6.9	9.5	7.7
Radium 228 precision (±)	pCi/L	0.81	0.77	1.0	0.81
Radium 228 MDC	pCi/L	0.91	0.82	1.1	0.86
Thorium 230	pCi/L	0.04	0.03	0.1	-0.004
Thorium 230 precision (±)	pCi/L	0.2	0.2	0.3	0.2
Thorium 230 MDC	pCi/L	0.3	0.5	0.4	0.5
A/C Balance (± 5)	%	-2.15	-2.82	-4.73	-4.36
Anions	meq/L	73.1	70.8	71.8	71.1
Cations	meq/L	70.0	66.9	65.3	65.1
Solids, Total Dissolved Calculated	mg/L	4550	4400	4490	4450
TDS Balance (0.80 - 1.20)		1.06	1.08	1.10	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.**

UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3 Monitor Wells					
Well ID:		711 Duplicate	711 Duplicate	711 Duplicate	711 Duplicate
Collection Date:		10/11/2011	7/18/2011	7/19/2010	4/12/2010
Receive Date:		10/14/2011	7/22/2011	7/23/2010	4/16/2010
Report Date:		11/30/2011	9/19/2011	9/20/2010	5/24/2010
Analyte	RUnits	C11100573-007	C11070807-004	C10100652-004	C10070881-004
Bicarbonate as HCO ₃	mg/L	7	ND(5)	ND(5)	ND(5)
Calcium	mg/L	471	473	476	475
Chloride	mg/L	16	16	13	16
Magnesium	mg/L	450	450	441	474
Nitrogen, Ammonia as N	mg/L	0.4	0.4	0.74	0.72
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.1)
Potassium	mg/L	11	11	10	10
Sodium	mg/L	98	103	99	97
Sulfate	mg/L	3420	3340	3640	3420
pH	s.u.	5.27	5.02	4.19	4.60
Solids, Total Dissolved TDS @ 180 C	mg/L	4940	4790	4500	5030
Aluminum	mg/L	0.2	0.2	0.2	0.2
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.28	0.24	0.31	0.32
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	5.02	4.00	5.33	5.50
Molybdenum	mg/L	0.1	ND(0.1)	0.2	ND(0.1)
Nickel	mg/L	0.26	0.27	0.27	0.26
Uranium	mg/L	0.0157	0.0123	0.0131	0.0154
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.015	ND(0.01)	0.009	0.004
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	4.4	4.0	5.4	5.5
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.7	0.6	0.9	0.9
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.3	0.5	0.6
Lead 210	pCi/L	0.1	-0.7	-0.6	1.8
Lead 210 precision (±)	pCi/L	0.8	0.8	1.2	2.1
Lead 210 MDC	pCi/L	1.3	1.4	2.0	3.5
Radium 226	pCi/L	3.7	4.3	5.9	5.7
Radium 226 precision (±)	pCi/L	0.37	0.47	0.45	0.45
Radium 226 MDC	pCi/L	0.14	0.20	0.10	0.12
Radium 228	pCi/L	6.5	7.9	8.6	7.4
Radium 228 precision (±)	pCi/L	0.83	0.80	0.85	0.94
Radium 228 MDC	pCi/L	0.94	0.81	0.89	1.1
Thorium 230	pCi/L	0.1	0.1	0.05	-0.07
Thorium 230 precision (±)	pCi/L	0.2	0.2	0.1	0.1
Thorium 230 MDC	pCi/L	0.4	0.5	0.3	0.3
A/C Balance (± 5)	%	-4.90	-3.38	-4.63	-3.26
Anions	meq/L	71.8	70.0	76.1	71.7
Cations	meq/L	65.1	65.4	69.4	67.2
Solids, Total Dissolved Calculated	mg/L	4480	4400	4680	4510
TDS Balance (0.80 - 1.20)		1.10	1.09	0.960	1.12
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

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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:		10/11/2011	7/19/2011	4/12/2011	1/11/2011
Receive Date:		10/14/2011	7/22/2011	4/15/2011	1/14/2011
Report Date:		11/30/2011	9/19/2011	6/13/2011	2/18/2011
Analyte	RUnits	C11100573-008	C11070807-007	C11040505-008	C11010448-004
Bicarbonate as HCO ₃	mg/L	481	500	521	530
Calcium	mg/L	670	664	701	651
Chloride	mg/L	54	53	51	52
Magnesium	mg/L	140	137	140	135
Nitrogen, Ammonia as N	mg/L	ND(0.2)	ND(0.2)	0.11	0.05
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.1)
Potassium	mg/L	7	7	7	6
Sodium	mg/L	151	151	153	138
Sulfate	mg/L	2070	1980	2010	1990
pH	s.u.	7.55	7.77	7.20	7.62
Solids, Total Dissolved TDS @ 180 C	mg/L	3410	3340	3330	3370
Aluminum	mg/L	0.2	0.3	0.3	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.01	0.02	0.02	0.02
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	1.50	1.71	1.72	1.87
Molybdenum	mg/L	0.7	0.8	0.7	0.7
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.354	0.400	0.448	0.439
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	0.003	0.008	0.005
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	5.9	4.5	5.3	5.0
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.8	0.7	0.7	0.9
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.3	0.4	0.6
Lead 210	pCi/L	0.2	-0.4	1.7	1.6
Lead 210 precision (±)	pCi/L	0.8	0.8	0.8	0.8
Lead 210 MDC	pCi/L	1.3	1.3	1.3	1.4
Radium 226	pCi/L	4.9	4.8	4.6	4.7
Radium 226 precision (±)	pCi/L	0.44	0.50	0.42	0.45
Radium 226 MDC	pCi/L	0.15	0.21	0.16	0.16
Radium 228	pCi/L	6.8	5.9	6.3	6.4
Radium 228 precision (±)	pCi/L	0.89	0.76	0.82	0.80
Radium 228 MDC	pCi/L	1.0	0.85	0.96	0.92
Thorium 230	pCi/L	0.1	0.05	0.03	0.05
Thorium 230 precision (±)	pCi/L	0.08	0.09	0.08	0.06
Thorium 230 MDC	pCi/L	0.1	0.2	0.2	0.1
A/C Balance (± 5)	%	-0.720	0.144	1.39	-1.73
Anions	meq/L	52.4	51.0	51.9	51.5
Cations	meq/L	51.6	51.1	53.4	49.8
Solids, Total Dissolved Calculated	mg/L	3340	3260	3340	3250
TDS Balance (0.80 - 1.20)		1.02	1.02	1.00	1.04
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.

UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3 Monitor Wells					
Well ID:		717	717	717	717
Collection Date:		10/11/2011	7/19/2011	4/6/2011	1/11/2011
Receive Date:		10/14/2011	7/22/2011	4/8/2011	1/14/2011
Report Date:		11/30/2011	9/19/2011	5/25/2011	2/18/2011
Analyte	RUnits	C11100573-009	C11070807-008	C11040306-003	C11010448-005
Bicarbonate as HCO ₃	mg/L	ND(5)	ND(5)	ND(5)	ND(5)
Calcium	mg/L	460	470	471	450
Chloride	mg/L	71	66	63	69
Magnesium	mg/L	516	532	520	520
Nitrogen, Ammonia as N	mg/L	61	56	62	64
Nitrogen, Nitrate+Nitrite as N	mg/L	32	27	22	20
Potassium	mg/L	13	13	12	12
Sodium	mg/L	184	182	180	166
Sulfate	mg/L	4720	4900	4860	4690
pH	s.u.	4.39	4.21	4.40	4.29
Solids, Total Dissolved TDS @ 180 C	mg/L	6200	6140	6570	6250
Aluminum	mg/L	125	126	129	143
Beryllium	mg/L	0.10	0.09	0.10	0.09
Cadmium	mg/L	0.015	0.018	0.014	0.011
Cobalt	mg/L	0.96	0.98	1.00	1.02
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	21.2	20.2	20.6	20.8
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.89	0.92	0.87	0.91
Uranium	mg/L	0.0261	0.188	0.0423	0.0482
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.004	ND(0.001)	0.001	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	18.8	19.4	21.1	23.5
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.3	1.3	1.4	1.7
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.3	0.4	0.6
Lead 210	pCi/L	2.3	1.2	2.9	2.9
Lead 210 precision (±)	pCi/L	0.8	0.8	0.9	0.9
Lead 210 MDC	pCi/L	1.3	1.3	1.5	1.4
Radium 226	pCi/L	13	15	12	20
Radium 226 precision (±)	pCi/L	0.71	0.86	0.62	0.91
Radium 226 MDC	pCi/L	0.14	0.20	0.12	0.16
Radium 228	pCi/L	22	24	25	23
Radium 228 precision (±)	pCi/L	1.3	1.2	1.3	1.2
Radium 228 MDC	pCi/L	0.99	0.83	0.94	0.93
Thorium 230	pCi/L	1.4	1.5	0.8	0.5
Thorium 230 precision (±)	pCi/L	0.9	1.2	0.7	0.6
Thorium 230 MDC	pCi/L	1	1.6	1.0	0.9
A/C Balance (± 5)	%	-4.45	-5.86	-5.10	-3.76
Anions	meq/L	103	106	105	102
Cations	meq/L	94.1	94.4	95.0	94.2
Solids, Total Dissolved Calculated	mg/L	6150	6330	6270	6050
TDS Balance (0.80 - 1.20)		1.01	0.970	1.05	1.03
Trihalomethanes, Total	ug/L	4.16	4.52	4.08	3.38

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

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:		10/11/2011	7/19/2011	4/12/2011	1/11/2011
Receive Date:		10/14/2011	7/22/2011	4/15/2011	1/14/2011
Report Date:		11/30/2011	9/19/2011	6/13/2011	2/18/2011
Analyte	RUnits	C11100573-010	C11070807-009	C11040505-009	C11010448-008
Bicarbonate as HCO ₃	mg/L	ND(5)	ND(5)	ND(5)	97
Calcium	mg/L	585	585	594	576
Chloride	mg/L	32	32	34	37
Magnesium	mg/L	316	297	278	262
Nitrogen, Ammonia as N	mg/L	3.1	3.6	4.03	3.8
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.1)
Potassium	mg/L	11	11	12	10
Sodium	mg/L	138	136	141	128
Sulfate	mg/L	3340	3090	3060	2850
pH	s.u.	3.03	3.33	3.82	7.04
Solids, Total Dissolved TDS @ 180 C	mg/L	4170	4180	4220	4170
Aluminum	mg/L	5.9	4.6	4.4	7.1
Beryllium	mg/L	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	0.72	0.64	0.57	0.46
Lead	mg/L	0.05	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	6.96	6.31	6.36	6.51
Molybdenum	mg/L	ND(0.1)	0.2	0.5	1.0
Nickel	mg/L	0.85	0.73	0.56	0.47
Uranium	mg/L	0.0379	0.0568	0.101	0.0952
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	0.122	0.194	0.19
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	14.0	16.5	15.9	40.6
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.1	1.2	1.2	3.0
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.3	0.4	0.9
Lead 210	pCi/L	1.7	-0.3	2.4	1
Lead 210 precision (±)	pCi/L	0.8	0.8	0.8	0.8
Lead 210 MDC	pCi/L	1.3	1.3	1.3	1.4
Radium 226	pCi/L	15	16	14	14
Radium 226 precision (±)	pCi/L	0.71	0.90	0.78	0.77
Radium 226 MDC	pCi/L	0.13	0.20	0.18	0.16
Radium 228	pCi/L	17	15	15	13
Radium 228 precision (±)	pCi/L	1.1	1.1	1.1	0.99
Radium 228 MDC	pCi/L	0.95	1.0	1.1	0.92
Thorium 230	pCi/L	0.5	0.3	0.2	1.3
Thorium 230 precision (±)	pCi/L	0.3	0.3	0.4	0.6
Thorium 230 MDC	pCi/L	0.3	0.4	0.4	0.4
A/C Balance (± 5)	%	-2.69	-0.914	-1.86	-4.64
Anions	meq/L	70.4	65.3	64.7	61.9
Cations	meq/L	66.7	64.1	62.3	56.4
Solids, Total Dissolved Calculated	mg/L	4460	4190	4160	3940
TDS Balance (0.80 - 1.20)		0.930	1.00	1.01	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.

UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3 Monitor Wells					
Well ID:		PB-2	PB-2	PB-2	PB-2
Collection Date:		10/11/2011	7/20/2011	4/13/2011	1/17/2011
Receive Date:		10/14/2011	7/22/2011	4/15/2011	1/20/2011
Report Date:		11/30/2011	9/19/2011	5/24/2011	2/4/2011
Analyte	RUnits	C11100573-011	C11070807-022	C11040513-009	C11010609-001
Bicarbonate as HCO ₃	mg/L	46	43	65	41
Calcium	mg/L	551			
Chloride	mg/L	30	29	29	28
Magnesium	mg/L	485			
Nitrogen, Ammonia as N	mg/L	1.0			
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.5)			
Potassium	mg/L	12			
Sodium	mg/L	151			
Sulfate	mg/L	3830			
pH	s.u.	6.73	5.79	5.82	5.70
Solids, Total Dissolved TDS @ 180 C	mg/L	5200	5200	5280	5030
Aluminum	mg/L	7.1			
Beryllium	mg/L	ND(0.01)			
Cadmium	mg/L	ND(0.005)			
Cobalt	mg/L	0.52			
Lead	mg/L	ND(0.05)			
Manganese	mg/L	6.30			
Molybdenum	mg/L	0.5			
Nickel	mg/L	0.66			
Uranium	mg/L	0.0632			
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	15.6			
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.2			
Gross Alpha minus Rn & U MDC	pCi/L	0.4			
Lead 210	pCi/L	0.7			
Lead 210 precision (±)	pCi/L	0.8			
Lead 210 MDC	pCi/L	1.3			
Radium 226	pCi/L	15			
Radium 226 precision (±)	pCi/L	0.70			
Radium 226 MDC	pCi/L	0.13			
Radium 228	pCi/L	15			
Radium 228 precision (±)	pCi/L	1.2			
Radium 228 MDC	pCi/L	1.1			
Thorium 230	pCi/L	1.8			
Thorium 230 precision (±)	pCi/L	0.6			
Thorium 230 MDC	pCi/L	0.4			
A/C Balance (± 5)	%	-4.52			
Anions	meq/L	81.4			
Cations	meq/L	74.4			
Solids, Total Dissolved Calculated	mg/L	5120			
TDS Balance (0.80 - 1.20)		1.02			
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.

UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3 Monitor Wells					
Well ID:		RW-A	RW-A	RW-A	RW-A
Collection Date:		10/11/2011	7/20/2011	4/13/2011	1/11/2011
Receive Date:		10/14/2011	7/22/2011	4/15/2011	1/14/2011
Report Date:		11/30/2011	9/19/2011	5/24/2011	2/4/2011
Analyte	RUnits	C11100573-012	C11070807-023	C11040513-010	C11010444-001
Bicarbonate as HCO ₃	mg/L	220	238	248	260
Calcium	mg/L	560			
Chloride	mg/L	39	37	36	38
Magnesium	mg/L	301			
Nitrogen, Ammonia as N	mg/L	2.8			
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.5)			
Potassium	mg/L	10			
Sodium	mg/L	142			
Sulfate	mg/L	2830			
pH	s.u.	7.58	7.60	6.36	7.36
Solids, Total Dissolved TDS @ 180 C	mg/L	4100	4080	4080	3990
Aluminum	mg/L	ND(0.1)			
Beryllium	mg/L	ND(0.01)			
Cadmium	mg/L	ND(0.005)			
Cobalt	mg/L	0.25			
Lead	mg/L	ND(0.05)			
Manganese	mg/L	5.10			
Molybdenum	mg/L	0.2			
Nickel	mg/L	0.27			
Uranium	mg/L	0.105			
Vanadium	mg/L	ND(0.1)			
Arsenic-III	mg/L	ND(0.001)			
Selenium-IV	mg/L	ND(0.001)			
Gross Alpha minus Rn & U	pCi/L	13.6			
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.1			
Gross Alpha minus Rn & U MDC	pCi/L	0.4			
Lead 210	pCi/L	0.4			
Lead 210 precision (±)	pCi/L	0.8			
Lead 210 MDC	pCi/L	1.3			
Radium 226	pCi/L	13			
Radium 226 precision (±)	pCi/L	0.65			
Radium 226 MDC	pCi/L	0.13			
Radium 228	pCi/L	15			
Radium 228 precision (±)	pCi/L	1.2			
Radium 228 MDC	pCi/L	1.2			
Thorium 230	pCi/L	0.008			
Thorium 230 precision (±)	pCi/L	0.06			
Thorium 230 MDC	pCi/L	0.1			
A/C Balance (± 5)	%	-3.55			
Anions	meq/L	63.7			
Cations	meq/L	59.4			
Solids, Total Dissolved Calculated	mg/L	4010			
TDS Balance (0.80 - 1.20)		1.02			
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.

UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3 Monitor Wells					
Well ID:		RW-11	RW-11	RW-11	RW-11
Collection Date:		10/11/2011	10/12/2010	10/13/2009	10/14/2008
Receive Date:		10/14/2011	10/15/2010	10/15/2009	10/17/2008
Report Date:		11/30/2011	11/23/2010	11/30/2009	11/20/2008
Analyte	RUnits	C11100573-013	C10100652-014	C09100637-012	C08100852-006
Bicarbonate as HCO ₃	mg/L	209	242	238	247
Calcium	mg/L	556	561	547	541
Chloride	mg/L	38	35	32	41
Magnesium	mg/L	308	278	259	241
Nitrogen, Ammonia as N	mg/L	1.8	2.45	2.99	5.1
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.5)	ND(0.1)	ND(0.1)	ND(0.1)
Potassium	mg/L	11	10	10	10
Sodium	mg/L	144	144	130	132
Sulfate	mg/L	2800	2630	2530	2520
pH	s.u.	7.34	6.56	7.45	6.43
Solids, Total Dissolved TDS @ 180 C	mg/L	4130	3970	3800	3780
Aluminum	mg/L	ND(0.1)	0.3	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	0.21	0.18	0.16	0.15
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	4.68	3.93	4.27	4.93
Molybdenum	mg/L	0.1	0.8	0.2	0.3
Nickel	mg/L	0.24	0.20	0.18	0.17
Uranium	mg/L	0.134	0.246	0.134	0.130
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.006	0.001	ND(0.001)	0.004
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	10.1	12.4	10	12.8
Gross Alpha minus Rn & U Precision (±)	pCi/L	1	1.2	1.4	1.2
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.5	0.9	0.4
Lead 210	pCi/L	0.5	0.3	0.4	-0.2
Lead 210 precision (±)	pCi/L	0.8	1	2.2	3.0
Lead 210 MDC	pCi/L	1.3	1.6	3.7	5.1
Radium 226	pCi/L	9.6	10	9.3	18
Radium 226 precision (±)	pCi/L	0.56	0.62	0.53	0.89
Radium 226 MDC	pCi/L	0.13	0.15	0.10	0.23
Radium 228	pCi/L	13	17	13	20
Radium 228 precision (±)	pCi/L	1.2	1.1	1.1	1.4
Radium 228 MDC	pCi/L	1.2	0.89	1.0	1.2
Thorium 230	pCi/L	0.03	0.4	-0.004	0.1
Thorium 230 precision (±)	pCi/L	0.2	0.3	0.09	0.9
Thorium 230 MDC	pCi/L	0.4	0.4	0.2	
A/C Balance (± 5)	%	-2.56	-1.96	-2.61	-4.07
Anions	meq/L	62.9	59.6	57.4	57.7
Cations	meq/L	59.7	57.3	54.5	53.2
Solids, Total Dissolved Calculated	mg/L	3980	3770	3640	3610
TDS Balance (0.80 - 1.20)		1.04	1.05	1.04	1.05
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3 Monitor Wells					
Well ID:		PB-3	PB-3	PB-3	PB-3
Collection Date:		10/11/2011	7/19/2011	4/13/2011	1/12/2011
Receive Date:		10/14/2011	7/22/2011	4/15/2011	1/14/2011
Report Date:		11/30/2011	9/19/2011	5/24/2011	2/4/2011
Analyte	RUnits	C11100573-014	C11070807-015	C11040513-002	C11010444-003
Bicarbonate as HCO ₃	mg/L	237	253	274	236
Calcium	mg/L	508			
Chloride	mg/L	28	28	29	31
Magnesium	mg/L	232			
Nitrogen, Ammonia as N	mg/L	0.9			
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.5)			
Potassium	mg/L	10			
Sodium	mg/L	127			
Sulfate	mg/L	2330			
pH	s.u.	7.60	7.83	7.07	7.53
Solids, Total Dissolved TDS @ 180 C	mg/L	3490	3530	3600	3500
Aluminum	mg/L	0.1			
Beryllium	mg/L	ND(0.01)			
Cadmium	mg/L	ND(0.005)			
Cobalt	mg/L	0.09			
Lead	mg/L	ND(0.05)			
Manganese	mg/L	4.07			
Molybdenum	mg/L	0.4			
Nickel	mg/L	0.13			
Uranium	mg/L	0.192			
Vanadium	mg/L	ND(0.1)			
Arsenic-III	mg/L	0.003			
Selenium-IV	mg/L	ND(0.001)			
Gross Alpha minus Rn & U	pCi/L	7.1			
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.8			
Gross Alpha minus Rn & U MDC	pCi/L	0.4			
Lead 210	pCi/L	0.06			
Lead 210 precision (±)	pCi/L	0.8			
Lead 210 MDC	pCi/L	1.3			
Radium 226	pCi/L	7.0			
Radium 226 precision (±)	pCi/L	0.48			
Radium 226 MDC	pCi/L	0.13			
Radium 228	pCi/L	4.6			
Radium 228 precision (±)	pCi/L	0.90			
Radium 228 MDC	pCi/L	1.2			
Thorium 230	pCi/L	0.2			
Thorium 230 precision (±)	pCi/L	0.2			
Thorium 230 MDC	pCi/L	0.3			
A/C Balance (± 5)	%	-2.91			
Anions	meq/L	53.2			
Cations	meq/L	50.2			
Solids, Total Dissolved Calculated	mg/L	3370			
TDS Balance (0.80 - 1.20)		1.04			
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.**

UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3 Monitor Wells					
Well ID:		PB-4	PB-4	PB-4	PB-4
Collection Date:		10/11/2011	7/19/2011	4/13/2011	10/12/2010
Receive Date:		10/14/2011	7/22/2011	4/15/2011	10/15/2010
Report Date:		11/30/2011	9/19/2011	5/24/2011	11/4/2010
Analyte	RUnits	C11100573-015	C11070807-016	C11040513-003	C10100659-001
Bicarbonate as HCO ₃	mg/L	ND(5)	ND(5)	ND(5)	ND(5)
Calcium	mg/L	507			
Chloride	mg/L	31	28	29	25
Magnesium	mg/L	375			
Nitrogen, Ammonia as N	mg/L	0.6			
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.5)			
Potassium	mg/L	12			
Sodium	mg/L	141			
Sulfate	mg/L	5440			
pH	s.u.	2.79	2.81	2.83	2.94
Solids, Total Dissolved TDS @ 180 C	mg/L	6630	5270	5740	4280
Aluminum	mg/L	29.2			
Beryllium	mg/L	ND(0.01)			
Cadmium	mg/L	ND(0.005)			
Cobalt	mg/L	0.65			
Lead	mg/L	0.63			
Manganese	mg/L	6.06			
Molybdenum	mg/L	0.5			
Nickel	mg/L	0.91			
Uranium	mg/L	0.239			
Vanadium	mg/L	ND(0.1)			
Arsenic-III	mg/L	0.007			
Selenium-IV	mg/L	0.002			
Gross Alpha minus Rn & U	pCi/L	31.3			
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.7			
Gross Alpha minus Rn & U MDC	pCi/L	0.4			
Lead 210	pCi/L	12.7			
Lead 210 precision (±)	pCi/L	0.9			
Lead 210 MDC	pCi/L	1.2			
Radium 226	pCi/L	13			
Radium 226 precision (±)	pCi/L	0.67			
Radium 226 MDC	pCi/L	0.14			
Radium 228	pCi/L	9.5			
Radium 228 precision (±)	pCi/L	1.1			
Radium 228 MDC	pCi/L	1.3			
Thorium 230	pCi/L	25.7			
Thorium 230 precision (±)	pCi/L	4.7			
Thorium 230 MDC	pCi/L	0.5			
A/C Balance (± 5)	%	-8.98			
Anions	meq/L	114			
Cations	meq/L	95.4			
Solids, Total Dissolved Calculated	mg/L	6590			
TDS Balance (0.80 - 1.20)		1.01			
Trihalomethanes, Total	ug/L	ND(0.50)			

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3 Monitor Wells					
Well ID:		NW-5	NW-5	NW-5	NW-5
Collection Date:		10/11/2011	7/20/2011	4/13/2011	1/12/2011
Receive Date:		10/14/2011	7/22/2011	4/15/2011	1/14/2011
Report Date:		11/29/2011	9/19/2011	5/24/2011	2/4/2011
Analyte	RUnits	C11100576-001	C11070807-018	C11040513-007	C11010444-007
Bicarbonate as HCO ₃	mg/L	545	580	529	631
Chloride	mg/L	59	56	51	59
pH	s.u.	7.53	7.79	6.97	7.52
Solids, Total Dissolved TDS @ 180 C	mg/L	3660	3580	3610	3480

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3 Monitor Wells					
Well ID:		NW-3	NW-3	NW-3	NW-3
Collection Date:		10/11/2011	7/20/2011	4/13/2011	1/12/2011
Receive Date:		10/14/2011	7/22/2011	4/15/2011	1/14/2011
Report Date:		11/29/2011	9/19/2011	5/24/2011	2/4/2011
Analyte	RUnits	C11100576-002	C11070807-017	C11040513-008	C11010444-008
Bicarbonate as HCO ₃	mg/L	375	426	490	534
Chloride	mg/L	47	50	50	53
pH	s.u.	7.31	7.28	6.94	7.60
Solids, Total Dissolved TDS @ 180 C	mg/L	3750	3760	3850	3790

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

UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3 Monitor Wells					
Well ID:		MW-6	MW-6		
Collection Date:		10/11/2011	7/19/2011		
Receive Date:		10/14/2011	7/22/2011		
Report Date:		11/29/2011	9/19/2011		
Analyte	RUnits	C11100576-003	C11070807-010		
Bicarbonate as HCO ₃	mg/L	191	225		
Calcium	mg/L		458		
Chloride	mg/L	32	35		
Magnesium	mg/L		328		
Nitrogen, Ammonia as N	mg/L		0.35		
Nitrogen, Nitrate+Nitrite as N	mg/L		ND(0.5)		
Potassium	mg/L		10		
Sodium	mg/L		184		
Sulfate	mg/L		2610		
pH	s.u.	7.49	7.29		
Solids, Total Dissolved TDS @ 180 C	mg/L	4130	3970		
Aluminum	mg/L		0.1		
Beryllium	mg/L		ND(0.01)		
Cadmium	mg/L		ND(0.005)		
Cobalt	mg/L		0.11		
Lead	mg/L		ND(0.05)		
Manganese	mg/L		3.49		
Molybdenum	mg/L		5.5		
Nickel	mg/L		0.16		
Uranium	mg/L		0.0882		
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		1.6		
Gross Alpha minus Rn & U MDC	pCi/L		0.3		
Gross Alpha minus Rn & U Precision (±)	pCi/L		0.4		
Lead 210	pCi/L		-0.5		
Lead 210 MDC	pCi/L		1.3		
Lead 210 precision (±)	pCi/L		0.8		
Radium 226	pCi/L		1.4		
Radium 226 MDC	pCi/L		0.20		
Radium 226 precision (±)	pCi/L		0.29		
Radium 228	pCi/L		2.0		
Radium 228 MDC	pCi/L		0.82		
Radium 228 precision (±)	pCi/L		0.58		
Thorium 230	pCi/L		0.01		
Thorium 230 MDC	pCi/L		0.2		
Thorium 230 precision (±)	pCi/L		0.09		
A/C Balance (± 5)	%		-0.839		
Anions	meq/L		59.1		
Cations	meq/L		58.1		
Solids, Total Dissolved Calculated	mg/L		3770		
TDS Balance (0.80 - 1.20)			1.05		
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.**

UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3 Monitor Wells					
Well ID:		MW-7	MW-7		
Collection Date:		10/11/2011	7/19/2011		
Receive Date:		10/14/2011	7/22/2011		
Report Date:		11/29/2011	9/19/2011		
Analyte	RUnits	C11100576-004	C11070807-011		
Bicarbonate as HCO ₃	mg/L	459	542		
Calcium	mg/L		640		
Chloride	mg/L	53	52		
Magnesium	mg/L		167		
Nitrogen, Ammonia as N	mg/L		0.45		
Nitrogen, Nitrate+Nitrite as N	mg/L		ND(0.5)		
Potassium	mg/L		6		
Sodium	mg/L		155		
Sulfate	mg/L		2030		
pH	s.u.	7.44	7.68		
Solids, Total Dissolved TDS @ 180 C	mg/L	3650	3660		
Aluminum	mg/L		ND(0.1)		
Beryllium	mg/L		ND(0.01)		
Cadmium	mg/L		ND(0.005)		
Cobalt	mg/L		0.03		
Lead	mg/L		ND(0.05)		
Manganese	mg/L		2.51		
Molybdenum	mg/L		0.8		
Nickel	mg/L		0.06		
Uranium	mg/L		0.162		
Vanadium	mg/L		ND(0.1)		
Arsenic-III	mg/L		0.044		
Selenium-IV	mg/L		ND(0.001)		
Gross Alpha minus Rn & U	pCi/L		5.2		
Gross Alpha minus Rn & U MDC	pCi/L		0.3		
Gross Alpha minus Rn & U Precision (±)	pCi/L		0.7		
Lead 210	pCi/L		-0.5		
Lead 210 MDC	pCi/L		1.3		
Lead 210 precision (±)	pCi/L		0.8		
Radium 226	pCi/L		7.0		
Radium 226 MDC	pCi/L		0.21		
Radium 226 precision (±)	pCi/L		0.60		
Radium 228	pCi/L		6.1		
Radium 228 MDC	pCi/L		1.0		
Radium 228 precision (±)	pCi/L		0.89		
Thorium 230	pCi/L		0.03		
Thorium 230 MDC	pCi/L		0.2		
Thorium 230 precision (±)	pCi/L		0.08		
A/C Balance (± 5)	%		-0.00173		
Anions	meq/L		52.6		
Cations	meq/L		52.6		
Solids, Total Dissolved Calculated	mg/L		3330		
TDS Balance (0.80 - 1.20)			1.10		
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.

UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3 Monitor Wells					
Well ID:		NW-2	NW-2	NW-2	NW-2
Collection Date:		10/11/2011	7/20/2011	4/13/2011	1/12/2011
Receive Date:		10/14/2011	7/22/2011	4/15/2011	1/14/2011
Report Date:		11/29/2011	9/19/2011	5/24/2011	2/4/2011
Analyte	RUnits	C11100576-005	C11070807-019	C11040513-006	C11010444-006
Bicarbonate as HCO ₃	mg/L	337	378	388	386
Chloride	mg/L	43	42	43	46
pH	s.u.	7.54	7.53	6.59	7.63
Solids, Total Dissolved TDS @ 180 C	mg/L	3690	3660	3770	3580

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

UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3 Monitor Wells					
Well ID:		NW-4	NW-4	NW-4	NW-4
Collection Date:		10/11/2011	7/20/2011	4/13/2011	1/12/2011
Receive Date:		10/14/2011	7/22/2011	4/15/2011	1/14/2011
Report Date:		11/29/2011	9/19/2011	5/24/2011	2/4/2011
Analyte	RUnits	C11100576-006	C11070807-021	C11040513-005	C11010444-004
Bicarbonate as HCO ₃	mg/L	150	148	152	163
Chloride	mg/L	29	29	31	29
pH	s.u.	7.17	7.17	6.32	6.38
Solids, Total Dissolved TDS @ 180 C	mg/L	4470	4420	4510	4280

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

UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3 Monitor Wells					
Well ID:		NW-1	NW-1	NW-1	NW-1
Collection Date:		10/11/2011	7/20/2011	4/13/2011	1/12/2011
Receive Date:		10/14/2011	7/22/2011	4/15/2011	1/14/2011
Report Date:		11/29/2011	9/19/2011	5/24/2011	2/4/2011
Analyte	RUnits	C11100576-007	C11070807-020	C11040513-004	C11010444-005
Bicarbonate as HCO ₃	mg/L	246	128	153	141
Chloride	mg/L	36	25	26	26
pH	s.u.	6.99	6.67	6.60	7.26
Solids, Total Dissolved TDS @ 180 C	mg/L	4090	4630	4600	4460

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