

TABLE C.1
Zone 1 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 as N	NO3 as N	TTHMs (Chloroform)	Al	As	Be
			Elevation	pH	pH														
			ft amsl	SU	SU														
NRC Standard			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA	0.05	0.05
EPA Standard			NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
0515 A	N	1/5/2011	6,904.43	7.21	7.06	7880 D	467 D	936	506 D	17	321	5060 D	288 D	29 D	53 D	204	0.3	<0.001	<0.01
0515 A	N	4/5/2011	6,904.48	6.83	6.59	8690 D	454	1070	588 D	20	417	5420 D	319 D	36 D	49 D	116	0.1	<0.001	<0.01
0515 A	N	7/13/2011	6,904.23	6.79	7.54	9520 D	480	1220	636 D	20	729	5970 D	363 D	35 D	44 D	84.4	0.8	<0.001	<0.01
0515 A	N	10/5/2011	6,904.26	6.12	7.37	9740 D	455	1180	595 D	20	727	5990 D	360 D	40 D	44 D	83.6	0.1	<0.001	<0.01
0516 A	N	7/23/1989	6,918.70	4.20	4.08	12629	454	1519	399	9.29	0	8605	207	30.5	146	< 1	240	< 0.001	< 0.05
0516 A	N	10/12/1989	6,918.50	4.40	4.22	11560	449	1343	358	13.6	0	6992	264	39.8	188	< 1	150	< 0.001	< 0.05
0516 A	N	1/10/1990	6,917.80	4.40	4.31	10892	463	1281	409	11.7	< 1	6654	230	25	181	< 1	110	< 0.001	< 0.05
0516 A	N	4/6/1990	6,917.40	4.50	4.27	11343	463	1300	379	12.1	< 1	6989	216	57.3	186	< 1	130	< 0.001	< 0.05
0516 A	N	7/3/1990	6,916.40	4.20	4.28	11462	472	1212	359	10.2	< 1	7003	216	95.5	208	< 1	144	< 0.001	< 0.05
0516 A	N	10/9/1990	6,915.60	4.60	4.51	10430	429	1243	416	13.3	0.1	6467	203	78	208	< 1	80.3	< 0.001	< 0.05
0516 A	N	1/15/1991	6,915.10	4.60	4.50	10179	482	1207	436	19.4	< 1	5983	261	80.8	240	< 1	42.6	< 0.001	0.01
0516 A	N	4/2/1991	6,914.40	4.90	4.99	10493	464	1250	387	13.4	25	6165	267	97.9	240	< 1	20.5	< 0.001	< 0.01
0516 A	N	7/17/1991	6,913.80	4.80	5.75	9771	430	1097	390	12.8	100	6873	326	74	281	< 1	12.3	< 0.001	< 0.01
0516 A	N	9/4/1991	no data	no data	5.58	10598	444	1299	394	13.2	173	6936	215	144	59	< 1	8.6	< 0.001	< 0.01
0516 A	N	10/15/1991	6,911.40	5.10	6.39	9878	450	1068	451	16.5	213	6047	275	99	234	< 1	4.18	< 0.001	< 0.01
0516 A	N	11/4/1991	no data	no data	5.88	10139	490	875	392	13.6	381	5597	299	113	135	1.7	5.84	< 0.001	< 0.01
0516 A	N	12/2/1991	no data	no data	6.35	9819	471	879	375	13.8	340	5046	259	132	147	1.3	3.2	< 0.001	< 0.01
0516 A	N	1/15/1992	6,913.20	4.90	4.70	9588	403	1186	364	11.9	21.6	6079	241	201	93.5	1.2	22.2	< 0.001	0.01
0516 A	N	4/8/1992	6,912.90	4.90	5.51	10129	444	669	395	15.1	83	6152	369	117	97.1	1.6	11.4	0.002	0.01
0516 A	N	7/8/1992	6,912.40	4.80	6.21	9577	495	916	413	25.2	117	6065	234	129	119	1.4	6.56	< 0.001	< 0.01
0516 A	N	10/7/1992	6,912.20	5.00	5.19	9800	492	1090	433	17.2	73.2	6244	229	80.1	15.9	1.3	29.3	0.001	< 0.01
0516 A	N	1/6/1993	6,912.10	5.10	5.70	8137	502	889	398	15.5	168	5252	245	93.7	144	2.1	7.8	< 0.001	0.01
0516 A	N	4/6/1993	6,911.80	5.40	6.26	9954	423	1037	456	13.7	250	6106	252	112	141	1.8	2.9	< 0.001	< 0.01
0516 A	N	7/13/1993	6,911.20	5.60	6.48	9291	485	1102	401	14.4	421	5879	241	92.9	142	2.3	2	< 0.001	< 0.01
0516 A	N	10/7/1993	6,910.50	5.80	6.16	9168	481	1109	417	13.3	348	5596	255	101	169	1.6	2.4	< 0.001	< 0.01
0516 A	N	1/6/1994	6,910.70	5.70	6.26	10048	478	1044	445	12.7	477	5747	237	112	150	2.5	2.87	< 0.001	< 0.01
0516 A	N	4/12/1994	6,910.20	5.80	6.52	9862	472	1121	413	14.6	610	5815	249	138	155	0.87	0.97	< 0.001	< 0.01
0516 A	N	7/20/1994	6,906.80	6.00	6.96	10276	526	1293	389	17.6	953	6286	246	149	157	2.04	0.46	< 0.001	< 0.01
0516 A	N	10/4/1994	6,909.50	6.20	7.37	10221	533	1221	488	17.2	949	6371	249	164	138	1.6	< 0.1	< 0.001	< 0.01
0516 A	N	1/4/1995	6,909.10	6.10	7.01	10761	495	1245	458	19	939	6901	255	198	130	1.8	0.24	< 0.001	< 0.01
0516 A	N	4/5/1995	6,908.80	6.10	6.36	10757	505	1275	478	20.7	1069	6510	255	180	133	1.3	0.12	< 0.001	< 0.01
0516 A	N	7/6/1995	6,903.90	6.20	7.21	10428	491	1290	476	18.7	1302	6259	258	164	129	1.9	< 0.1	< 0.001	< 0.01
0516 A	N	10/3/1995	6,903.70	6.10	7.44	10761	527	1298	450	19.4	1332	6394	238	178	126	1.72	< 0.1	0.001	< 0.01
0516 A	N	1/3/1996	6,908.20	6.40	7.03	11314	469	1340	485	18.5	1302	6480	237	137	142	1.76	< 0.1	0.001	< 0.01
0516 A	N	4/2/1996	6,904.10	6.40	7.29	11345	527	1530	491	19	1320	7150	259	152	146	2.09	< 0.1	0.002	< 0.01
0516 A	N	7/7/1996	6,904.20	6.10	7.15	11529	465	1480	485	19.6	1309	6190	240	150	134	2.56	< 0.1	< 0.001	< 0.01
0516 A	N	10/1/1996	6,903.80	6.40	6.93	11500	494	1600	485	18.9	1270	6640	247	149	128	2.13	< 0.1	< 0.001	< 0.01
0516 A	N	1/22/1997	6,903.70	6.10	7.36	11200	510	1560	481	20.5	1420	6760	241	155	110	2.46	< 0.1	< 0.001	< 0.01

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Location ID	Desc	Sample Date	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	pCi/l	pCi/l	pCi/l	pCi/l	
NRC Standard			0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	9.4	5	1	15
EPA Standard			0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
0515 A	N	1/5/2011	<0.005	0.02	<0.05	16.7	<0.1	0.18	<0.001	<0.1	0.0026	2.2	3.4	5.6	0.02 U	0.3 U	2.7
0515 A	N	4/5/2011	<0.005	0.02	<0.05	15.4	<0.1	0.16	<0.001	<0.1	0.0047 B	1.3	3.3	4.6	0.06 U	-0.9 U	2
0515 A	N	7/13/2011	<0.005	0.02	<0.05	13.7	<0.1	0.11	<0.001	<0.1	0.0081	1.4	2.5	3.9	0.1 U	0.5 U	1.8
0515 A	N	10/5/2011	<0.005	0.02	<0.05	11.6	<0.1	0.1	<0.001	<0.1	0.0074	1.9	2.2	4.1	0.01 U	-0.4 U	1.6
0516 A	N	7/23/1989	<0.01	0.45	<0.05	37	<0.1	0.051	<0.001	<0.1	0.0023	13.6	8.3	21.9	<0.2	2.9	53.8
0516 A	N	10/12/1989	<0.01	0.4	0.12	29	<0.01	0.41	0.01	<0.1	0.005	2.9	18.5	21.4	<0.2	1.8	2.5
0516 A	N	1/10/1990	<0.01	0.42	<0.05	25	<0.1	0.35	<0.001	<0.1	0.003	2.9	4.8	7.7	<0.2	<1	3.5
0516 A	N	4/6/1990	<0.01	0.35	<0.05	27	<0.1	0.34	<0.001	<0.1	0.004	3.7	2.9	6.6	<0.2	<1	4
0516 A	N	7/3/1990	<0.01	0.25	<0.05	28	<0.1	0.45	0.001	<0.1	0.0029	3.4	2.9	6.3	<0.2	<1	3
0516 A	N	10/9/1990	<0.01	0.25	<0.05	21.9	<0.1	0.3	<0.001	<0.1	0.0035	3.3	4.6	7.9	<0.2	<1	4
0516 A	N	1/15/1991	<0.01	0.24	<0.05	20.6	<0.1	0.32	<0.001	<0.1	0.0028	6.5	6.4	12.9	<0.2	<1	6.7
0516 A	N	4/2/1991	<0.01	0.19	<0.05	20.3	<0.1	0.26	<0.001	<0.1	0.0003	6	6.8	12.8	<0.2	3.3	6
0516 A	N	7/17/1991	<0.01	0.22	<0.05	18.7	<0.1	0.27	0.002	<0.1	0.001	2.3	3.1	5.4	<0.2	<1	2
0516 A	N	9/4/1991	<0.01	0.21	<0.05	17.7	<0.1	0.32	0.001	<0.1	0.0021	1.5	4.7	6.2	<0.2	1.2	2
0516 A	N	10/15/1991	<0.01	0.18	<0.05	15.3	<0.1	0.22	0.002	<0.1	0.004	1.3	9.5	10.8	<0.2	<1	1
0516 A	N	11/4/1991	<0.01	0.12	<0.05	15.3	<0.1	0.17	0.002	<0.1	0.0157	2	8.3	10.3	<0.2	2.3	2
0516 A	N	12/2/1991	<0.01	0.14	<0.05	11.6	<0.1	0.19	<0.001	<0.1	0.0009	4	7.8	11.8	<0.2	<1	4
0516 A	N	1/15/1992	<0.01	0.21	<0.05	19.2	<0.1	0.29	0.063	<0.1	0.063	2.4	8.9	11.3	<0.2	<1	2
0516 A	N	4/8/1992	<0.01	0.2	<0.05	15.8	<0.1	0.22	0.001	<0.1	0.001	1.8	9.8	11.6	<0.2	<1	2
0516 A	N	7/8/1992	<0.01	0.17	<0.05	16.2	<0.1	0.21	<0.001	<0.1	0.002	2.1	7.2	9.3	<0.2	2.6	2.5
0516 A	N	10/7/1992	<0.01	0.23	<0.05	18	<0.1	0.28	0.003	<0.1	<0.0003	4.1	5.9	10	<0.2	3	4.6
0516 A	N	1/6/1993	<0.01	0.41	<0.05	16	<0.1	0.37	0.009	<0.1	0.005	3.5	3.6	7.1	<0.2	<1	3.9
0516 A	N	4/6/1993	<0.01	0.14	<0.05	13	<0.1	0.21	0.001	<0.1	0.004	1.8	1.4	3.2	<0.2	2.6	2
0516 A	N	7/13/1993	<0.01	0.13	<0.05	10.3	<0.1	0.17	0.005	<0.1	0.003	1.5	4.2	5.7	<0.2	3	2
0516 A	N	10/7/1993	<0.01	0.18	<0.05	12.4	<0.1	0.22	0.002	<0.1	0.007	3.7	4	7.7	<0.2	<1	4
0516 A	N	1/6/1994	<0.01	0.11	<0.05	10.2	<0.1	0.15	<0.001	<0.1	0.001	3.6	1.5	5.1	<0.2	<1	6.8
0516 A	N	4/12/1994	<0.01	0.08	<0.05	7.8	<0.1	0.14	0.001	<0.1	0.003	2.9	5.5	8.4	<0.2	1.5	11.3
0516 A	N	7/20/1994	<0.01	0.05	<0.05	4.95	<0.1	0.08	<0.001	<0.1	0.011	3.8	3.1	6.9	<0.2	<1	8.6
0516 A	N	10/4/1994	<0.01	<0.01	<0.05	5.22	<0.1	<0.05	0.001	<0.1	0.013	4.3	<1	4.3	<0.2	3.4	4.5
0516 A	N	1/4/1995	<0.01	0.04	<0.05	4.74	<0.1	0.08	<0.001	<0.1	0.01	1.4	2.9	4.3	<0.2	2	5.9
0516 A	N	4/5/1995	<0.01	<0.01	<0.05	3.74	<0.1	<0.05	0.001	<0.1	0.016	1.4	2.2	3.6	<0.2	3.1	4.9
0516 A	N	7/6/1995	<0.01	<0.01	<0.05	2.7	<0.1	<0.05	0.003	<0.1	0.0183	0.9	<1	0.9	0.2	<1	2
0516 A	N	10/3/1995	<0.01	<0.01	<0.05	2.54	<0.1	<0.05	0.001	<0.1	0.0256	1.3	<1	1.3	<0.2	<1	2.5
0516 A	N	1/3/1996	<0.01	<0.01	<0.05	2.34	<0.1	<0.05	<0.001	<0.1	0.014	1.1	1.4	2.5	<0.2	1.7	2.7
0516 A	N	4/2/1996	<0.01	<0.01	<0.05	2.1	<0.1	<0.05	<0.001	<0.1	0.014	0.8	<1	0.8	<0.2	<1	1.4
0516 A	N	7/7/1996	<0.01	<0.01	<0.05	2	<0.1	<0.05	<0.001	<0.1	0.018	0.7	<1	0.7	<0.2	<1	<1
0516 A	N	10/1/1996	<0.01	0.02	<0.05	2.2	<0.1	<0.05	0.002	<0.1	0.013	0.9	<1	0.9	<0.2	<1	<1
0516 A	N	1/22/1997	<0.01	<0.01	<0.05	1.79	<0.1	<0.05	<0.001	<0.1	0.016	1.2	3.2	4.4	<0.2	<1	<1

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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	As	Be
			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	mg/l
NRC Standard			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA	0.05	0.05
EPA Standard			NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
0516 A	N	4/8/1997	6,902.20	6.30	7.57	11500	457	1320	484	19.7	1360	6500	258	136	126	2.06	< 0.1	< 0.001	< 0.01
0516 A	N	7/8/1997	6,902.10	6.70	7.61	11700	528	1580	507	19.7	1360	7120	271	135	124	2.26	< 0.1	< 0.001	< 0.01
0516 A	N	10/7/1997	6,901.40	6.30	7.45	11600	516	1480	480	18.4	1370	6530	258	132	106	2.5	< 0.1	< 0.001	< 0.01
0516 A	N	1/15/1998	6,902.50	6.40	7.59	11600	474	1450	493	20.2	1370	7100	293	129	137	2.9	< 0.1	< 0.001	< 0.01
0516 A	N	4/7/1998	6,901.40	6.20	7.39	11800	450	1310	469	18.2	1360	6220	230	141	116	3	< 0.1	< 0.001	< 0.01
0516 A	N	7/7/1998	6,902.10	6.50	7.36	11800	491	1450	492	18.5	1380	6500	257	145	117	3	< 0.1	< 0.001	< 0.01
0516 A	N	10/6/1998	6,902.10	6.25	7.66	11800	478	1460	514	20.7	1390	7000	256	140	132	2.9	< 0.1	< 0.001	< 0.01
0516 A	N	1/5/1999	6,902.20	6.40	7.57	11900	421	1400	446	19.2	1350	7100	259	152	103	2.2	< 0.1	< 0.001	< 0.01
0516 A	N	4/6/1999	6,902.40	6.30	7.28	11900	456	1480	461	17.7	1350	6840	246	137	118	1.8	< 0.1	< 0.001	< 0.01
0516 A	N	7/13/1999	6,901.04	6.50	7.78	11900	485	1540	518	24.9	1370	6920	254	137	106	2.6	< 0.1	< 0.001	< 0.01
0516 A	N	10/5/1999	6,900.00	6.40	7.71	11900	553	1770	458	18.5	1387	8030	261	143	111	2.7	< 0.1	< 0.001	< 0.01
0516 A	N	1/4/2000	6,899.60	6.30	7.64	11700	459	1520	408	18.1	1290	6590	228	137	113	2.7	< 0.1	< 0.001	< 0.01
EPA 02	N	7/26/1989	6,843.90	6.80	6.80	3959	526	275	267	8.9	256	2463	32.1	0.89	0.01	< 1	0.37	< 0.001	< 0.05
EPA 02	N	10/5/1989	6,844.30	6.40	7.00	4088	528	264	268	11.7	262	2589	29.7	0.89	0.08	< 1	< 0.1	< 0.001	< 0.05
EPA 02	N	1/17/1990	6,844.80	6.20	6.62	3622	446	216	265	8.2	293	2197	29.3	0.77	0.12	< 1	< 0.1	0.001	< 0.05
EPA 02	N	4/18/1990	6,845.00	6.50	6.80	3704	440	220	250	7.8	293	2173	30.3	0.88	0.03	< 1	< 0.1	< 0.001	< 0.05
EPA 02	N	7/17/1990	6,844.90	6.60	6.70	3623	479	208	253	8.5	305	2104	28.8	0.51	0.05	< 1	< 0.1	< 0.001	< 0.05
EPA 02	N	10/16/1990	6,845.10	6.40	7.17	3965	445	230	259	7.5	259	2462	36.2	0.79	0.01	< 1	< 0.1	< 0.001	< 0.05
EPA 02	N	1/8/1991	6,845.30	6.50	6.85	3834	451	236	263	11	264	2388	35.6	0.76	0.01	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	4/17/1991	6,845.80	6.30	7.37	3708	452	238	268	7.6	284	2300	24.6	0.67	< 0.01	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	7/3/1991	6,846.00	6.40	6.83	4500	523	285	230	7.8	183	3175	38.1	1.07	< 0.01	< 1	0.3	< 0.001	< 0.01
EPA 02	N	10/22/1991	6,846.50	6.40	6.59	3843	475	244	242	7.7	275	2435	34.4	0.96	0.04	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	1/23/1992	6,846.70	6.50	7.02	3478	455	235	229	7.4	226	2364	32.6	0.88	< 0.01	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	4/2/1992	6,847.10	6.40	7.86	3799	483	243	279	8.4	282	2486	29.5	0.92	< 0.01	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	7/16/1992	6,846.50	6.50	6.71	3885	412	224	290	9	237	2606	33.4	0.58	0.2	< 1	0.13	< 0.001	< 0.01
EPA 02	N	10/15/1992	6,846.70	6.30	7.02	4554	580	300	286	10.6	198	2890	36.1	0.92	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	1/14/1993	6,847.00	6.60	7.12	3380	436	196	213	8.3	276	2201	29	0.88	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	4/15/1993	6,847.50	6.60	7.68	3534	455	186	255	6.3	270	2292	30.4	0.67	0.2	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	7/21/1993	6,848.20	6.60	7.43	3321	458	207	256	8	315	2247	24.3	0.4	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	10/12/1993	6,845.50	6.70	6.50	3692	498	222	231	7.2	300	2274	29.6	0.57	< 0.1	< 1	0.1	< 0.001	< 0.01
EPA 02	N	1/11/1994	6,847.80	6.70	7.10	2674	353	160	194	5.6	300	1765	26.3	0.55	< 0.1	< 1	0.13	< 0.001	< 0.01
EPA 02	N	4/19/1994	6,847.90	6.60	8.05	2781	357	159	223	6.9	284	1771	24.3	0.78	< 0.1	< 1	< 0.1	0.001	< 0.01
EPA 02	N	7/26/1994	6,848.10	6.70	6.93	3353	469	216	223	6.8	273	2026	26.6	0.59	< 0.1	< 1	0.16	< 0.001	< 0.01
EPA 02	N	10/11/1994	6,848.00	6.70	7.70	3036	462	182	222	6.4	304	2057	25.2	0.71	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	1/10/1995	6,848.10	6.60	7.16	3316	486	144	208	7.6	294	2057	27.5	0.98	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	4/6/1995	6,848.50	6.70	6.91	3267	423	183	216	6.72	295	2070	26.5	1.06	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	7/11/1995	6,848.40	6.80	7.14	2674	390	177	203	6.2	325	1705	25.4	0.81	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	10/10/1995	6,842.60	6.70	7.43	2782	393	156	216	6.4	321	1741	24.2	0.6	< 0.1	< 1	< 0.1	0.001	< 0.01

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

Location ID	Desc	Sample Date	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	pci/l	pci/l	pci/l	pci/l	pci/l
NRC Standard			0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	9.4	5	1	15
EPA Standard			0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
0516 A	N	4/8/1997	< 0.01	< 0.01	< 0.05	1.77	< 0.1	< 0.05	0.078	< 0.1	0.016	1	4.2	5.2	< 0.2	< 1	< 1
0516 A	N	7/8/1997	< 0.01	< 0.01	< 0.05	1.8	< 0.1	< 0.05	< 0.001	< 0.1	0.015	0.8	< 1	0.8	< 0.2	< 1	< 1
0516 A	N	10/7/1997	< 0.01	0.02	< 0.05	1.83	< 0.1	< 0.05	< 0.001	< 0.1	0.015	1.2	< 1	1.2	< 0.2	< 1	< 1
0516 A	N	1/15/1998	< 0.005	< 0.01	< 0.05	2.03	< 0.1	< 0.05	< 0.001	< 0.1	0.023	1.1	< 1	1.1	< 0.2	< 1	< 1
0516 A	N	4/7/1998	< 0.005	< 0.01	< 0.05	1.61	< 0.1	< 0.05	< 0.001	< 0.1	0.019	1.2	< 1	1.2	< 0.2	< 1	< 1
0516 A	N	7/7/1998	< 0.005	0.02	< 0.05	1.59	< 0.1	< 0.05	< 0.001	< 0.1	0.0181	1.1	< 1	1.1	< 0.2	< 1	2.2
0516 A	N	10/6/1998	< 0.005	< 0.01	< 0.05	1.57	< 0.1	< 0.05	< 0.001	< 0.1	0.0211	1.1	1.6	2.7	< 0.2	< 1	< 1
0516 A	N	1/5/1999	< 0.005	< 0.01	< 0.05	1.66	< 0.1	< 0.05	< 0.001	< 0.1	0.0189	0.8	1.9	2.7	< 0.2	< 1	< 1
0516 A	N	4/6/1999	< 0.005	< 0.01	< 0.05	1.59	< 0.1	< 0.05	0.001	< 0.1	0.0197	0.7	3.4	4.1	< 0.2	< 1	< 1
0516 A	N	7/13/1999	< 0.005	< 0.01	< 0.05	1.67	< 0.1	< 0.05	< 0.001	< 0.1	0.0199	0.7	< 1	0.7	< 0.2	< 1	< 1
0516 A	N	10/5/1999	< 0.005	< 0.01	< 0.05	2.11	< 0.1	< 0.05	< 0.001	< 0.1	0.0218	0.7	< 1	0.7	< 0.2	< 1	1.4
0516 A	N	1/4/2000	< 0.005	0.02	< 0.05	2.37	< 0.1	< 0.05	0.001	< 0.1	0.0178	1.2	< 1	1.2	< 0.2	< 1	1.2
EPA 02	N	7/26/1989	< 0.01	0.06	< 0.05	2.9	< 0.1	0.07	< 0.001	< 0.1	0.0178	1.6	< 1	1.6	1.4	< 1	< 1
EPA 02	N	10/5/1989	< 0.01	< 0.01	< 0.05	2.8	< 0.01	< 0.05	< 0.001	< 0.1	0.004	0.6	1.9	2.5	< 0.2	3.4	1.1
EPA 02	N	1/17/1990	< 0.01	< 0.01	< 0.05	2.6	< 0.1	< 0.05	< 0.001	< 0.1	0.003	0.6	< 1	0.6	0.4	< 1	1.1
EPA 02	N	4/18/1990	< 0.01	< 0.01	< 0.05	2.3	< 0.1	< 0.05	0.001	< 0.1	0.002	1.8	< 1	1.8	< 0.2	< 1	2.3
EPA 02	N	7/17/1990	< 0.01	< 0.01	< 0.05	2.29	< 0.1	< 0.05	< 0.001	< 0.1	0.0019	0.4	1.9	2.3	< 0.2	< 1	< 1
EPA 02	N	10/16/1990	< 0.01	0.01	< 0.05	2.57	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	0.9	< 1	0.9	< 0.2	< 1	< 1
EPA 02	N	1/8/1991	< 0.01	< 0.01	< 0.05	2.62	< 0.1	< 0.05	< 0.001	< 0.1	0.0196	< 0.2	2	2	< 0.2	< 1	< 1
EPA 02	N	4/17/1991	< 0.01	< 0.01	< 0.05	2.12	< 0.1	< 0.05	< 0.001	< 0.1	0.001	1	1.8	2.8	< 0.2	< 1	1
EPA 02	N	7/3/1991	< 0.01	< 0.01	< 0.05	3.02	0.03	< 0.05	< 0.001	< 0.1	< 0.0003	0.2	3.7	3.9	< 0.2	< 1	< 1
EPA 02	N	10/22/1991	< 0.01	0.02	< 0.05	2.09	< 0.1	< 0.05	< 0.001	< 0.1	0.001	0.2	3.7	3.9	< 0.2	< 1	< 1
EPA 02	N	1/23/1992	< 0.01	< 0.01	< 0.05	2.77	< 0.1	< 0.05	< 0.001	< 0.1	0.003	0.3	< 1	0.3	< 0.2	1.3	< 1
EPA 02	N	4/2/1992	< 0.01	< 0.01	< 0.05	2.46	< 0.1	< 0.05	< 0.001	< 0.1	0.009	0.2	4.4	4.6	< 0.2	3	< 1
EPA 02	N	7/16/1992	< 0.01	< 0.01	< 0.05	2.3	< 0.1	< 0.05	< 0.001	< 0.1	0.001	1.8	6.3	8.1	< 0.2	2.5	1.9
EPA 02	N	10/15/1992	< 0.01	< 0.01	< 0.05	3.23	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.2	6.3	7.5	< 0.2	2.1	1.3
EPA 02	N	1/14/1993	< 0.01	< 0.01	< 0.05	2.27	< 0.1	< 0.05	< 0.001	< 0.1	0.001	0.2	< 1	0.2	< 0.2	< 1	< 1
EPA 02	N	4/15/1993	< 0.01	< 0.01	< 0.05	2.15	< 0.1	< 0.05	< 0.001	< 0.1	0.001	0.5	< 1	0.5	< 0.2	1.6	< 1
EPA 02	N	7/21/1993	< 0.01	< 0.01	< 0.05	1.59	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	0.7	2.7	3.4	< 0.2	< 1	< 1
EPA 02	N	10/12/1993	< 0.01	0.01	< 0.05	2.11	< 0.1	< 0.05	< 0.001	< 0.1	0.002	1.4	2.1	3.5	< 0.2	2.8	4.5
EPA 02	N	1/11/1994	< 0.01	< 0.01	< 0.05	1.78	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	0.7	4.3	5	< 0.2	< 1	8.1
EPA 02	N	4/19/1994	< 0.01	0.02	< 0.05	2	< 0.1	< 0.05	< 0.001	< 0.1	0.001	0.8	2.1	2.9	< 0.2	< 1	4.1
EPA 02	N	7/26/1994	< 0.01	< 0.01	< 0.05	1.81	< 0.1	< 0.05	< 0.001	< 0.1	0.002	< 0.2	< 1	0	< 0.2	< 1	< 1
EPA 02	N	10/11/1994	< 0.01	< 0.01	< 0.05	1.52	< 0.1	< 0.05	< 0.001	< 0.1	0.002	1	< 1	1	< 0.2	< 1	1.2
EPA 02	N	1/10/1995	< 0.01	< 0.01	< 0.05	1.82	< 0.1	< 0.05	< 0.001	< 0.1	0.002	1.1	< 1	1.1	< 0.2	< 1	2.8
EPA 02	N	4/6/1995	< 0.01	< 0.01	< 0.05	1.59	< 0.1	< 0.05	< 0.001	< 0.1	0.002	0.6	2.4	3	< 0.2	< 1	3.8
EPA 02	N	7/11/1995	< 0.01	< 0.01	< 0.05	1.47	< 0.1	< 0.05	< 0.001	< 0.1	0.0012	1	< 1	1	< 0.2	< 1	3.4
EPA 02	N	10/10/1995	< 0.01	< 0.01	< 0.05	1.48	< 0.1	< 0.05	< 0.001	< 0.1	0.0011	1.2	< 1	1.2	< 0.2	< 1	1.1

TABLE C.1
Zone 1 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	As	Be
			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	mg/l
NRC Standard			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA	0.05	0.05
EPA Standard			NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
EPA 02	N	1/9/1996	6,848.50	6.80	7.73	2801	382	155	213	6.7	334	1791	24.7	0.46	< 0.1	< 1	< 0.1	0.003	< 0.01
EPA 02	N	4/10/1996	6,842.70	6.90	7.70	3018	408	168	191	6	321	1831	22.7	0.52	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	7/17/1996	6,848.50	6.70	6.88	3042	390	164	208	16	312	1746	29	0.45	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	10/8/1996	6,848.70	6.70	7.17	3150	453	198	211	6.7	315	1866	24.5	0.56	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	1/28/1997	6,848.70	6.90	7.75	3000	400	185	190	6.23	318	1883	29.9	0.48	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	4/15/1997	6,848.70	6.70	7.77	2970	410	184	202	6.6	325	1775	26.4	0.46	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	7/15/1997	6,848.50	6.50	7.46	3090	411	186	192	6.6	321	1780	27.7	0.51	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	10/15/1997	6,848.50	6.60	7.64	2920	400	185	195	6.1	322	1740	31.6	0.5	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	1/20/1998	6,849.20	6.50	7.76	3060	407	182	208	6.9	318	2000	26.8	0.73	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	4/14/1998	6,848.90	6.40	7.47	3130	438	199	194	6.3	316	1830	26.2	0.54	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	7/14/1998	6,848.70	7.00	7.66	3120	385	190	207	6.9	313	1700	22.3	0.49	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	10/6/1998	6,849.50	6.60	7.82	3390	454	227	221	7.9	292	2150	28.6	0.75	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	1/12/1999	6,849.30	6.80	7.65	3060	364	180	181	6.7	311	1740	27.8	0.55	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	4/13/1999	6,849.50	6.70	7.69	3110	420	182	198	6.8	304	1800	31.3	0.64	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	7/20/1999	6,849.19	6.70	7.67	3080	385	186	187	8.8	307	1650	29	0.59	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	10/12/1999	6,849.30	6.64	7.65	3640	478	244	186	7.6	268	1970	45.7	0.7	< 1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	1/11/2000	6,849.50	6.70	7.63	3090	384	187	179	7.4	310	1700	28.9	0.57	< 0.1	< 1	0.12	< 0.001	< 0.01
EPA 02	N	5/2/2000	6,850.10	6.60	7.72	2800	349	162	183	5.9	296	1490	20.2	0.48	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	7/10/2000	6,849.90	6.67	7.42	2740	369	166	192	5.89	334	1540	20.4	0.47	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	10/2/2000	6,849.95	6.70	7.49	2670	359	172	195	7.8	330	1740	21.2	0.42	< 0.1	< 1	< 0.1	0.004	< 0.01
EPA 02	Dup	10/9/2000	no data	6.69	7.62	2700	327	153	187	6.54	331	1380	18.1	0.43	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	1/15/2001	6,850.00	6.80	7.34	2680	360	157	185	6.5	350	1690	25.8	0.5	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	Dup	1/15/2001	no data	6.90	7.47	2560	358	156	185	6.5	330	1680	26.3	0.5	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	4/2/2001	6,850.10	6.87	7.39	2730	408	182	173	6	425	1600	23.7	0.53	< 0.1	< 1	< 0.1	0.001	< 0.01
EPA 02	Dup	4/2/2001	no data	6.88	7.26	2780	407	181	170	5.9	333	1610	24	0.46	< 0.1	< 1	< 0.1	0.001	< 0.01
EPA 02	N	7/16/2001	6,849.60	7.03	7.57	2770	341	159	182	6.9	430	1630	28.3	0.53	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	Dup	7/16/2001	no data	7.08	7.49	2720	343	159	185	6.8	331	1610	28.2	0.53	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	10/9/2001	6,849.75	6.67	7.70	2760	330	150	182	6.2	371	1420	25.1	0.36	< 0.1	< 1	< 0.1	0.002	< 0.01
EPA 02	Dup	10/9/2001	no data	6.72	7.10	2730	330	150	177	6.2	338	1440	27.1	0.45	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	1/14/2002	6,849.80	6.96	7.20	2730	406	177	168	8	355	1550	24.8	0.43	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	Dup	1/14/2002	no data	6.85	7.10	2770	409	179	174	8.13	334	1600	24.7	0.47	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	4/9/2002	6,849.36	6.83	7.29	2760	356	159	186	6.2	379	1570	25.4	0.45	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	Dup	4/9/2002	no data	6.72	7.21	2780	351	158	184	6.3	336	1570	24.8	0.5	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	7/16/2002	6,849.45	6.14	7.54	2760	352	161	188	6	448	1510	24.6	0.6	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	Dup	7/16/2002	no data	6.56	7.37	2770	352	160	190	7.6	332	1540	25.9	1.3	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	10/15/2002	6,849.16	6.14	7.72	2630	398	178	189	5.9	432	1700	21	0.5	< 0.1	< 1	< 0.1	0.002	< 0.01
EPA 02	Dup	10/15/2002	no data	6.43	7.48	2650	400	180	187	6.1	337	1750	15.2	0.62	< 0.1	< 1	< 0.1	0.001	< 0.01
EPA 02	N	1/14/2003	6,849.13	6.65	7.62	2700	345	154	172	6.4	409	1410	19.6	0.59	< 0.1	< 1	< 0.1	0.002	< 0.01

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

Location ID	Desc	Sample Date	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	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
NRC Standard			0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	9.4	5	1	15
EPA Standard			0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 02	N	1/9/1996	< 0.01	< 0.01	< 0.05	1.48	< 0.1	< 0.05	< 0.001	< 0.1	0.0026	1	< 1	1	< 0.2	< 1	< 1
EPA 02	N	4/10/1996	< 0.01	< 0.01	< 0.05	1.52	< 0.1	< 0.05	< 0.001	< 0.1	0.0008	0.7	< 1	0.7	0.7	< 1	< 1
EPA 02	N	7/17/1996	< 0.01	< 0.01	< 0.05	1.58	< 0.1	< 0.05	< 0.001	< 0.1	0.0011	0.9	< 1	0.9	0.9	< 1	< 1
EPA 02	N	10/8/1996	< 0.01	< 0.01	< 0.05	1.53	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	0.8	< 1	0.8	< 0.2	< 1	1.7
EPA 02	N	1/28/1997	< 0.01	< 0.01	< 0.05	1.46	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.8	< 1	1.8	< 0.2	< 1	< 1
EPA 02	N	4/15/1997	< 0.01	< 0.01	< 0.05	1.49	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	< 0.2	< 1	0	< 0.2	< 1	< 1
EPA 02	N	7/15/1997	< 0.01	< 0.01	< 0.05	1.42	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	0.9	2.5	3.4	< 0.2	< 1	< 1
EPA 02	N	10/15/1997	< 0.01	< 0.01	< 0.05	1.49	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	0.5	< 1	0.5	< 0.2	< 1	< 1
EPA 02	N	1/20/1998	< 0.005	< 0.01	< 0.05	1.75	< 0.1	< 0.05	< 0.001	< 0.1	0.0009	1	< 1	1	< 0.2	< 1	< 1
EPA 02	N	4/14/1998	< 0.005	< 0.01	< 0.05	1.6	< 0.1	< 0.05	< 0.001	< 0.1	0.0008	1.1	< 1	1.1	< 0.2	< 1	< 1
EPA 02	N	7/14/1998	< 0.005	< 0.01	< 0.05	1.5	< 0.1	< 0.05	< 0.001	< 0.1	0.0009	0.9	< 1	0.9	< 0.2	7.5	< 1
EPA 02	N	10/6/1998	< 0.005	< 0.01	< 0.05	1.94	< 0.1	< 0.05	< 0.001	< 0.1	0.0007	1	2.5	3.5	< 0.2	< 1	< 1
EPA 02	N	1/12/1999	< 0.005	< 0.01	< 0.05	1.44	< 0.1	< 0.05	< 0.001	< 0.1	0.0028	0.9	2.5	3.4	< 0.2	< 1	< 1
EPA 02	N	4/13/1999	< 0.005	< 0.01	< 0.05	1.64	< 0.1	< 0.05	< 0.001	< 0.1	0.0009	1.1	< 1	1.1	< 0.2	1.8	1.8
EPA 02	N	7/20/1999	< 0.005	< 0.01	< 0.05	1.35	< 0.1	< 0.05	< 0.001	< 0.1	0.0012	1.2	2.1	3.3	< 0.2	2.1	2.1
EPA 02	N	10/12/1999	< 0.005	< 0.01	< 0.05	2.21	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	0.6	2.2	2.8	< 0.2	< 1	1.8
EPA 02	N	1/11/2000	< 0.005	< 0.01	< 0.05	1.58	< 0.1	< 0.05	0.001	< 0.1	0.0015	0.8	< 1	0.8	< 0.2	< 1	< 1
EPA 02	N	5/2/2000	< 0.005	< 0.01	< 0.05	1.29	< 0.1	< 0.05	< 0.001	< 0.1	0.0016	1.7	< 1	1.7	< 0.2	< 1	2.2
EPA 02	N	7/10/2000	< 0.005	< 0.01	< 0.05	1.27	< 0.1	< 0.05	< 0.001	< 0.1	0.0011	1.5	3.9	5.4	< 0.2	< 1	1.4
EPA 02	N	10/2/2000	< 0.005	< 0.01	< 0.05	1.07	< 0.1	< 0.05	< 0.001	< 0.1	0.0011	1.8	< 1	1.8	< 0.2	< 1	2.6
EPA 02	Dup	10/9/2000	< 0.005	< 0.01	< 0.05	1.07	< 0.1	< 0.05	< 0.001	< 0.1	0.012	1.4	3.3	4.7	< 0.2	< 1	1.5
EPA 02	N	1/15/2001	< 0.005	< 0.01	< 0.05	1.21	< 0.1	< 0.05	< 0.001	< 0.1	0.0015	1.2	2.8	4	< 0.2	< 1	1.2
EPA 02	Dup	1/15/2001	< 0.005	< 0.01	< 0.05	1.15	< 0.1	< 0.05	< 0.001	< 0.1	0.0013	1.4	4.6	6	< 0.2	< 1	1.1
EPA 02	N	4/2/2001	< 0.005	< 0.01	< 0.05	1.14	< 0.1	< 0.05	< 0.001	< 0.1	0.0005	1.4	< 1	1.4	< 0.2	< 1	2.1
EPA 02	Dup	4/2/2001	< 0.005	< 0.01	< 0.05	1.24	< 0.1	< 0.05	< 0.001	< 0.1	0.0006	1.4	< 1	1.4	< 0.2	< 1	1.4
EPA 02	N	7/16/2001	< 0.005	< 0.01	< 0.05	1.2	< 0.1	< 0.05	< 0.001	< 0.1	0.0004	1.4	4.3	5.7	< 0.2	< 1	1.6
EPA 02	Dup	7/16/2001	< 0.005	< 0.01	< 0.05	1.18	< 0.1	< 0.05	< 0.001	< 0.1	0.0006	0.8	6.4	7.2	< 0.2	< 1	< 1
EPA 02	N	10/9/2001	< 0.005	< 0.01	< 0.05	1.08	< 0.1	< 0.05	< 0.001	< 0.1	0.0005	1.3	2.6	3.9	< 0.2	< 1	< 1
EPA 02	Dup	10/9/2001	< 0.005	< 0.01	< 0.05	1.08	< 0.1	< 0.05	< 0.001	< 0.1	0.0004	1.2	< 1	1.2	< 0.2	< 1	< 1
EPA 02	N	1/14/2002	< 0.005	< 0.01	< 0.05	1.34	< 0.1	< 0.05	< 0.001	< 0.1	0.001	1.3	3.3	4.6	< 0.2	< 1	1.3
EPA 02	Dup	1/14/2002	< 0.005	< 0.01	< 0.05	1.35	< 0.1	< 0.05	< 0.001	< 0.1	0.0008	1.8	12	13.8	< 0.2	< 1	1.9
EPA 02	N	4/9/2002	< 0.005	< 0.01	< 0.05	1.28	< 0.1	< 0.05	< 0.001	< 0.1	0.0008	1.1	1.7	2.8	< 0.2	< 1	1.8
EPA 02	Dup	4/9/2002	< 0.005	< 0.01	< 0.05	1.28	< 0.1	< 0.05	< 0.001	< 0.1	0.001	1.5	< 1	1.5	< 0.2	< 1	1.4
EPA 02	N	7/16/2002	< 0.005	< 0.01	< 0.05	1.28	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.7	< 1	1.7	< 0.2	< 1	1.7
EPA 02	Dup	7/16/2002	< 0.005	< 0.01	< 0.05	1.26	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	0.9	< 1	0.9	< 0.2	< 1	1.8
EPA 02	N	10/15/2002	< 0.005	< 0.01	< 0.05	1.12	< 0.1	< 0.05	< 0.001	< 0.1	0.0009	1.7	3	4.7	< 0.2	< 1	< 1
EPA 02	Dup	10/15/2002	< 0.005	< 0.01	< 0.05	1.29	< 0.1	< 0.05	< 0.001	< 0.1	0.0009	1.5	< 1	1.5	< 0.2	< 1	< 1
EPA 02	N	1/14/2003	< 0.005	< 0.01	< 0.05	1.23	< 0.1	< 0.05	< 0.001	< 0.1	0.0014	3	< 1	3	< 0.2	< 1	2.2

TABLE C.1
Zone 1 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	As	Be
			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	mg/l	mg/l
NRC Standard			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA	0.05	0.05
EPA Standard			NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
EPA 02	Dup	1/14/2003	no data	no data	7.38	2710	380	175	162	6.6	341	1590	23.5	0.69	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	4/15/2003	6,849.54	6.76	7.51	2740	328	141	194	9	448	1550	23.7	0.6	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	Dup	4/15/2003	no data	no data	7.37	2730	346	163	192	8.8	333	1520	23.3	0.6	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	7/14/2003	6,849.09	6.50	7.62	2750	352	156	183	7.1	436	1460	25.2	0.5	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	Dup	7/14/2003	no data	no data	7.48	2790	365	164	185	7.3	338	1550	19.2	0.57	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	10/14/2003	6,848.80	6.67	7.44	2710	390	172	194	6	438	1620	19.4	0.48	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	Dup	10/14/2003	no data	no data	7.52	2700	394	174	194	6.1	329	1600	21.7	0.55	< 0.1	< 1	0.2	< 0.001	< 0.01
EPA 02	N	1/13/2004	6,848.87	6.69	7.74	2700	380	176	196	7.1	323	1640	20.9	0.48	< 0.10	< 1.0	< 0.1	< 0.001	< 0.01
EPA 02	Dup	1/13/2004	no data	no data	7.63	2710	391	180	196	7.6	336	1680	20.5	0.58	< 0.10	< 1.0	< 0.1	< 0.001	< 0.01
EPA 02	N	4/13/2004	6,848.76	6.55	6.97	2680	353	164	182	6.9	405	1580	23.1	0.92	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	Dup	4/13/2004	no data	no data	6.82	2710	356	166	191	7.1	342	1620	24.8	0.78	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	N	7/20/2004	6,848.67	6.80	6.89	2740	374 D	164 D	202	5.9	358	1530 D	22	0.49	< 0.10	< 1.0	< 0.1	< 0.001	< 0.01
EPA 02	Dup	7/20/2004	no data	no data	6.62	2700	373 D	164 D	201	5.8	331	1550 D	21	0.55	< 0.10	< 1.0	< 0.1	< 0.001	< 0.01
EPA 02	N	10/13/2004	6,848.79	6.93	7.10	2810	367 D	176 D	180	6.5	378	1600 D	23	0.55	< 0.10	< 1.0	< 0.1	< 0.001	< 0.01
EPA 02	Dup	10/13/2004	no data	no data	7.07	2870	386 D	187 D	196	6.6	328	1700 D	24	0.58	< 0.10	< 1.0	< 0.1	< 0.001	< 0.01
EPA 02	N	1/11/2005	6,848.91	7.42	7.11	2850	390 D	180 D	201 D	6.6	356	1630	23	0.51	< 0.1	< 1.0	< 0.1	< 0.001	< 0.01
EPA 02	Dup	1/11/2005	no data	no data	7.05	2910	397 D	187 D	202	6.8	325	1670	23	0.57	< 0.1	< 1.0	< 0.1	< 0.001	< 0.01
EPA 02	N	4/12/2005	6,848.66	6.78	7.08	2750	403	185	206	6.8	348	1740	22	0.49	< 0.1	< 1.0	< 0.1	< 0.001	< 0.01
EPA 02	Dup	4/12/2005	no data	no data	7.11	2750	406	185	203	6.9	322	1760	23	0.5	< 0.1	< 1.0	< 0.1	< 0.001	< 0.01
EPA 02	N	7/19/2005	6,847.89	6.49	7.28	2590	350 D	160 D	195	5.9	389	1420	20	0.4	< 0.1	< 1.0	< 0.1	< 0.001	< 0.01
EPA 02	Dup	7/19/2005	no data	no data	7.15	2630	346 D	159 D	196	5.8	335	1450 D	17	0.46	< 0.1	< 1.0	< 0.1	< 0.001	< 0.01
EPA 02	N	10/11/2005	6,848.28	6.79	7.26	2640	352 D	163 D	199	6.4	284	1560 D	23	0.47	< 0.1	< 1.0	< 0.1	< 0.001	< 0.01
EPA 02	Dup	10/11/2005	no data	no data	7.19	2690	351 D	163 D	197	6.5	357	1570 D	24	0.52	< 0.1	< 1.0	< 0.1	< 0.001	< 0.01
EPA 02	N	1/17/2006	6,848.01	6.93	7.56	2540	345 D	161 D	185	6.2	336	1480 D	21	0.49	< 0.1	< 1.0	< 0.1	< 0.001	< 0.01
EPA 02	Dup	1/17/2006	no data	no data	7.72	2560	339 D	158 D	182	6.2	531	1390	20	0.61	< 0.1	< 1.0	< 0.1	< 0.001	< 0.01
EPA 02	N	4/11/2006	6,848.22	6.86	7.32	2560	364 D	168 D	191	5.9	383	1470	21	0.47	< 0.1	< 1.0	< 0.1	< 0.001	< 0.01
EPA 02	Dup	4/11/2006	no data	no data	7.44	2600	369 D	172 D	193	6	354	1520	21	0.61	< 0.1	< 1.0	< 0.1	< 0.001	< 0.01
EPA 02	N	7/25/2006	6,848.04	6.70	7.24	2540	346 D	154 D	204	6.2	321	1550	21	0.68	< 0.1	< 1.0	< 0.1	< 0.001	< 0.01
EPA 02	Dup	7/25/2006	no data	no data	7.08	2480	356 D	159 D	206	6.5	319	1580	21	0.51	< 0.1	< 1.0	< 0.1	< 0.001	< 0.01
EPA 02	N	10/10/2006	6,847.90	6.69	7.26	2490	352 D	158 D	195	6.3	335	1490	20	0.49	< 0.1	< 0.5	< 0.1	< 0.001	< 0.01
EPA 02	Dup	10/10/2006	no data	no data	7.03	2440	355 D	160 D	195	6.2	337	1500	20	0.54	< 0.1	< 0.5	< 0.1	< 0.001	< 0.01
EPA 02	N	1/16/2007	6,847.64	6.74	7.32	2580	352 D	161 D	186	6.5	310	1520	22	0.29	< 0.1	< 0.5	< 0.1	< 0.001	< 0.01
EPA 02	Dup	1/16/2007	6,847.17	6.74	7.24	2570	359 D	164 D	184	6.3	307	1480	21	0.39	< 0.1	< 0.5	< 0.1	< 0.001	< 0.01
EPA 02	N	4/16/2007	6,847.81	6.96	7.25	2590	343 D	157 D	182	6.4	342	1420	22	0.41	< 0.1	< 0.5	< 0.1	0.002	< 0.01
EPA 02	Dup	4/16/2007	6,847.13	6.82	7.04	2600	349 D	160 D	177	6.2	351	1380	22	0.45	< 0.1	< 0.5	< 0.1	< 0.001	< 0.01
EPA 02	N	7/16/2007	6,847.44	6.61	7.10	2540	352	159	186	5.9	340	1440	20	0.35	< 0.1	< 0.5	< 0.1	0.001	< 0.01
EPA 02	Dup	7/16/2007	6,847.04	6.67	6.83	2510	355 D	164 D	192	6	334	1510	20	0.42	< 0.1	< 0.5	< 0.1	0.002	< 0.01
EPA 02	N	10/8/2007	6,847.26	6.85	7.39	2600	344 D	159 D	185	6.1	287	1490 D	20	0.33	< 0.1	0.91	< 0.1	< 0.001	< 0.01

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

Location ID	Desc	Sample Date	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	pci/l	pci/l	pci/l	pci/l	pci/l
NRC Standard			0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	9.4	5	1	15
EPA Standard			0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 02	Dup	1/14/2003	< 0.005	< 0.01	< 0.05	1.23	< 0.1	< 0.05	< 0.001	< 0.1	0.0013	1.9	< 1	1.9	< 0.2	< 1	3
EPA 02	N	4/15/2003	< 0.005	< 0.01	< 0.05	1.28	< 0.1	< 0.05	< 0.001	< 0.1	0.001	1.8	10.1	11.9	< 0.2	< 1	2.1
EPA 02	Dup	4/15/2003	< 0.005	< 0.01	< 0.05	1.25	< 0.1	< 0.05	< 0.001	< 0.1	0.001	1.3	10.4	11.7	< 0.2	< 1	2.3
EPA 02	N	7/14/2003	< 0.005	< 0.01	< 0.05	1.26	< 0.1	< 0.05	< 0.001	< 0.1	0.0004	1.6	8.7	10.3	< 0.2	< 1	< 1.0
EPA 02	Dup	7/14/2003	< 0.005	< 0.01	< 0.05	1.32	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.3	9.9	11.2	< 0.2	< 1	< 1.0
EPA 02	N	10/14/2003	< 0.005	< 0.01	< 0.05	1.3	< 0.1	< 0.05	< 0.001	< 0.1	0.0013	0.8	8.7	9.5	< 0.2	< 1	1.4
EPA 02	Dup	10/14/2003	< 0.005	< 0.01	< 0.05	1.32	< 0.1	< 0.05	< 0.001	< 0.1	0.0015	1	9.7	10.7	< 0.2	< 1	1.5
EPA 02	N	1/13/2004	< 0.005	< 0.01	< 0.05	1.32	< 0.1	< 0.05	< 0.001	< 0.1	0.0012 D	1.5	< 1.0	1.5	< 0.2	< 1.0	1.4
EPA 02	Dup	1/13/2004	< 0.005	< 0.01	< 0.05	1.3	< 0.1	< 0.05	< 0.001	< 0.1	0.0015 D	1.2	2.1	3.3	< 0.2	< 1.0	1.4
EPA 02	N	4/13/2004	< 0.005	< 0.01	< 0.05	1.29	< 0.1	< 0.05	< 0.001	< 0.1	0.0014	1.1	< 1	1.1	< 0.2	< 1	2
EPA 02	Dup	4/13/2004	< 0.005	< 0.01	< 0.05	1.31	< 0.1	< 0.05	< 0.001	< 0.1	0.0013	1.3	3.7	5	< 0.2	< 1	2.4
EPA 02	N	7/20/2004	< 0.005	< 0.01	< 0.05	1.28	< 0.1	< 0.05	< 0.001	< 0.1	0.001	1.5	3.1	4.6	< 0.2	< 1.0	2.3
EPA 02	Dup	7/20/2004	< 0.005	< 0.01	< 0.05	1.27	< 0.1	< 0.05	< 0.001	< 0.1	0.0009	1.3	5.1	6.4	< 0.2	< 1.0	2.2
EPA 02	N	10/13/2004	< 0.005	< 0.01	< 0.05	1.25	< 0.1	< 0.05	< 0.001	< 0.1	0.001	1	2.3	3.3	< 0.2	< 1.0	2.6
EPA 02	Dup	10/13/2004	< 0.005	< 0.01	< 0.05	1.36	< 0.1	< 0.5 D	< 0.001	< 0.1	0.001	1.5	1.1	2.6	< 0.2	< 1.0	2.6
EPA 02	N	1/11/2005	< 0.005	< 0.01	< 0.05	1.45	< 0.1	< 0.05	< 0.001	< 0.1	0.0018	0.8	2.2	3	< 0.2	< 1.0	2.7
EPA 02	Dup	1/11/2005	< 0.005	< 0.01	< 0.05	1.53	< 0.1	< 0.05	< 0.001	< 0.1	0.0019	0.5	4.1	4.6	< 0.2	< 1.0	3.4
EPA 02	N	4/12/2005	< 0.005	< 0.01	< 0.05	1.52	< 0.1	< 0.05	< 0.001	< 0.1	0.0012	0.7	1.4	2.1	< 0.2	< 1.0	1.5
EPA 02	Dup	4/12/2005	< 0.005	< 0.01	< 0.05	1.53	< 0.1	< 0.05	< 0.001	< 0.1	0.0012	0.7	3.2	3.9	< 0.2	< 1.0	2.5
EPA 02	N	7/19/2005	< 0.005	< 0.01	< 0.05	1.25	< 0.1	< 0.05	< 0.001	< 0.1	0.0011	1.1	1.8	2.9	< 0.2	< 1.0	< 1.0
EPA 02	Dup	7/19/2005	< 0.005	< 0.01	< 0.05	1.24	< 0.1	< 0.05	< 0.001	< 0.1	0.001	0.9	2	2.9	< 0.2	< 1.0	1.2
EPA 02	N	10/11/2005	< 0.005	< 0.01	< 0.05	1.28	< 0.1	< 0.05	< 0.001	< 0.1	0.0011	1.6	3.7	5.3	< 0.2	< 1.0	1.1
EPA 02	Dup	10/11/2005	< 0.005	< 0.01	< 0.05	1.31	< 0.1	< 0.05	< 0.001	< 0.1	0.001	1.6	2.9	4.5	< 0.2	< 1.0	2.2
EPA 02	N	1/17/2006	< 0.005	< 0.01	< 0.05	1.29	< 0.1	< 0.05	< 0.001	< 0.1	0.0013	1.4	2	3.4	< 0.2	< 1.0	1.9
EPA 02	Dup	1/17/2006	< 0.005	< 0.01	< 0.05	1.3	< 0.1	< 0.05	< 0.001	< 0.1	0.0014	1.2	1.8	3	< 0.2	< 1.0	3.1
EPA 02	N	4/11/2006	< 0.005	< 0.01	< 0.05	1.1	< 0.1	< 0.05	< 0.001	< 0.1	0.0017	1	4.3	5.3	< 0.2	< 1.0	1.4
EPA 02	Dup	4/11/2006	< 0.005	< 0.01	< 0.05	1.19	< 0.1	< 0.05	< 0.001	< 0.1	0.0013	1.1	6.2	7.3	< 0.2	< 1.0	< 1.0
EPA 02	N	7/25/2006	< 0.005	< 0.01	< 0.05	1.24	< 0.1	< 0.05	< 0.001	< 0.1	0.0011	1.3	6.6	7.9	< 0.2	< 1.0	1.2
EPA 02	Dup	7/25/2006	< 0.005	< 0.01	< 0.05	1.46	< 0.1	< 0.05	< 0.001	< 0.1	0.001	0.8	4.8	5.6	< 0.2	< 1.0	1.2
EPA 02	N	10/10/2006	< 0.005	< 0.01	< 0.05	1.23	< 0.1	< 0.05	< 0.001	< 0.1	0.0011	1.4	1.2	2.6	< 0.2	< 1	1.7
EPA 02	Dup	10/10/2006	< 0.005	< 0.01	< 0.05	1.24	< 0.1	< 0.05	< 0.001	< 0.1	0.0011	1.7	1.5	3.2	< 0.2	< 1	2.5
EPA 02	N	1/16/2007	< 0.005	< 0.01	< 0.05	1.18	< 0.1	< 0.05	< 0.001	< 0.1	0.0012	1.4	2.9	4.3	< 0.2	< 1	1.8
EPA 02	Dup	1/16/2007	< 0.005	< 0.01	< 0.05	1.14	< 0.1	< 0.05	< 0.001	< 0.1	0.0012	1.9	< 1	1.9	< 0.2	< 1	2
EPA 02	N	4/16/2007	< 0.005	< 0.01	< 0.05	1.28	< 0.1	< 0.05	< 0.001	< 0.1	0.0013 D	1.2	2.2	3.4	< 0.2	< 1	1.8
EPA 02	Dup	4/16/2007	< 0.005	< 0.01	< 0.05	1.29	< 0.1	< 0.05	< 0.001	< 0.1	0.0013 D	1.1	2.4	3.5	< 0.2	< 1	1.1
EPA 02	N	7/16/2007	< 0.005	< 0.01	< 0.05	1.14	< 0.1	< 0.05	< 0.001	< 0.1	0.0016	< 0.2	1.4	1.4	< 0.2	< 1	< 1
EPA 02	Dup	7/16/2007	< 0.005	< 0.01	< 0.05	1.28	< 0.1	< 0.05	< 0.001	< 0.1	0.0015	0.7	< 1	0.7	< 0.2	< 1	1.6
EPA 02	N	10/8/2007	< 0.005	< 0.01	< 0.05	1.42	< 0.1	< 0.05	< 0.001	< 0.1	0.0012	1.1	< 1	1.1	< 0.2	< 1	1.7

TABLE C.1
Zone 1 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	As mg/l	Be mg/l
NRC Standard			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA	0.05	0.05
EPA Standard			NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
EPA 02	Dup	10/8/2007	6,846.84	6.78	7.15	2670	350 D	162 D	188	6.2	348	1470	20	0.32	<0.1	<0.5	<0.1	<0.001	<0.01
EPA 02	N	1/21/2008	6,847.49	6.78	6.99	2580	333 D	145	192	6.9	291	1480 D	31 D	0.37	< 0.1	< 0.5	< 0.1	< 0.001	< 0.01
EPA 02	Dup	1/21/2008	6,846.94	6.76	6.88	2520	327 D	146	187	6.9	346	1490 D	26 D	0.35	< 0.1	< 0.5	< 0.1	< 0.001	< 0.01
EPA 02	N	4/14/2008	6,847.09	6.53	7.16	2520	369	153	198 D	6.1	335	1550 D	18	0.36	< 0.1	< 0.5	< 0.1	0.002	< 0.01
EPA 02	Dup	4/14/2008	6,846.34	6.48	6.94	2550	358	157	199 D	6.1	329	1590 D	18	0.34	< 0.1	< 0.5	< 0.1	0.001	< 0.01
EPA 02	N	7/14/2008	6,846.99	6.89	6.92	2550	352	157	192 D	6	305	1750 D	18	0.29	< 0.1	< 0.5	< 0.1	< 0.003	< 0.01
EPA 02	Dup	7/14/2008	6,846.39	6.84	6.89	2610	356	160	196 D	6	333	1730 D	19	0.33	< 0.1	< 0.5	< 0.1	< 0.003	< 0.01
EPA 02	N	10/13/2008	6,846.89	6.83	6.84	2780 H	364	165	195 D	6	279	1790 D	18	0.3	< 0.1	< 0.5	< 0.1	0.001	< 0.01
EPA 02	Dup	10/13/2008	6,846.19	6.69	6.87	2710 H	354	161	194 D	6	320	1720 D	18	0.3	< 0.1	< 0.5	< 0.1	< 0.001	< 0.01
EPA 02	N	1/13/2009	6,846.79	6.75	6.98	2750	378	173	212	6	286	1750 D	17	0.28	<0.1	<0.5	<0.1	<0.001	<0.01
EPA 02	Dup	1/13/2009	no data	no data	6.96	2800	377	174	211	6	337	1560 D	14	0.28	<0.1	<0.5	<0.1	<0.001	<0.01
EPA 02	N	4/13/2009	6,846.84	6.65	6.91	2610	336	153	198	6	309	1700 D	17	0.29	<0.1	<0.50	<0.1	<0.001	<0.01
EPA 02	Dup	4/13/2009	no data	no data	6.84	2640	321	146	190	6	347	1610 D	16	0.31	<0.1	<0.50	<0.1	<0.001	<0.04
EPA 02	N	7/13/2009	6,846.64	6.6	7.22 H	2690 H	343	149	197	6	326	1720 D	22	0.39	<0.1	<0.50	<0.1	<0.001	<0.01
EPA 02	Dup	7/13/2009	no data	no data	7.09 H	2770 H	353	156	199	6	332	1720 D	17	0.46	<0.1	<0.50	<0.1	<0.001	<0.01
EPA 02	N	10/12/2009	6,846.74	6.77	7.31	2830 H	360	158	192	6	318	1670 D	21	0.42	<0.1	<0.50	<0.1	<0.001	<0.01
EPA 02	Dup	10/12/2009	no data	no data	7.2	2790	351	164	198	6	331	1620 D	24	0.45	<0.1	<0.50	<0.1	<0.001	<0.01
EPA 02	N	1/11/2010	6,846.34	6.86	6.96	2600	346	154	204	7	346	1670 D	18	0.42	0.12	<0.50	<0.1	<0.001	<0.01
EPA 02	Dup	1/11/2010	6,845.64	6.84	6.99	2780	384	173	204	7	345	1860 D	18	0.47	<0.10	<0.50	<0.1	<0.001	<0.01
EPA 02	N	4/12/2010	6,846.59	6.76	6.95	2870	369	167	205	7	350	1840 D	29	0.42	<0.1	<0.50	<0.1	<0.001	<0.01
EPA 02	Dup	4/12/2010	6,845.74	6.75	7.1	2850	368	167	209	7	350	1850 D	16	0.5	<0.1	<0.50	<0.1	0.002	<0.01
EPA 02	N	7/19/2010	6,846.29	6.61	6.91	2830	353	162	204	6	332	1820 D	21 D	0.5	<0.1	<0.50	<0.1	<0.001	<0.01
EPA 02	Dup	7/19/2010	6,845.39	6.6	7.26	3000	380	181	201	6	332	1880 D	22 D	0.57	<0.1	<0.50	<0.1	<0.001	<0.01
EPA 02	N	10/11/2010	6,846.49	6.75	7.81	2800	358	155	203	6	320	1790 DH	18 D	0.46	<0.1	<0.50	<0.1	<0.001	<0.01
EPA 02	Dup	10/11/2010	6,844.54	6.74	7.69	2750	364	162	215	7	348	1780 D	16 D	0.47	<0.1	<0.50	<0.1	<0.001	<0.01
EPA 02	N	1/10/2011	6,846.14	6.86	7.71	2740	351	156	199	7	326	1740 D	21 D	0.44	<0.1	<0.50	<0.1	<0.001	<0.01
EPA 02	N	4/11/2011	6,846.17	6.87	7.21	2830	376	166	214	7	322	1770 D	21 D	0.47	<0.1	<0.50	<0.1	0.002	<0.01
EPA 02	N	7/18/2011	6,845.99	6.88	7.74	2830	370	162	212	7	312	1650 D	20 D	0.5 D	<0.1	<0.50	0.2	<0.001	<0.01
EPA 02	Dup	7/18/2011	6,845.19	6.79	7.78	2800	366	163	211	6	321	1680 D	20 D	0.5 D	<0.1	<0.50	0.1	<0.001	<0.01
EPA 02	Dup	10/10/2011	6,846.11	6.8	7.51	2840	384	169	206	7	285	1790 D	21 D	0.4 D	<0.1	<0.50	<0.1	<0.001	<0.01
EPA 02	N	10/10/2011	6,845.29	6.77	7.75	2820	386	171	210	7	295	1780 D	21 D	0.4 D	<0.1	<0.50	<0.1	<0.001	<0.01
EPA 04	N	7/26/1989	6,868.80	6.90	5.97	4433	559	373	242	9.1	183	3039	37.1	0.91	0.03	< 1	< 0.1	< 0.001	< 0.05
EPA 04	N	10/5/1989	6,869.10	6.50	6.90	4760	560	371	244	12.3	182	3043	38.9	0.98	0.1	< 1	< 0.1	< 0.001	< 0.05
EPA 04	N	1/16/1990	6,869.40	6.50	6.76	4554	491	343	229	8.95	217	2919	37.5	0.99	0.1	< 1	< 0.1	< 0.001	< 0.05
EPA 04	N	4/17/1990	6,869.30	6.50	6.90	4604	500	347	223	7.7	194	2851	38.4	1.02	0.15	< 1	< 0.1	< 0.001	< 0.05
EPA 04	N	7/17/1990	6,869.10	6.40	6.70	4642	526	367	226	9.2	201	2855	36.4	0.7	0.06	< 1	< 0.1	< 0.001	< 0.05
EPA 04	N	10/16/1990	6,869.10	6.40	7.15	4645	515	368	232	9.2	193	2987	42.7	0.82	0.11	< 1	< 0.1	< 0.001	< 0.05
EPA 04	N	1/8/1991	6,869.00	6.50	6.65	4644	494	337	225	17	185	3039	40.1	0.99	0.04	< 1	< 0.1	< 0.001	< 0.01

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

Location ID	Desc	Sample Date	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	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
NRC Standard			0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	9.4	5	1	15
EPA Standard			0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 02	Dup	10/8/2007	<0.005	<0.01	<0.05	1.39	<0.1	<0.05	<0.001	<0.1	0.0012	1.4	<1	1.4	<0.2	<1	2.5
EPA 02	N	1/21/2008	<0.005	<0.01	<0.05	1.21	<0.1	<0.05	<0.001	<0.1	0.0017	1.6	<1	1.6	<0.2	<1	1.6
EPA 02	Dup	1/21/2008	<0.005	<0.01	<0.05	1.23	<0.1	<0.05	0.001	<0.1	0.0018	0.5	<1	0.5	<0.2	<1	2
EPA 02	N	4/14/2008	<0.005	<0.01	<0.05	1.28	<0.1	<0.05	<0.001	<0.1	0.0013	1.1	2.7	3.8	0.7	-3.1 U	2.4
EPA 02	Dup	4/14/2008	<0.005	<0.01	<0.05	1.26	<0.1	<0.05	<0.001	<0.1	0.0013	1.3	3	4.3	0.7	-0.1 U	2.6
EPA 02	N	7/14/2008	<0.005	<0.01	<0.05	1.37	<0.1	<0.05	<0.001	<0.1	0.0016 D	1.5	3.1	4.6	-0.1 U	1.9 U	1.2
EPA 02	Dup	7/14/2008	<0.005	<0.01	<0.05	1.49	<0.1	<0.05	<0.001	<0.1	0.0017 D	1.4	3.2	4.6	0 U	3.4 U	1.6
EPA 02	N	10/13/2008	<0.005	<0.01	<0.05	1.55	<0.1	<0.05	<0.001	<0.1	0.0023	0.86	1.7	2.56	0.2	-0.7 U	2.5
EPA 02	Dup	10/13/2008	<0.005	<0.01	<0.05	1.44	<0.1	<0.05	<0.001	<0.1	0.0019	0.96	2.2	3.16	0.5	0.5 U	2.7
EPA 02	N	1/13/2009	<0.005	<0.01	<0.05	1.4	<0.1	<0.05	0.002	<0.1	0.0017	1.1	2.3	3.4	0.3	-3 U	3.7
EPA 02	Dup	1/13/2009	<0.005	<0.01	<0.05	1.51	<0.1	<0.05	<0.001	<0.1	0.0015	1.2	3.3	4.5	-0.1 U	-2 U	3.4
EPA 02	N	4/13/2009	<0.005	<0.01	<0.05	1.21	<0.1	<0.05	<0.001	<0.1	0.0019	1.1	2.2	3.3	-0.1 U	0.2 U	1
EPA 02	Dup	4/13/2009	<0.005	<0.01	<0.05	1.26	<0.1	<0.05	<0.001	<0.1	0.0018	1.4	3	4.4	-0.03 U	1.2 U	1
EPA 02	N	7/13/2009	<0.005	<0.01	<0.05	1.34	<0.1	<0.05	<0.001	<0.1	0.0013	1.3	3	4.3	-0.01 U	1.1 U	2.8
EPA 02	Dup	7/13/2009	<0.005	<0.01	<0.05	1.34	<0.1	<0.05	<0.001	<0.1	0.0012	1.4	2.8	4.2	0.02 U	-0.4 U	3
EPA 02	N	10/12/2009	<0.005	<0.01	<0.05	1.44	<0.1	<0.05	<0.001	<0.1	0.0019	1.1	3.1	4.2	-0.02 U	1.1 U	2
EPA 02	Dup	10/12/2009	<0.005	<0.01	<0.05	1.49	<0.1	<0.05	<0.001	<0.1	0.0016	1.1	3	4.1	0.06 U	1.1 U	2
EPA 02	N	1/11/2010	<0.005	<0.01	<0.05	1.3	<0.1	<0.05	<0.001	<0.1	0.0012	0.87	3.1	3.97	0.02 U	1.9 U	1.7
EPA 02	Dup	1/11/2010	<0.005	<0.01	<0.05	1.47	<0.1	<0.05	<0.001	<0.1	0.0012	1.2	3.4	4.6	-0.01 U	0.8 U	1.6
EPA 02	N	4/12/2010	<0.005	<0.01	<0.05	1.89	<0.1	<0.05	<0.001	<0.1	0.0012	1.4	2.9	4.3	0.04 U	0.4 U	1.6
EPA 02	Dup	4/12/2010	<0.005	<0.01	<0.05	1.5	<0.1	<0.05	<0.001	<0.1	0.0014	1.3	4.7	6	0.03 U	-1 U	1.7
EPA 02	N	7/19/2010	<0.005	<0.01	<0.05	1.34	<0.1	<0.05	<0.001	<0.1	0.0011	1.5	2.3	3.8	0.07 U	-0.5 U	3.4
EPA 02	Dup	7/19/2010	<0.005	<0.01	<0.05	1.58	<0.1	<0.05	<0.001	<0.1	<0.0003	1.2	3	4.2	0.1 U	0.8 U	2.5
EPA 02	N	10/11/2010	<0.005	<0.01	<0.05	0.9	<0.1	<0.05	<0.001	<0.1	0.0013	1.4	2.3	3.7	-0.02 U	0.7 U	1.3
EPA 02	Dup	10/11/2010	<0.005	<0.01	<0.05	1.3	<0.1	<0.05	<0.001	<0.1	0.0015	1.6	3.2	4.8	0.03 U	-0.2 U	1.3
EPA 02	N	1/10/2011	<0.005	<0.01	<0.05	1.56	<0.1	<0.05	<0.001	<0.1	0.0017	1.2	2.8	4	0.004 U	1.0 U	3.7
EPA 02	N	4/11/2011	<0.005	<0.01	<0.05	1.67	<0.1	<0.05	0.002	<0.1	0.0016	1.2	2.3	3.5	0.02 U	0.7 U	1.3
EPA 02	N	7/18/2011	<0.005	<0.01	<0.05	1.4	<0.1	<0.05	<0.001	<0.1	0.0018	1.1	3	4.1	0.04 U	-0.5 U	1.5
EPA 02	Dup	7/18/2011	<0.005	<0.01	<0.05	1.54	<0.1	<0.05	<0.001	<0.1	0.0012	0.84	3.7	4.54	0.009 U	-0.4 U	1.7
EPA 02	Dup	10/10/2011	<0.005	<0.01	<0.05	0.9	<0.1	<0.05	<0.001	<0.1	0.0014	1.2	2.4	3.6	0.0007 U	0.9 U	2.4
EPA 02	N	10/10/2011	<0.005	<0.01	<0.05	1.53	<0.1	<0.05	<0.001	<0.1	0.0023	1.5	2.6	4.1	0.06 U	0.7 U	4.7
EPA 04	N	7/26/1989	<0.01	<0.01	<0.05	3.4	<0.1	<0.05	<0.001	<0.1	0.004	1.9	1.4	3.3	0.9	<1	3
EPA 04	N	10/5/1989	<0.01	<0.01	<0.05	3.1	<0.01	<0.05	<0.001	<0.1	0.003	2	1.9	3.9	0.3	2.2	3
EPA 04	N	1/16/1990	<0.01	<0.01	<0.05	3.4	<0.1	<0.05	<0.001	<0.1	0.0007	1.3	3.4	4.7	2.8	<1	3.5
EPA 04	N	4/17/1990	<0.01	<0.01	<0.05	2.5	<0.1	<0.05	<0.001	<0.1	0.002	0.8	1.6	2.4	<0.2	2.4	1.5
EPA 04	N	7/17/1990	<0.01	<0.01	<0.05	3.31	<0.1	<0.05	<0.001	<0.1	0.001	0.8	4.4	5.2	<0.2	1.5	<1
EPA 04	N	10/16/1990	<0.01	0.01	<0.05	3.31	<0.1	<0.05	<0.001	<0.1	<0.0003	1.5	<1	1.5	<0.2	1.1	2
EPA 04	N	1/8/1991	<0.01	0.01	<0.05	3.27	<0.1	<0.05	<0.001	<0.1	<0.0003	1.5	2.7	4.2	<0.2	<1	2

TABLE C.1
Zone 1 Data Summary, 1989-2011
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Location ID	Desc	Sample Date	Water	Field	Lab	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	TTHMs	Al	As	Be
			Elevation	pH	pH											(Chloroform)			
			ft amsl	SU	SU											ug/l			
NRC Standard			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA	0.05	0.05
EPA Standard			NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
EPA 04	N	4/17/1991	6,869.50	6.50	7.22	4759	525	392	238	8.9	161	3260	40.2	0.97	< 0.01	< 1	0.11	< 0.001	< 0.01
EPA 04	N	7/3/1991	6,869.60	6.60	6.80	4686	504	352	210	7.7	184	3345	37.8	1.04	0.05	< 1	0.3	< 0.001	< 0.01
EPA 04	N	10/22/1991	6,870.20	6.50	6.56	4651	502	350	221	8.2	188	2948	44.2	1.16	0.04	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	1/23/1992	6,870.50	6.40	6.52	4263	490	344	211	8	184	2997	42.4	1.14	< 0.01	< 1	0.14	< 0.001	< 0.01
EPA 04	N	4/2/1992	6,870.50	6.40	7.82	4554	495	348	258	9.3	210	2963	37.3	1.19	< 0.01	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	7/15/1992	6,869.70	6.60	7.55	4808	482	336	238	9	173	3072	41.2	0.73	0.2	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	10/14/1992	6,869.80	6.80	6.87	4904	526	357	230	8.6	174	3164	40.2	0.79	< 0.1	< 1	0.1	< 0.001	< 0.01
EPA 04	N	1/13/1993	6,870.00	6.60	6.98	4631	506	343	228	9.7	177	3107	38.8	0.21	< 0.1	< 1	0.1	< 0.001	< 0.01
EPA 04	N	4/15/1993	6,870.50	6.60	7.05	4684	452	337	242	7.4	175	3006	39.4	0.98	0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	7/20/1993	6,871.10	6.70	7.11	4351	519	369	211	7.8	203	3081	37.4	0.84	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	10/12/1993	6,868.80	7.10	6.47	4585	533	332	217	7.8	189	2962	34.3	0.79	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	1/11/1994	6,869.50	6.80	6.88	4530	543	336	219	7.2	178	3119	35.8	0.89	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	4/20/1994	6,870.50	6.70	6.44	4612	544	346	233	7.3	167	3065	37.9	1.42	< 0.1	< 1	0.15	0.002	< 0.01
EPA 04	N	7/26/1994	6,870.40	6.70	6.45	4420	578	359	225	8.2	172	2863	35.7	0.93	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	10/11/1994	6,870.30	6.60	7.42	4528	539	380	229	8.3	195	3133	37.9	1.11	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	1/10/1995	6,870.40	6.50	6.98	4598	640	286	210	9.5	190	3090	38.3	1.48	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	4/6/1995	6,870.60	6.60	6.99	4715	640	328	212	8.3	189	3268	39.3	1.7	< 0.1	< 1	< 0.1	0.001	< 0.01
EPA 04	N	7/11/1995	6,870.30	6.80	7.44	3894	485	325	194	7.4	253	2490	35.1	1.29	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	10/10/1995	6,870.40	6.70	7.04	4004	515	335	220	8	217	2641	33.1	1.04	< 0.1	< 1	< 0.1	0.002	< 0.01
EPA 04	N	1/9/1996	6,870.30	6.80	7.89	4093	505	335	213	8.3	257	2637	34.4	0.75	< 0.1	< 1	< 0.1	0.003	< 0.01
EPA 04	N	4/10/1996	6,870.20	6.90	7.63	4412	544	338	199	7.6	223	3002	36.6	0.85	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	7/17/1996	6,870.20	6.80	6.76	4161	485	300	221	8.3	216	2580	38	0.69	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	10/8/1996	6,870.10	6.60	7.12	4390	555	358	211	8.3	196	2721	35.3	0.79	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	1/28/1997	6,870.10	6.80	7.51	4290	510	335	192	7.84	222	2895	44	0.77	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	4/15/1997	6,869.90	6.40	7.38	4390	544	354	212	8.5	222	2829	39.4	0.83	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	7/15/1997	6,869.50	6.50	7.22	4320	556	338	200	8	227	2800	38.9	0.79	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	10/15/1997	6,869.40	6.40	7.60	4480	591	372	202	7.8	209	2900	49.1	0.82	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	1/20/1998	6,870.30	6.60	7.85	4480	588	366	216	8.7	212	3100	41.9	1.08	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	4/14/1998	6,869.50	6.70	7.08	4480	586	340	226	8.2	209	3010	35.1	0.85	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	7/14/1998	6,869.20	6.60	7.25	4620	576	366	223	8.8	200	3000	36.7	0.86	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	10/13/1998	no data	6.41	7.84	4520	579	348	228	8.6	218	3000	36.1	0.98	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	1/12/1999	6,869.50	6.60	7.53	4590	615	347	199	8	214	3000	37.2	0.92	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	4/13/1999	6,869.80	6.50	7.46	4590	582	343	206	8.2	208	2860	43.8	0.97	0.11	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	7/20/1999	6,869.50	6.50	7.11	4790	555	323	193	10.4	207	2550	40	0.85	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	10/12/1999	6,869.20	6.60	7.94	4830	556	332	193	8.4	641	2780	39	0.87	< 0.1	< 1	< 0.1	0.001	< 0.01
EPA 04	N	1/11/2000	6,869.50	6.50	7.51	4680	557	332	187	8.8	204	2730	36.2	0.82	< 0.1	< 1	0.1	< 0.001	< 0.01
EPA 04	N	5/15/2000	6,869.10	6.70	7.42	4810	542	366	194	9.1	173	3000	37.5	1.03	< 0.1	< 1	< 0.1	0.001	< 0.01
EPA 04	N	7/11/2000	6,868.90	6.54	7.07	4790	574	386	199	8.4	171	2910	38.8	0.97	< 0.1	< 1	< 0.1	< 0.001	< 0.01

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

Location ID	Desc	Sample Date	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	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
NRC Standard			0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	9.4	5	1	15
EPA Standard			0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 04	N	4/17/1991	< 0.01	< 0.01	< 0.05	3.87	< 0.1	< 0.05	< 0.001	< 0.1	0.001	0.7	4.9	5.6	< 0.2	< 1	< 1
EPA 04	N	7/3/1991	< 0.01	0.01	< 0.05	3.21	0.03	< 0.05	< 0.001	< 0.1	0.0029	1.5	5.1	6.6	< 0.2	< 1	1
EPA 04	N	10/22/1991	< 0.01	0.02	< 0.05	3.28	< 0.1	< 0.05	< 0.001	< 0.1	0.0684	0.7	3.9	4.6	< 0.2	1.8	< 1
EPA 04	N	1/23/1992	< 0.01	< 0.01	< 0.05	2.95	< 0.1	< 0.05	< 0.001	< 0.1	0.007	1.2	< 1	1.2	< 0.2	1.9	1
EPA 04	N	4/2/1992	< 0.01	< 0.01	< 0.05	3.34	< 0.1	< 0.05	< 0.001	< 0.1	0.001	0.5	5.4	5.9	< 0.2	9.1	< 1
EPA 04	N	7/15/1992	< 0.01	< 0.01	< 0.05	3.19	< 0.1	< 0.05	< 0.001	< 0.1	0.004	1.9	5	6.9	< 0.2	< 1	2
EPA 04	N	10/14/1992	< 0.01	< 0.01	< 0.05	3.41	< 0.1	< 0.05	< 0.001	< 0.1	0.029	1.9	7.1	9	< 0.2	< 1	2.1
EPA 04	N	1/13/1993	< 0.01	0.02	< 0.05	3.47	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1	13.8	14.8	< 0.2	< 1	1.1
EPA 04	N	4/15/1993	< 0.01	< 0.01	< 0.05	3.55	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1	1.1	2.1	< 0.2	< 1	1.2
EPA 04	N	7/20/1993	< 0.01	< 0.01	< 0.05	2.81	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.1	3.5	4.6	< 0.2	< 1	1.5
EPA 04	N	10/12/1993	< 0.01	0.01	< 0.05	3.08	< 0.1	< 0.05	< 0.001	< 0.1	0.003	1.2	2.7	3.9	< 0.2	1.3	5.2
EPA 04	N	1/11/1994	< 0.01	< 0.01	< 0.05	3.59	< 0.1	< 0.05	< 0.001	< 0.1	0.001	1.1	3	4.1	< 0.2	< 1	6.6
EPA 04	N	4/20/1994	< 0.01	< 0.01	< 0.05	2.77	< 0.1	< 0.05	< 0.001	< 0.1	0.001	2	3	5	< 0.2	1.8	6.7
EPA 04	N	7/26/1994	< 0.01	< 0.01	< 0.05	3.4	< 0.1	< 0.05	< 0.001	< 0.1	0.002	1.9	5.1	7	< 0.2	< 1	9.7
EPA 04	N	10/11/1994	< 0.01	< 0.01	< 0.05	2.95	< 0.1	< 0.05	< 0.001	< 0.1	0.001	1.6	2.3	3.9	< 0.2	< 1	5.2
EPA 04	N	1/10/1995	< 0.01	< 0.01	< 0.05	3.42	< 0.1	< 0.05	< 0.001	< 0.1	0.001	1.7	2.5	4.2	0.2	3	5.6
EPA 04	N	4/6/1995	< 0.01	< 0.01	< 0.05	3.25	< 0.1	< 0.05	< 0.001	< 0.1	0.001	1.4	3	4.4	< 0.2	< 1	6.1
EPA 04	N	7/11/1995	< 0.01	< 0.01	< 0.05	2.76	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	0.7	3.1	3.8	0.4	< 1	5
EPA 04	N	10/10/1995	< 0.01	< 0.01	< 0.05	2.89	< 0.1	< 0.05	< 0.001	< 0.1	0.0008	1.5	4.2	5.7	0.4	< 1	2.2
EPA 04	N	1/9/1996	< 0.01	< 0.01	< 0.05	2.83	< 0.1	< 0.05	< 0.001	< 0.1	0.001	1.1	2.4	3.5	< 0.2	2.6	< 1
EPA 04	N	4/10/1996	< 0.01	< 0.01	< 0.05	3.2	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.2	3.3	4.5	< 0.2	< 1	< 1
EPA 04	N	7/17/1996	< 0.01	< 0.01	< 0.05	2.85	< 0.1	< 0.05	< 0.001	< 0.1	0.0009	0.5	< 1	0.5	< 0.2	< 1	< 1
EPA 04	N	10/8/1996	< 0.01	< 0.01	< 0.05	2.89	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.2	< 1	1.2	< 0.2	< 1	< 1
EPA 04	N	1/28/1997	< 0.01	< 0.01	< 0.05	2.82	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.5	< 1	1.5	< 0.2	< 1	2.1
EPA 04	N	4/15/1997	< 0.01	< 0.01	< 0.05	2.97	< 0.1	< 0.05	< 0.001	< 0.1	0.001	0.9	1.2	2.1	< 0.2	< 1	2.3
EPA 04	N	7/15/1997	< 0.01	< 0.01	< 0.05	2.58	< 0.1	< 0.05	< 0.001	< 0.1	0.0009	1	4.1	5.1	< 0.2	< 1	< 1
EPA 04	N	10/15/1997	< 0.01	< 0.01	< 0.05	3.06	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	0.6	< 1	0.6	< 0.2	< 1	< 1
EPA 04	N	1/20/1998	< 0.005	< 0.01	< 0.05	3.25	< 0.1	< 0.05	< 0.001	< 0.1	0.0011	1	< 1	1	< 0.2	< 1	< 1
EPA 04	N	4/14/1998	< 0.005	< 0.01	< 0.05	2.88	< 0.1	< 0.05	< 0.001	< 0.1	0.0011	1.5	< 1	1.5	< 0.2	< 1	< 1
EPA 04	N	7/14/1998	< 0.005	< 0.01	< 0.05	2.98	< 0.1	< 0.05	< 0.001	< 0.1	0.0009	0.6	3.7	4.3	< 0.2	< 1	< 1
EPA 04	N	10/13/1998	< 0.005	< 0.01	< 0.05	2.87	< 0.1	< 0.05	< 0.001	< 0.1	0.001	1.2	3.9	5.1	< 0.2	< 1	< 1
EPA 04	N	1/12/1999	< 0.005	< 0.01	< 0.05	2.78	< 0.1	< 0.05	< 0.001	< 0.1	0.0033	1.5	4.2	5.7	< 0.2	< 1	< 1
EPA 04	N	4/13/1999	< 0.005	< 0.01	< 0.05	3	< 0.1	< 0.05	< 0.001	< 0.1	0.0017	2.2	3.5	5.7	< 0.2	2.2	2.2
EPA 04	N	7/20/1999	< 0.005	< 0.01	< 0.05	2.33	< 0.1	< 0.05	< 0.001	< 0.1	0.0013	0.9	1.5	2.4	< 0.2	1.5	1.5
EPA 04	N	10/12/1999	< 0.005	< 0.01	< 0.05	2.93	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.2	3.3	4.5	< 0.2	< 1	1.4
EPA 04	N	1/11/2000	< 0.005	< 0.01	< 0.05	3.1	< 0.1	0.06	< 0.001	< 0.1	0.0021	1	< 1	1	< 0.2	< 1	< 1
EPA 04	N	5/15/2000	< 0.005	< 0.01	< 0.05	4.15	< 0.1	< 0.05	< 0.001	< 0.1	0.0006	1.9	3.8	5.7	< 0.2	< 1	1.3
EPA 04	N	7/11/2000	0.007	< 0.01	< 0.05	3.37	< 0.1	< 0.05	< 0.001	< 0.1	0.0006	< 2	2.4	2.4	< 0.2	< 1	1.8

TABLE C.1
Zone 1 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	As	Be
			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	mg/l
NRC Standard			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA	0.05	0.05
EPA Standard			NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
EPA 04	N	10/3/2000	6,868.90	6.61	7.21	4740	541	372	193	9.2	175	2770	36.5	0.74	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	1/9/2001	6,868.95	6.73	7.30	4680	555	373	164	8.7	174	2890	43.4	0.88	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	4/3/2001	6,868.80	6.70	7.06	4620	651	427	170	8.1	177	3230	42.1	1.01	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	7/17/2001	6,868.25	6.94	7.02	4780	533	372	173	9.1	172	2690	48.3	1.01	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	10/9/2001	6,868.30	6.55	6.80	4770	520	360	165	8.7	174	2700	46.3	0.86	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	1/14/2002	6,868.25	6.75	6.90	4730	624	413	165	10.5	178	2980	46.2	0.85	0.16	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	4/9/2002	6,867.90	6.54	7.27	4790	545	369	186	9	167	2880	39.5	0.82	0.31	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	7/16/2002	6,867.85	6.52	7.53	4740	533	369	172	10.4	163	2870	43.1	1.07	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	10/15/2002	6,867.70	6.32	7.06	4240	613	414	196	9.1	179	3260	40	1.15	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	1/14/2003	6,867.38	6.61	7.13	4720	461	319	154	9.6	164	2420	30.5	1.21	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	4/14/2003	6,867.44	6.67	7.07	4770	538	386	201	12.5	162	2940	37.9	1.17	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	7/15/2003	6,867.14	6.44	7.30	4820	552	374	186	9.3	168	2880	35	1.15	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	10/14/2003	6,866.96	6.49	7.42	4760	626	416	189	8.6	158	3140	38.9	0.91	< 0.1	< 1	0.2	< 0.001	< 0.01
EPA 04	N	1/13/2004	6,866.80	6.53	7.30	4780	603	417	188	10.2	166	3160	39.2	1.1	< 0.10	< 1.0	< 0.1	< 0.001	< 0.01
EPA 04	N	4/13/2004	6,866.82	6.35	6.55	4730	550	385	188	9.6	167	3040	43.4	1.21	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	N	7/20/2004	6,866.61	6.64	6.40	4690	597 D	391 D	200	8.2	183	3020 D	38	1.08	< 0.10	< 1.0	< 0.1	< 0.001	< 0.01
EPA 04	N	10/12/2004	6,866.64	6.67	6.80	4850	586 D	408 D	188	8.4	201	3060 D	37	1.02	< 0.10	< 1.0	< 0.1	< 0.001	< 0.01
EPA 04	N	1/11/2005	6,866.93	6.70	6.81	4750	557 D	382 D	192	8.6	165	2890 D	39	0.78	< 0.1	< 1.0	< 0.1	< 0.001	< 0.01
EPA 04	N	4/12/2005	no data	no data	6.79	4550	592	410	201	8.8	165	3190	40	0.85	< 0.1	< 1.0	< 0.1	< 0.001	< 0.01
EPA 04	N	7/19/2005	6,866.15	6.28	6.82	4720	549 D	386 D	193	8.3	180	2820 D	33	0.95	< 0.1	< 1.0	< 0.1	< 0.001	< 0.01
EPA 04	N	10/11/2005	6,866.02	6.65	7.02	4580	544 D	382 D	190	8.9	174	2880 D	39	0.77	< 0.1	< 1.0	< 0.1	< 0.001	< 0.01
EPA 04	N	1/17/2006	6,865.81	6.79	7.20	4480	525 D	372 D	179	8.7	177	2720 D	38	1.07	< 0.1	< 1.0	< 0.1	< 0.001	< 0.01
EPA 04	N	4/11/2006	6,865.71	6.64	7.22	4530	578 D	407 D	186	8.5	217	2980 D	41	1.09	< 0.1	< 1.0	< 0.1	< 0.001	< 0.01
EPA 04	N	7/25/2006	6,865.55	6.58	7.37	4420	570 D	388 D	196	9.2	254	3000 D	38	0.81	0.2	< 1.0	< 0.1	< 0.001	< 0.01
EPA 04	N	10/10/2006	6,865.45	6.60	6.89	4330	542 D	374 D	186	8.5	173	2830 D	34	0.78	< 0.1	< 0.5	< 0.1	< 0.001	< 0.01
EPA 04	N	1/23/2007	6,865.28	6.69	6.93	4620	534 D	376 D	187	9.3	165	2840 D	40	0.77	< 0.1	< 0.5	< 0.1	< 0.001	< 0.01
EPA 04	N	4/16/2007	6,865.20	6.60	6.82	4560	542 D	392 D	167	8.7	185	3060 D	40	0.82	< 0.1	< 0.5	< 0.1	< 0.001	< 0.01
EPA 04	N	7/16/2007	6,864.75	6.62	7.08	4390	555 D	388 D	176	8	181	2980 D	34	0.68	0.1	< 0.5	< 0.1	0.002	< 0.01
EPA 04	N	10/8/2007	6,864.52	6.67	6.91	4520	543 D	374 D	170	8.1	128	2840 D	36	0.64	< 0.1	< 0.5	< 0.1	< 0.001	< 0.01
EPA 04	N	1/21/2008	6,864.80	6.73	7.07 H	4250	533 D	359 D	140	8.5	174	2820 D	44 D	0.56	0.1	< 0.5	< 0.1	< 0.001	< 0.01
EPA 04	N	4/14/2008	6,864.50	6.33	6.83	4380	578	396	183 D	8.4	167	2980 D	35	0.61	< 0.1	< 0.5	< 0.1	0.002	< 0.01
EPA 04	N	7/14/2008	6,864.30	6.77	6.71	4420	516	384	184 D	8	167	3240 D	31	0.54	< 0.1	< 0.5	< 0.1	< 0.003	< 0.01
EPA 04	N	10/13/2008	6,864.08	6.69	6.65	4540 H	561	371	177 D	8	153	3120 D	34	0.9	< 0.1	< 0.5	< 0.1	< 0.001	< 0.01
EPA 04	N	1/19/2009	6,863.70	6.69	7.31	3910 H	499	353	172	8	160	2850 D	33	0.35	< 0.1	< 0.5	< 0.1	< 0.001	< 0.01
EPA 04	N	4/13/2009	6,863.90	6.52	6.55	4630	558 D	368	182 D	9	167	2950 D	36	0.6	< 0.1	< 0.50	< 0.1	< 0.001	< 0.01
EPA 04	N	7/13/2009	6,863.60	6.47	7.14 H	4590 H	562	372	181	9	155	3030 DH	38	0.8	< 0.1	< 0.50	< 0.1	< 0.001	< 0.01
EPA 04	N	10/12/2009	6,863.70	6.73	7.07	4640	540	364	183	9	161	3010 D	42	0.76	< 0.1	< 0.50	< 0.1	< 0.001	< 0.01
EPA 04	N	1/11/2010	6,863.30	6.8	6.81	4540 D	578 D	389	184 D	9	167	3030 D	30	0.58	3.7	< 0.50	< 0.1	< 0.001	< 0.01

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

Location ID	Desc	Sample Date	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	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
NRC Standard			0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	9.4	5	1	15
EPA Standard			0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 04	N	10/3/2000	< 0.005	< 0.01	< 0.05	2.66	< 0.1	< 0.05	< 0.001	< 0.1	0.0005	1.3	3.5	4.8	< 0.2	< 1	1.4
EPA 04	N	1/9/2001	< 0.005	< 0.01	< 0.05	3.28	< 0.1	< 0.05	< 0.001	< 0.1	0.0004	1.5	5	6.5	< 0.2	< 1	2.2
EPA 04	N	4/3/2001	< 0.005	< 0.01	< 0.05	3.37	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.2	3.8	5	< 0.2	< 1	1.8
EPA 04	N	7/17/2001	< 0.005	< 0.01	< 0.05	3.22	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.1	5.8	6.9	< 0.2	< 1	2.2
EPA 04	N	10/9/2001	< 0.005	< 0.01	< 0.05	2.65	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.5	3.7	5.2	< 0.2	< 1	< 1
EPA 04	N	1/14/2002	< 0.005	< 0.01	< 0.05	3.59	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.5	5.4	6.9	< 0.2	< 1	< 1
EPA 04	N	4/9/2002	< 0.005	< 0.01	< 0.05	3.53	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.3	2	3.3	< 0.2	< 1	1.3
EPA 04	N	7/16/2002	< 0.005	< 0.01	< 0.05	3.37	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.4	< 1	1.4	< 0.2	< 1	< 1
EPA 04	N	10/15/2002	< 0.005	< 0.01	< 0.05	3.4	< 0.1	< 0.05	< 0.001	< 0.1	0.0005	1.7	< 1	1.7	< 0.2	< 1	< 1
EPA 04	N	1/14/2003	< 0.005	< 0.01	< 0.05	3.29	< 0.1	< 0.05	< 0.001	< 0.1	0.0005	1.9	< 1	1.9	< 0.2	< 1	2
EPA 04	N	4/14/2003	< 0.005	< 0.01	< 0.05	3.33	< 0.1	< 0.05	< 0.001	< 0.1	0.0004	1.7	7.9	9.6	< 0.2	< 1	3
EPA 04	N	7/15/2003	< 0.005	< 0.01	< 0.05	3.35	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.5	3.1	4.6	< 0.2	< 1	< 1.0
EPA 04	N	10/14/2003	< 0.005	< 0.01	< 0.05	3.32	< 0.1	< 0.05	< 0.001	< 0.1	0.0004	0.5	5.6	6.1	< 0.2	< 1	1.5
EPA 04	N	1/13/2004	< 0.005	< 0.01	< 0.05	3.74	< 0.1	< 0.05	< 0.001	< 0.1	0.0004 D	1.1	< 1.0	1.1	< 0.2	< 1.0	2.1
EPA 04	N	4/13/2004	< 0.005	< 0.01	< 0.05	3.41	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0004 D	0.7	< 1	0.7	< 0.2	< 1	1.7
EPA 04	N	7/20/2004	< 0.005	< 0.01	< 0.05	3.27	< 0.1	< 0.05	< 0.001	< 0.1	0.0004 D	1.6	2.4	4	< 0.2	< 1.0	2.1
EPA 04	N	10/12/2004	< 0.005	< 0.01	< 0.05	3.1	< 0.1	< 0.05	< 0.001	< 0.1	0.0004	1.5	3.3	4.8	< 0.2	< 1.0	1.9
EPA 04	N	1/11/2005	< 0.005	< 0.01	< 0.05	3.16	< 0.1	< 0.05	< 0.001	< 0.1	0.0004	0.7	2.5	3.2	< 0.2	< 1.0	3.6
EPA 04	N	4/12/2005	< 0.005	< 0.01	< 0.05	3.39	< 0.1	< 0.05	< 0.001	< 0.1	0.0007	0.9	2	2.9	< 0.2	< 1.0	1.7
EPA 04	N	7/19/2005	< 0.005	< 0.01	< 0.05	3.23	< 0.1	< 0.05	< 0.001	< 0.1	0.0004	1.2	2	3.2	< 0.2	< 1.0	2.6
EPA 04	N	10/11/2005	< 0.005	< 0.01	< 0.05	3.24	< 0.1	< 0.05	< 0.001	< 0.1	0.0005	1.4	3.3	4.7	< 0.2	< 1.0	1.6
EPA 04	N	1/17/2006	< 0.005	< 0.01	< 0.05	3.42	< 0.1	< 0.05	< 0.001	< 0.1	0.0004	1.4	< 1.0	1.4	< 0.2	< 1.0	2.8
EPA 04	N	4/11/2006	< 0.005	< 0.01	< 0.05	3.12	< 0.1	< 0.05	< 0.001	< 0.1	0.0006	0.9	4.9	5.8	< 0.2	< 1.0	1.3
EPA 04	N	7/25/2006	< 0.005	< 0.01	< 0.05	2.94	< 0.1	< 0.05	< 0.001	< 0.1	0.0005	0.8	3.3	4.1	< 0.2	< 1.0	< 1.0
EPA 04	N	10/10/2006	< 0.005	< 0.01	< 0.05	3.53	< 0.1	< 0.05	< 0.001	< 0.1	0.0004	1.1	1.8	2.9	< 0.2	< 1	1.4
EPA 04	N	1/23/2007	< 0.005	< 0.01	< 0.05	3.54	< 0.1	< 0.05	< 0.001	< 0.1	0.0004	1	< 1	1	< 0.2	< 1	3.1
EPA 04	N	4/16/2007	< 0.005	< 0.01	< 0.05	3.3	< 0.1	< 0.05	< 0.001	< 0.1	0.0004 D	1	< 1	1	< 0.2	< 1	1.1
EPA 04	N	7/16/2007	< 0.005	< 0.01	< 0.05	3.04	< 0.1	< 0.05	< 0.001	< 0.1	0.0004	1.5	< 1	1.5	< 0.2	< 1	1.7
EPA 04	N	10/8/2007	< 0.005	< 0.01	< 0.05	3.43	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	0.9	< 1	0.9	< 0.2	< 1	2.3
EPA 04	N	1/21/2008	< 0.005	< 0.01	< 0.05	3.46	< 0.1	< 0.05	0.002	< 0.1	0.0005	1.7	< 1	1.7	< 0.2	4.4	1.5
EPA 04	N	4/14/2008	< 0.005	< 0.01	< 0.05	3.48	< 0.1	< 0.05	< 0.001	< 0.1	0.0004	1.2	3	4.2	0.2	0.7 U	2.5
EPA 04	N	7/14/2008	< 0.005	< 0.01	< 0.05	3.65	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0005	1.4	3	4.4	-0.3 U	0.1 U	1
EPA 04	N	10/13/2008	< 0.005	< 0.01	< 0.05	3.4	< 0.1	< 0.05	< 0.001	< 0.1	0.0004	1.1	2.6	3.7	-0.3 U	-0.1 U	2.2
EPA 04	N	1/19/2009	< 0.005	< 0.01	< 0.05	3.38	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1	2.5	3.5	0.4	0.3 U	2
EPA 04	N	4/13/2009	< 0.005	< 0.01	< 0.05	3.31	< 0.1	< 0.05	< 0.001	< 0.1	0.0006	1.2	2.8	4	-0.1 U	0.7 U	1.6
EPA 04	N	7/13/2009	< 0.005	< 0.01	< 0.05	3.08	< 0.1	< 0.05	0.001	< 0.1	0.0003	1	2.5	3.5	-0.1 U	-0.6 U	3.3
EPA 04	N	10/12/2009	< 0.005	< 0.01	< 0.05	3.48	< 0.1	< 0.05	< 0.001	< 0.1	0.0004	1.2	3.4	4.6	-0.0009 U	-0.2 U	1.6
EPA 04	N	1/11/2010	< 0.005	< 0.01	< 0.05	3.35	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	0.73	3	3.73	0.02 U	0.1 U	1.6

TABLE C.1
Zone 1 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	As	Be
			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	mg/l
NRC Standard			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA	0.05	0.05
EPA Standard			NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
EPA 04	N	4/12/2010	6,863.50	6.67	7.06	4480 D	554	376	185	9	179	3280 D	38	0.8	<0.1	<0.50	<0.1	<0.001	<0.01
EPA 04	N	7/19/2010	6,863.20	6.51	6.94	4540 D	568	396	180	8	157	3010 D	34 D	1.21	<0.1	<0.50	<0.1	<0.001	<0.01
EPA 04	N	10/11/2010	6,863.35	6.64	7.51	3560 D	560	373	194	9	153	3210 D	31 D	0.89	0.9	<0.50	<0.1	<0.001	<0.01
EPA 04	Dup	1/10/2011	no data	no data	7.52	4300 D	550	370	176	8	168	2860 D	35 D	0.76	<0.1	2.21	<0.1	<0.001	<0.01
EPA 04	N	1/10/2011	6,863.35	6.8	7.41	4550 D	580	384	186	9	185	3060 D	35 D	0.77	<0.1	0.71	<0.1	0.002	<0.01
EPA 04	Dup	4/11/2011	6,862.46	6.84	6.92	4440 D	564	374	193	9	165	3030 D	37 D	0.79	<0.1	2.52	<0.1	0.002	<0.01
EPA 04	N	4/11/2011	6,862.90	6.71	7.02	4580 D	578	382	192	9	184	3040 D	35 D	0.79	<0.1	0.62	<0.1	0.001	<0.01
EPA 04	N	7/18/2011	6,862.80	6.5	7.51	4330 D	560	368	188	9	160	2870 D	35 D	0.8 D	<0.1	<0.50	0.5	<0.001	<0.01
EPA 04	N	10/10/2011	6,862.90	6.65	7.38	4390 D	578	375	187	9	145	3070 D	37 D	0.9 D	<0.1	<0.50	<0.1	<0.001	<0.01
EPA 05	N	7/26/1989	6,895.20	6.50	6.15	5192	625	508	151	8.5	295	3279	93.1	0.3	15.8	< 1	< 0.1	< 0.001	< 0.05
EPA 05	N	10/5/1989	6,895.40	6.10	6.90	5726	639	531	171	12.3	512	3255	141	0.12	29	< 1	< 0.1	< 0.001	< 0.05
EPA 05	N	1/16/1990	6,895.60	6.10	6.40	5698	628	539	186	9.49	567	3175	169	0.18	53.2	< 1	< 0.1	< 0.001	< 0.05
EPA 05	N	4/17/1990	6,895.50	6.00	6.80	5882	662	555	199	9.5	671	3159	172	0.31	53	< 1	< 0.1	< 0.001	< 0.05
EPA 05	N	7/17/1990	6,895.10	6.00	6.46	5886	723	548	204	10.3	672	3146	152	0.15	41	< 1	< 0.1	< 0.001	< 0.05
EPA 05	N	10/16/1990	6,895.00	6.00	7.11	6192	647	540	215	9	742	3391	199	0.18	53	< 1	< 0.1	< 0.001	< 0.05
EPA 05	N	1/8/1991	6,894.80	6.10	7.22	5554	641	485	171	7.3	586	3088	137	0.27	36	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	4/17/1991	6,894.90	5.90	7.43	6608	678	591	241	10.6	380	3536	219	0.23	68	< 1	0.27	< 0.001	< 0.01
EPA 05	N	7/3/1991	6,894.60	6.10	6.69	5926	634	512	187	8.7	326	3440	146	0.38	39.4	< 1	0.15	< 0.001	< 0.01
EPA 05	N	10/22/1991	6,894.70	6.00	6.95	7076	676	712	263	10.2	653	3873	226	0.32	43.1	< 1	0.17	< 0.001	< 0.01
EPA 05	N	1/23/1992	no data	6.10	6.81	6207	607	679	246	9.7	312	3679	183	0.25	26.3	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	4/2/1992	6,894.60	5.90	7.21	7719	703	695	336	13.3	1091	4080	289	0.32	28.9	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	7/15/1992	6,894.20	6.20	7.18	7158	570	659	328	11.4	878	3934	192	0.23	29.6	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	10/15/1992	6,894.10	6.20	6.85	7824	612	774	365	12.9	857	4186	215	0.19	67.4	< 1	< 0.1	0.001	< 0.01
EPA 05	N	1/12/1993	6,894.50	6.10	6.78	8011	599	791	344	12.7	880	4407	214	0.19	93.5	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	4/15/1993	6,894.50	6.10	7.01	7246	621	751	303	8.8	926	4024	179	0.34	118	< 1	< 0.1	< 0.001	< 0.001
EPA 05	N	7/20/1993	6,894.30	6.20	7.14	6893	598	748	371	9.7	1000	3990	224	0.22	91.6	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	10/12/1993	6,892.00	6.50	6.76	7441	599	923	345	9.4	1177	4387	197	< 0.05	72	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	1/11/1994	6,894.00	6.50	7.19	8037	549	857	318	8.4	1109	4491	208	0.15	95.2	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	4/19/1994	6,893.80	6.30	7.72	8035	625	930	408	10.2	693	4651	121	0.25	91	< 1	< 0.1	0.001	< 0.01
EPA 05	N	7/26/1994	6,893.70	6.30	7.32	7684	601	926	399	9.5	1116	4492	209	0.12	91.9	< 1	0.16	< 0.001	< 0.01
EPA 05	N	10/11/1994	6,893.50	6.30	7.41	7630	572	998	371	9.4	1077	4448	204	0.13	99.8	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	1/11/1995	6,893.50	6.30	7.02	8106	581	960	325	10.8	1032	4533	192	0.17	87.3	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	4/11/1995	6,894.10	6.50	6.85	8693	595	1070	388	10.4	1168	4895	245	0.36	96	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	7/11/1995	6,893.30	6.50	7.41	8075	547	1043	388	9.8	1150	4604	205	0.47	82.9	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	10/10/1995	6,893.40	6.50	7.56	8070	550	1018	385	10.2	1258	4529	201	0.67	86.6	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	1/9/1996	6,893.20	6.60	7.52	7693	508	966	376	10.9	1182	4420	198	1.44	94	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	4/10/1996	6,893.10	6.70	7.54	8569	590	1110	362	10.7	1221	5200	211	2.74	89.2	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	7/17/1996	6,893.00	6.40	6.87	8522	510	957	372	11.9	1275	4404	221	1.05	100	1.42	< 0.1	< 0.001	< 0.01

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

Location ID	Desc	Sample Date	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	pci/l	pci/l	pci/l	pci/l	
NRC Standard			0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	9.4	5	1	15
EPA Standard			0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 04	N	4/12/2010	<0.005	<0.01	<0.05	3.5	<0.1	<0.05	<0.001	<0.1	<0.0003	1.4	3.4	4.8	0.07 U	-0.6 U	1.6
EPA 04	N	7/19/2010	<0.005	<0.01	<0.05	3	<0.1	<0.05	<0.001	<0.1	0.0004	1.5	3	4.5	0.08 U	-0.1 U	3.3
EPA 04	N	10/11/2010	<0.005	<0.01	<0.05	3.19	<0.1	<0.05	<0.001	<0.1	0.0004	1.3	3.3	4.6	0.06 U	2.4	1.9
EPA 04	Dup	1/10/2011	<0.005	<0.01	<0.05	3.4	<0.1	<0.05	<0.001	<0.1	<0.0003	1.5	3.3	4.8	0.07 U	0.2 U	4
EPA 04	N	1/10/2011	<0.005	<0.01	<0.05	3.34	<0.1	<0.05	<0.001	<0.1	0.0003	1.7	3.5	5.2	0.06 U	0.4 U	3.7
EPA 04	Dup	4/11/2011	<0.005	<0.01	<0.05	3.18	<0.1	<0.05	<0.001	<0.1	<0.0003	1	3.1	4.1	0.1 U	1 U	1.3
EPA 04	N	4/11/2011	<0.005	<0.01	<0.05	3.44	<0.1	<0.05	<0.001	<0.1	0.0003	1.1	2.2	3.3	0.07 U	1.4	1.7
EPA 04	N	7/18/2011	<0.005	<0.01	<0.05	2.94	<0.1	<0.05	<0.001	<0.1	0.0004	0.99	2.9	3.89	0.04 U	-0.3 U	1.1
EPA 04	N	10/10/2011	<0.005	<0.01	<0.05	2.56	<0.1	<0.05	<0.001	<0.1	0.0004	1.5	2.5	4	0.04 U	0.9 U	2.1
EPA 05	N	7/26/1989	< 0.01	0.02	< 0.05	1.7	< 0.1	< 0.05	0.001	< 0.1	0.0069	1.7	1.3	3	3.2	1.2	2.2
EPA 05	N	10/5/1989	< 0.01	0.04	< 0.05	1.3	< 0.01	< 0.05	< 0.001	< 0.1	0.022	1.1	1.8	2.9	0.3	< 1	1.5
EPA 05	N	1/16/1990	< 0.01	< 0.01	< 0.05	1.8	< 0.1	< 0.05	0.002	< 0.1	0.032	0.7	2.8	3.5	0.2	< 1	1.1
EPA 05	N	4/17/1990	< 0.01	0.03	< 0.05	2.2	< 0.1	0.1	< 0.001	< 0.1	0.041	1.1	2.2	3.3	< 0.2	< 1	1.8
EPA 05	N	7/17/1990	< 0.01	0.03	< 0.05	2.36	< 0.1	< 0.05	0.001	< 0.1	0.0475	2.1	2.3	4.4	< 0.2	3.6	2
EPA 05	N	10/16/1990	< 0.01	0.03	< 0.05	2.79	< 0.1	< 0.05	< 0.001	< 0.1	0.0371	0.9	1.6	2.5	< 0.2	< 1	< 1
EPA 05	N	1/8/1991	< 0.01	0.03	< 0.05	3.17	< 0.1	< 0.05	0.001	< 0.1	0.0003	0.8	< 1	0.8	< 0.2	< 1	< 1
EPA 05	N	4/17/1991	< 0.0045	0.06	< 0.05	3.81	< 0.1	0.09	0.001	< 0.1	0.04	0.6	< 1	0.6	< 0.2	2.3	< 1
EPA 05	N	7/3/1991	< 0.01	0.03	< 0.05	2.8	0.1	< 0.05	0.001	< 0.1	0.0422	0.7	3.1	3.8	< 0.2	< 1	< 1
EPA 05	N	10/22/1991	< 0.01	0.05	< 0.05	3.31	< 0.1	0.1	0.003	< 0.1	0.0021	0.7	1.8	2.5	< 0.2	1.8	< 1
EPA 05	N	1/23/1992	< 0.01	0.06	< 0.05	3	< 0.1	0.08	< 0.001	< 0.1	0.064	0.7	1	1.7	< 0.2	1.4	< 1
EPA 05	N	4/2/1992	< 0.01	0.05	< 0.05	2.56	< 0.1	< 0.05	0.013	< 0.1	0.002	0.2	2.8	3	< 0.2	6	< 1
EPA 05	N	7/15/1992	< 0.01	0.06	< 0.05	2.31	< 0.1	0.07	0.003	< 0.1	0.005	0.9	4.5	5.4	< 0.2	1.5	< 1
EPA 05	N	10/15/1992	< 0.01	0.1	< 0.05	1.96	< 0.1	0.12	0.005	< 0.1	0.105	1.3	< 1	1.3	< 0.2	< 1	1.9
EPA 05	N	1/12/1993	< 0.01	0.12	< 0.05	1.65	< 0.1	0.06	0.03	< 0.1	0.077	1	2.2	3.2	< 0.2	< 1	1.5
EPA 05	N	4/15/1993	< 0.01	0.05	< 0.05	1.95	< 0.1	0.08	0.003	< 0.1	0.036	0.3	< 1	0.3	< 0.2	1.6	< 1
EPA 05	N	7/20/1993	< 0.01	0.07	< 0.05	1.36	< 0.1	0.09	0.005	< 0.1	0.073	1.5	2.7	4.2	< 0.2	< 1	1.8
EPA 05	N	10/12/1993	< 0.01	0.08	< 0.05	1.39	< 0.1	0.08	0.004	< 0.1	0.084	1.9	2.3	4.2	< 0.2	2.9	5.3
EPA 05	N	1/11/1994	< 0.01	0.07	< 0.05	1.45	< 0.1	0.09	0.002	< 0.1	0.1	0.8	1.2	2	< 0.2	< 1	3.6
EPA 05	N	4/19/1994	< 0.01	0.12	< 0.05	1.19	< 0.1	< 0.05	0.003	< 0.1	0.101	1.9	5.7	7.6	< 0.2	1	10.6
EPA 05	N	7/26/1994	< 0.01	0.07	< 0.05	1.27	< 0.1	0.05	0.002	< 0.1	0.102	1.1	7.7	8.8	< 0.2	1.4	12.8
EPA 05	N	10/11/1994	< 0.01	0.09	< 0.05	1.02	< 0.1	0.14	0.002	< 0.1	0.095	2.1	< 1	2.1	< 0.2	< 1	2.3
EPA 05	N	1/11/1995	< 0.01	0.06	< 0.05	1.11	< 0.1	0.09	0.003	< 0.1	0.109	1.1	3.4	4.5	< 0.2	< 1	6.4
EPA 05	N	4/11/1995	< 0.01	< 0.01	< 0.05	0.85	< 0.1	< 0.05	0.004	< 0.1	0.102	0.7	1.9	2.6	< 0.2	< 1	3.6
EPA 05	N	7/11/1995	< 0.01	0.065	< 0.05	0.6	< 0.1	0.06	0.004	< 0.1	0.09	1.1	< 1	1.1	< 0.2	< 1	5.6
EPA 05	N	10/10/1995	< 0.01	0.05	< 0.05	0.53	< 0.1	0.05	0.012	< 0.1	0.1132	1.4	4.8	6.2	0.7	< 1	2.1
EPA 05	N	1/9/1996	< 0.01	0.06	< 0.05	0.49	< 0.1	< 0.05	0.018	< 0.1	0.124	1.3	1.2	2.5	< 0.2	< 1	1.5
EPA 05	N	4/10/1996	< 0.01	0.05	< 0.05	0.47	< 0.1	0.05	0.001	< 0.1	0.126	0.8	2.7	3.5	0.7	< 1	< 1
EPA 05	N	7/17/1996	< 0.01	0.06	< 0.05	0.49	< 0.1	0.06	0.004	< 0.1	0.125	0.9	< 1	0.9	< 0.2	< 1	< 1

TABLE C.1
Zone 1 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	As	Be
			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	mg/l
NRC Standard			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA	0.05	0.05
EPA Standard			NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
EPA 05	N	10/8/1996	6,892.90	6.40	7.29	8870	581	1091	389	12	1294	4869	211	5.8	93.1	1.42	< 0.1	< 0.001	< 0.01
EPA 05	N	1/28/1997	6,892.70	6.50	7.81	8450	538	1050	343	11.3	1208	4620	246	6.24	86.7	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	4/15/1997	6,892.60	6.40	7.65	8670	544	1040	376	12.1	1220	4740	221	6.61	77.1	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	7/15/1997	6,892.20	6.30	7.43	8720	555	1010	351	12.4	1180	4570	216	7.6	78.1	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	10/21/1997	no data	6.70	7.70	8610	587	1100	368	12.7	1240	4840	254	9.31	90.3	< 1	0.11	< 0.001	< 0.01
EPA 05	N	1/20/1998	6,892.60	6.40	7.75	8290	532	1050	372	13.8	1100	5000	223	8.79	81.2	1.1	< 0.1	< 0.001	< 0.01
EPA 05	N	4/14/1998	6,892.40	6.60	7.16	8500	575	1010	374	13.2	1220	4720	195	1.72	83.7	1.3	< 0.1	< 0.001	< 0.01
EPA 05	N	7/14/1998	6,891.90	6.60	7.69	8620	541	963	364	14	1210	4200	201	11.4	67.7	1.1	< 0.1	< 0.001	< 0.01
EPA 05	N	10/13/1998	no data	6.45	7.75	8240	540	979	370	15	1190	4680	198	12.9	80	1	< 0.1	< 0.001	< 0.01
EPA 05	N	1/12/1999	6,892.00	6.50	7.75	8160	462	909	308	14.4	1140	4600	192	15.5	71.2	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	4/13/1999	6,892.20	6.50	7.71	8100	522	934	322	12.7	1100	4160	191	12.9	76.4	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	7/20/1999	6,891.94	6.50	7.55	8130	567	949	82	16.6	1090	4580	198	15	73.9	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	10/12/1999	6,891.80	6.45	7.75	7960	523	899	306	15	1086	4180	191	19.4	64.2	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	1/11/2000	6,891.90	6.50	7.78	7920	493	860	286	13.7	1050	3980	166	14.4	53.2	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	5/3/2000	6,891.80	6.20	7.56	5780	461	595	181	14.7	458	3160	94	22.3	42.3	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	7/11/2000	6,891.50	6.06	7.09	5720	496	630	188	13.5	415	3310	92.7	23	42.5	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	10/3/2000	6,891.60	6.14	6.99	5500	466	594	171	14.4	354	3060	85.4	20	37.5	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	1/9/2001	6,891.60	6.32	6.81	5560	475	591	148	12.7	362	3220	102	20.2	35.2	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	4/3/2001	6,891.40	6.30	7.22	5510	563	669	155	12	353	3460	96.3	17.5	36.3	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	7/17/2001	6,891.00	6.65	6.71	5520	448	563	150	13.7	267	2950	108	16.6	37.8	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	10/9/2001	6,891.10	5.99	6.50	5520	440	550	143	13	240	3000	95.2	16.2	35.8	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	1/14/2002	6,891.10	6.73	6.60	5430	531	621	139	14.1	230	3290	97.8	16.7	31	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	4/9/2002	6,890.74	6.05	6.80	5450	457	551	150	12.6	199	3150	88.8	15.7	29.8	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	7/16/2002	6,890.78	6.58	7.16	5410	452	550	139	13.6	179	3170	77.3	15.7	30.7	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	10/15/2002	6,890.63	6.30	6.77	4610	513	608	151	12.5	168	3580	75.1	15.1	12.3	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	1/14/2003	6,890.29	6.59	6.75	5320	429	524	145	15.1	160	2930	67.9	13.9	28.9	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	4/14/2003	6,890.24	6.00	6.75	5350	455	569	160	15.8	146	3210	80.2	12.6	29.8	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	7/9/2003	6,890.01	5.69	6.99	5340	486	580	139	12.6	138	3420	72.4	13.2	25.9	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	10/14/2003	6,890.07	5.72	7.02	5310	523	528	144	11.3	132	3390	75.8	11.6	25.9	< 1	0.4	< 0.001	< 0.01
EPA 05	N	1/12/2004	6,891.44	5.91	6.37	5310	508	600	156	12.6	120	3450	47.2	11.9 D	26.8 D	< 1.0	< 0.1	< 0.001	< 0.01
EPA 05	N	4/13/2004	6,889.95	5.63	5.87	5240	459	546	141	11.6	101	3410	82.4	10.8 D	22.6 D	< 1	< 0.1	< 0.001	< 0.01
EPA 05	N	7/20/2004	6,889.70	5.87	6.03	5360	505 D	562 D	147	10.4	124	3310 D	66	9.2 D	24.2 D	< 1.0	< 0.1	< 0.001	< 0.01
EPA 05	N	10/12/2004	6,889.67	5.89	6.32	5300	483 D	586 D	146	10.8	93	3300 D	71	10.1 D	25.1 D	< 1.0	< 0.1	< 0.001	< 0.01
EPA 05	N	1/11/2005	6,889.91	5.93	6.41	5220	494 D	563 D	138	10.7	86	3250 D	68	7.8 D	23.0 D	< 1.0	< 0.1	< 0.001	< 0.01
EPA 05	N	4/12/2005	no data	no data	6.29	4950	496	566	146	10.7	85	3410	72	8.3	23.6	< 1.0	0.1	< 0.001	< 0.01
EPA 05	N	7/19/2005	6,889.05	5.52	6.51	5200	466 D	541 D	136	10	100	3050 D	58	7.7 D	23.1 D	< 1.0	0.1	< 0.001	< 0.01
EPA 05	N	10/11/2005	6,889.14	5.87	6.51	5120	466 D	538 D	138	10.6	92	3120 D	66	7.8 D	22.4 D	< 1.0	< 0.1	< 0.001	< 0.01
EPA 05	N	1/17/2006	6,888.87	6.02	7.09	4960	474 D	551 D	127	9.8	85	3140 D	65	11.4 D	20.9 D	< 1.0	< 0.1	< 0.001	< 0.01

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

Location ID	Desc	Sample Date	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	pci/l	pci/l	pci/l	pci/l	pci/l
NRC Standard			0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	9.4	5	1	15
EPA Standard			0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 05	N	10/8/1996	< 0.01	0.06	< 0.05	0.51	< 0.1	0.06	0.002	< 0.1	0.117	0.6	< 1	0.6	< 0.2	< 1	< 1
EPA 05	N	1/28/1997	< 0.01	0.06	< 0.05	0.48	< 0.1	0.05	0.003	< 0.1	0.086	1.7	< 1	1.7	2	< 1	1.6
EPA 05	N	4/15/1997	< 0.01	0.05	< 0.05	0.47	< 0.1	0.06	0.024	< 0.1	0.107	1.8	< 1	1.8	< 0.2	< 1	< 1
EPA 05	N	7/15/1997	< 0.01	< 0.01	< 0.05	0.41	< 0.1	0.05	0.006	< 0.1	0.097	0.9	< 1	0.9	< 0.2	< 1	< 1
EPA 05	N	10/21/1997	< 0.01	0.07	< 0.05	0.53	0.5	0.06	0.018	< 0.1	0.121	0.9	3.3	4.2	< 0.2	< 1	< 1
EPA 05	N	1/20/1998	< 0.005	0.07	< 0.05	0.63	3.1	< 0.05	< 0.001	< 0.1	0.239	2.4	1.5	3.9	< 0.2	< 1	5
EPA 05	N	4/14/1998	< 0.005	0.06	< 0.05	0.57	0.53	0.05	0.005	< 0.1	0.147	1.4	< 1	1.4	< 0.2	< 1	< 1
EPA 05	N	7/14/1998	< 0.005	0.06	< 0.05	0.54	0.5	< 0.05	0.005	< 0.1	0.173	1.3	< 1	1.3	< 0.2	< 1	< 1
EPA 05	N	10/13/1998	< 0.005	0.05	< 0.05	0.53	0.55	< 0.05	0.005	< 0.1	0.139	1.4	3.1	4.5	< 0.2	< 1	2.2
EPA 05	N	1/12/1999	< 0.005	0.04	< 0.05	0.53	0.43	< 0.05	< 0.001	< 0.1	0.149	1.1	3.8	4.9	< 0.2	< 1	< 1
EPA 05	N	4/13/1999	< 0.005	0.06	< 0.05	0.53	0.44	< 0.05	0.004	< 0.1	0.13	1	2.1	3.1	< 0.2	3.5	3.5
EPA 05	N	7/20/1999	< 0.005	0.05	< 0.05	0.49	0.36	< 0.05	0.004	< 0.1	0.127	1.6	< 1	1.6	< 0.2	2.2	2.2
EPA 05	N	10/12/1999	< 0.005	0.04	< 0.05	0.59	0.35	< 0.05	0.001	< 0.1	0.124	1.2	< 1	1.2	< 0.2	< 1	< 1
EPA 05	N	1/11/2000	< 0.005	0.06	< 0.05	0.51	0.37	0.07	0.005	< 0.1	0.111	0.9	< 1	0.9	< 0.2	< 1	< 1
EPA 05	N	5/3/2000	< 0.005	0.08	< 0.05	1.23	< 0.1	0.1	0.003	< 0.1	0.0365	0.7	2	2.7	< 0.2	< 1	< 1
EPA 05	N	7/11/2000	< 0.005	0.08	0.05	1.16	< 0.1	< 0.05	< 0.001	< 0.1	0.0219	0.7	2.3	3	< 0.2	< 1	< 1
EPA 05	N	10/3/2000	< 0.005	0.08	< 0.05	1.09	< 0.1	0.08	0.001	< 0.1	0.015	0.8	2.7	3.5	< 0.2	< 1	1.4
EPA 05	N	1/9/2001	< 0.005	0.09	< 0.05	1.24	< 0.1	0.11	0.003	< 0.1	0.016	1.3	< 1	1.3	< 0.2	< 1	1.5
EPA 05	N	4/3/2001	< 0.005	0.1	< 0.05	1.39	< 0.1	0.12	0.003	< 0.1	0.015	1.2	< 1	1.2	< 0.2	< 1	< 1
EPA 05	N	7/17/2001	< 0.005	0.1	< 0.05	1.26	< 0.1	0.09	0.002	< 0.1	0.007	1.4	4.1	5.5	< 0.2	< 1	< 1
EPA 05	N	10/9/2001	< 0.005	0.08	< 0.05	0.98	< 0.1	0.07	0.002	< 0.1	0.007	1.7	2.3	4	< 0.2	< 1	< 1
EPA 05	N	1/14/2002	< 0.005	0.11	< 0.05	1.28	< 0.1	0.13	0.002	< 0.1	0.0061	1.7	4.8	6.5	< 0.2	< 1	1.2
EPA 05	N	4/9/2002	< 0.005	0.1	< 0.05	1.23	< 0.1	0.11	0.001	< 0.1	0.0046	0.8	1.5	2.3	< 0.2	< 1	1.5
EPA 05	N	7/16/2002	< 0.005	0.1	< 0.05	1.25	< 0.1	0.09	0.001	< 0.1	< 0.0003	1.5	< 1	1.5	< 0.2	< 1	2.7
EPA 05	N	10/15/2002	< 0.005	0.09	< 0.05	1.17	< 0.1	0.1	< 0.001	< 0.1	0.0026	1.8	< 1	1.8	< 0.2	< 1	2.7
EPA 05	N	1/14/2003	< 0.005	0.1	< 0.05	1.22	< 0.1	0.09	< 0.001	< 0.1	0.003	1.1	< 1	1.1	< 0.2	< 1	2.3
EPA 05	N	4/14/2003	< 0.005	0.11	< 0.05	1.41	< 0.1	0.09	< 0.001	< 0.1	0.002	1.5	3.5	5	< 0.2	< 1	3.2
EPA 05	N	7/9/2003	< 0.005	0.1	< 0.05	1.29	< 0.1	0.07	< 0.001	< 0.1	0.0006	1.6	< 1	1.6	< 0.2	< 1	< 1.0
EPA 05	N	10/14/2003	< 0.005	0.1	< 0.05	1.28	< 0.1	0.08	< 0.001	< 0.1	0.0019	0.8	3.5	4.3	< 0.2	< 1	2.1
EPA 05	N	1/12/2004	< 0.005	< 0.01	< 0.05	0.04	< 0.1	< 0.05	< 0.001	< 0.1	0.0005 D	1.1	< 1.0	1.1	< 0.2	< 1.0	2.4
EPA 05	N	4/13/2004	< 0.005	0.09	< 0.05	1.31	< 0.1	0.09	0.001	< 0.1	0.0016 D	1.5	2.5	4	< 0.2	< 1	1.9
EPA 05	N	7/20/2004	< 0.005	0.09	< 0.05	1.2	< 0.1	0.08	0.002	< 0.1	0.0015 D	2	< 1.0	2	< 0.2	< 1.0	1.9
EPA 05	N	10/12/2004	< 0.005	0.08	< 0.05	1.23	< 0.1	< 0.05	0.002	< 0.1	0.0015	1.7	1.5	3.2	< 0.2	< 1.0	1.9
EPA 05	N	1/11/2005	< 0.005	0.09	< 0.05	1.26	< 0.1	0.09	0.001	< 0.1	0.0016	1.1	1.5	2.6	< 0.2	< 1.0	4.2
EPA 05	N	4/12/2005	< 0.005	0.08	< 0.05	1.31	< 0.1	0.07	< 0.001	< 0.1	0.0013	1.3	1.6	2.9	< 0.2	< 1.0	3.3
EPA 05	N	7/19/2005	< 0.005	0.07	< 0.05	1.14	< 0.1	0.07	< 0.001	< 0.1	0.0015	1	< 1.0	1	< 0.2	< 1.0	1.9
EPA 05	N	10/11/2005	< 0.005	0.08	< 0.05	1.23	< 0.1	0.06	< 0.001	< 0.1	0.0014	1.7	1.6	3.3	< 0.2	< 1.0	4
EPA 05	N	1/17/2006	< 0.005	0.07	< 0.05	1.26	< 0.1	0.07	< 0.001	< 0.1	0.0015	1.7	1.3	3	< 0.2	< 1.0	< 1.0

TABLE C.1
Zone 1 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	As	Be	
			Elevation	pH	pH													(Chloroform)		
			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	mg/l	mg/l
NRC Standard			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA	0.05	0.05
EPA Standard			NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	NA	5	0.05	0.017
EPA 05	N	4/11/2006	6,888.84	5.83	6.70	4950	494 D	567 D	130	9.8	85	3190 D	65	8.5 D	21.2 D	< 1.0	< 0.1	< 0.001	< 0.01	
EPA 05	N	7/25/2006	6,889.04	5.84	6.40	4710	490 D	541 D	134	10.1	72	3290 D	62	8.1 D	20.5 D	< 1.0	< 0.1	< 0.001	< 0.01	
EPA 05	N	10/10/2006	6,888.64	5.95	6.43	4960	471 D	525 D	129	9.8	70	3080 D	55	8.4 D	20.4 D	< 0.5	< 0.1	< 0.001	< 0.01	
EPA 05	N	1/23/2007	6,888.32	6.00	6.33	4910	468 D	533 D	127	10	71	3100 D	60	8.6 D	18.4 D	<0.5	<0.1	<0.001	<0.01	
EPA 05	N	4/16/2007	6,888.47	5.90	6.30	4940	465 D	537 D	115	9.7	73	3280 D	63	7.9 D	16.2 D	<0.5	<0.1	<0.001	<0.01	
EPA 05	N	7/16/2007	6,888.04	5.99	6.30	4780	600 D	663 D	116	8.4	110	3820 D	51	9.7 D	20.4 D	<0.5	<0.1	0.002	<0.01	
EPA 05	N	10/2/2007	6,888.03	5.93	6.34	4880	431 D	478 D	119 D	10.2	65	2960 D	69 D	8.2 D	18.4 D	<0.5	<0.1	<0.001	<0.01	
EPA 05	N	1/21/2008	6,887.99	5.95	6.65 H	4710	462 D	497 D	97.1	9.9	72	3050 D	59 D	5.2 D	18.9 D	< 0.5	< 0.1	< 0.001	< 0.01	
EPA 05	N	4/14/2008	6,887.59	5.72	6.16	4620	498	536	118 D	8.9	101	3240 D	48	10.4 D	19.8	< 0.5	< 0.1	0.001	< 0.01	
EPA 05	N	7/14/2008	6,887.49	6.02	6.28	4530	486	514	115 D	8	95	3480 D	48	10.3 D	17.9	< 0.5	< 0.1	< 0.003	< 0.01	
EPA 05	N	10/13/2008	6,887.34	5.92	6.36	4960 H	470	506	118 D	8	66	3360 D	46	10.2	16.1	< 0.5	< 0.1	< 0.001	< 0.01	
EPA 05	N	1/19/2009	6,886.99	6	6.46	4990 H	451	485	116	8	84	3170 D	45	8.1 D	12.4	<0.5	<0.1	<0.001	<0.01	
EPA 05	N	4/13/2009	6,887.14	5.78	5.64	4940	463 D	499	118 D	11	49	3250 D	42	7.9 D	16.1 D	<0.50	<0.1	<0.001	<0.01	
EPA 05	N	7/13/2009	6,886.94	5.84	6.31 H	4740 H	474	495	111	8	67	3520 D	50	6.1 D	15.3	<0.50	<0.1	<0.001	<0.01	
EPA 05	N	10/12/2009	6,886.94	5.94	6.54	4850	469	488	115	8	65	3170 D	48	11.0 D	12.4	<0.50	<0.1	<0.001	<0.01	
EPA 05	N	1/11/2010	6,886.54	6.01	6.31	4810 D	468 D	492	115 D	9	67	3300 D	42	11.1 D	13 D	<0.50	<0.1	<0.001	<0.01	
EPA 05	N	4/12/2010	6,886.69	6.03	6.09	4840 D	467	496	119	8	92	3470 D	46	12.3 D	10.7 D	<0.50	<0.1	<0.001	<0.01	
EPA 05	N	7/19/2010	6,886.44	5.85	6.14	4890 D	472	514	112	7	59	3240 D	40 D	10.8 D	10 D	<0.50	<0.1	<0.001	<0.01	
EPA 05	N	10/11/2010	6,886.59	5.94	7.09	3720 D	465	480	119	8	74	3460 D	37 D	10.5 D	10 D	<0.50	<0.1	<0.001	<0.01	
EPA 05	N	1/10/2011	6,886.54	5.94	6.26	4770 D	452	480	106	7	52	3200 D	42 D	8.0 D	9 D	0.62	<0.1	<0.001	<0.01	
EPA 05	N	4/11/2011	6,886.12	5.94	6.12	4780 D	476	498	122	7	69	3190 D	41 D	6.9 D	9 D	0.53	<0.1	0.003	<0.01	
EPA 05	N	7/18/2011	6,885.99	5.94	7.25	4680 D	469	486	112	7	62	3160 D	40 D	6.7 D	7.2 D	<0.50	0.3	<0.001	<0.01	
EPA 05	N	10/10/2011	6,886.12	5.95	6.43	4670 D	476	493	115	7	65	3280 D	40 D	3.8 D	6.9 D	<0.50	<0.1	0.012	<0.01	
EPA 07	N	7/26/1989	6,907.80	4.40	4.01	7774	526	871	212	9.1	0	5092	134	3.45	94	< 1	94	< 0.001	< 0.05	
EPA 07	N	10/5/1989	6,908.00	4.20	4.26	8076	497	877	221	12	0	5272	192	3.41	69	< 1	99	< 0.001	< 0.05	
EPA 07	N	1/16/1990	6,908.00	4.20	4.22	8190	449	915	226	9.09	< 1	5108	174	3.46	88	< 1	96	< 0.001	< 0.05	
EPA 07	N	4/17/1990	6,907.70	4.20	4.30	9172	453	1100	226	8.7	< 1	5392	182	3.95	96	< 1	100	< 0.001	< 0.05	
EPA 07	N	7/17/1990	6,907.10	4.40	4.35	9566	496	1009	230	10	0.1	5739	176	1.9	84	< 1	80.1	< 0.001	< 0.05	
EPA 07	N	10/9/1990	no data	4.40	4.63	8003	449	928	241	10.5	10	5204	169	1.17	36.2	< 1	39.1	< 0.001	< 0.05	
EPA 07	N	1/3/1991	no data	4.60	4.68	7145	475	829	262	24.4	6.1	4572	117	1.67	29.3	< 1	18	< 0.001	< 0.01	
EPA 07	N	4/17/1991	no data	5.00	5.37	6918	454	757	252	12.4	15	4676	117	1.3	40.5	< 1	6.15	< 0.001	< 0.01	
EPA 07	N	7/11/1991	no data	5.00	5.80	6957	386	759	230	10.1	39	4506	99.7	1.01	28.1	< 1	0.18	< 0.001	< 0.01	
EPA 07	N	9/4/1991	no data	no data	5.58	7322	439	672	245	22.5	37	4415	107	1.2	17	< 1	1.21	< 0.001	< 0.01	
EPA 07	N	10/17/1991	no data	5.20	5.69	6827	473	712	257	12.6	39.3	4296	111	1.25	25	< 1	1.15	0.001	< 0.01	
EPA 07	N	11/4/1991	no data	no data	5.65	6986	445	610	238	10	38.8	4271	116	1.2	23.6	< 1	1.93	< 0.001	< 0.01	
EPA 07	N	12/2/1991	no data	no data	5.84	6860	439	608	246	10.4	55.6	3834	114	1.31	54.7	< 1	2.29	< 0.001	< 0.01	
EPA 07	N	1/16/1992	no data	5.10	6.31	6893	397	769	235	10	43.8	4409	113	1.5	29.8	< 1	1.91	< 0.001	< 0.01	
EPA 07	N	4/13/1992	no data	5.20	6.25	6768	409	568	263	11.6	68.6	4167	116	1.1	25.1	< 1	0.6	< 0.001	< 0.01	

TABLE C.1
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Location ID	Desc	Sample Date	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	pci/l	pci/l	pci/l	pci/l	pci/l
NRC Standard			0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	9.4	5	1	15
EPA Standard			0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 05	N	4/11/2006	< 0.005	0.06	< 0.05	1.09	< 0.1	0.06	< 0.001	< 0.1	0.0022	1.5	4.2	5.7	< 0.2	< 1.0	1.1
EPA 05	N	7/25/2006	< 0.005	0.06	< 0.05	1.03	< 0.1	< 0.05	< 0.001	< 0.1	0.0016	1.2	4	5.2	< 0.2	< 1.0	2
EPA 05	N	10/10/2006	< 0.005	0.06	< 0.05	1.16	< 0.1	0.06	0.001	< 0.1	0.0012	1.2	2.2	3.4	< 0.2	< 1	2.2
EPA 05	N	1/23/2007	< 0.005	0.06	< 0.05	1.19	< 0.1	0.05	< 0.001	< 0.1	0.0013 D	1.2	< 1	1.2	< 0.2	< 1	4.1
EPA 05	N	4/16/2007	< 0.005	0.06	< 0.05	1.2	< 0.1	0.05	< 0.001	< 0.1	0.0014	0.8	< 1	0.8	< 0.2	< 1	1.7
EPA 05	N	7/16/2007	< 0.005	0.05	< 0.05	0.95	< 0.1	< 0.05	< 0.001	< 0.1	0.0014	1.5	1.5	3	< 0.2	< 1	1.2
EPA 05	N	10/2/2007	< 0.005	0.05	< 0.05	1.15	< 0.1	< 0.05	< 0.001	< 0.1	0.0015	1.3	< 1	1.3	< 0.2	< 1	2.6
EPA 05	N	1/21/2008	< 0.005	0.04	< 0.05	0.98	< 0.1	< 0.05	< 0.001	< 0.1	0.0014	1.8	< 1	1.8	< 0.2	< 1	2.3
EPA 05	N	4/14/2008	< 0.005	0.04	< 0.05	1.08	< 0.1	< 0.05	< 0.001	< 0.1	0.0015	1.3	2.5	3.8	0.7	-6.3 U	2.9
EPA 05	N	7/14/2008	< 0.005	0.04	< 0.05	1.15	< 0.1	< 0.05	< 0.001	< 0.1	0.0013 D	1.8	3.4	5.2	0 U	3.3 U	1.3
EPA 05	N	10/13/2008	< 0.005	0.04	< 0.05	1.09	< 0.1	< 0.05	< 0.001	< 0.1	0.0014	1.5	2.6	4.1	0.2	-2 U	1.9
EPA 05	N	1/19/2009	< 0.005	0.04	< 0.05	1.12	< 0.1	< 0.05	0.001	< 0.1	0.0011	0.5	3	3.5	-0.1 U	0.2 U	2.8
EPA 05	N	4/13/2009	< 0.005	0.04	< 0.05	1.14	< 0.1	< 0.05	< 0.001	< 0.1	0.0013	1.6	2.3	3.9	-0.04 U	1.0 U	1.9
EPA 05	N	7/13/2009	< 0.005	0.04	< 0.05	1.24	< 0.1	< 0.05	0.001	< 0.1	0.0015	1.6	2.6	4.2	0.1 U	0.4 U	3.2
EPA 05	N	10/12/2009	< 0.005	0.04	< 0.05	1.21	< 0.1	< 0.05	< 0.001	< 0.1	0.0015	1.7	3.3	5	0.04 U	0.4 U	2.3
EPA 05	N	1/11/2010	< 0.005	0.04	< 0.05	1.11	< 0.1	< 0.05	< 0.001	< 0.1	0.0014	1.7	2.7	4.4	0.04 U	0.2 U	1.6
EPA 05	N	4/12/2010	< 0.005	0.04	< 0.05	1.18	< 0.1	< 0.05	< 0.001	< 0.1	0.0012	1.8	3.5	5.3	0.01 U	-1 U	2.9
EPA 05	N	7/19/2010	< 0.005	0.04	< 0.05	1.17	< 0.1	< 0.05	< 0.001	< 0.1	0.0014	1.9	2.4	4.3	0.006 U	-0.3 U	3.6
EPA 05	N	10/11/2010	< 0.005	0.04	< 0.05	1.15	< 0.1	< 0.05	< 0.001	< 0.1	0.0014	2	3.6	5.6	0.08 U	-1 U	2.7
EPA 05	N	1/10/2011	< 0.005	0.04	< 0.05	1.24	< 0.1	< 0.05	< 0.001	< 0.1	0.0009	1.9	2.9	4.8	0.009 U	1.2 U	4.6
EPA 05	N	4/11/2011	< 0.005	0.04	< 0.05	1.27	< 0.1	< 0.05	< 0.001	< 0.1	0.0009	1.6	3	4.6	0.08 U	1.6	2.3
EPA 05	N	7/18/2011	< 0.005	0.03	< 0.05	1.2	< 0.1	< 0.05	< 0.001	< 0.1	0.0019	1.8	3.6	5.4	0.05 U	-0.3 U	2.2
EPA 05	N	10/10/2011	< 0.005	0.03	< 0.05	1.19	< 0.1	< 0.05	< 0.001	< 0.1	0.0007	2	2.6	4.6	0.07 U	0.4 U	2.1
EPA 07	N	7/26/1989	< 0.01	0.25	< 0.05	24	< 0.1	0.27	< 0.001	< 0.1	0.008	4.8	1.3	6.1	6	< 1	9
EPA 07	N	10/5/1989	< 0.01	0.26	0.09	25	< 0.01	0.29	0.002	< 0.1	0.012	2	3.3	5.3	0.8	< 1	2.5
EPA 07	N	1/16/1990	< 0.01	0.34	< 0.05	27	< 0.1	0.35	0.002	< 0.1	0.008	1.5	5.4	6.9	< 0.2	< 1	1.5
EPA 07	N	4/17/1990	< 0.01	0.36	< 0.05	42	< 0.1	0.44	< 0.001	< 0.1	0.006	2.7	5.8	8.5	< 0.2	< 1	2.8
EPA 07	N	7/17/1990	< 0.01	0.3	< 0.05	42.3	< 0.1	0.45	< 0.001	< 0.1	0.0155	0.6	5.2	5.8	< 0.2	< 1	< 1
EPA 07	N	10/9/1990	0.01	0.46	< 0.05	26.9	< 0.1	0.48	< 0.001	< 0.1	0.0052	3.3	4	7.3	< 0.2	< 1	4
EPA 07	N	1/3/1991	< 0.01	0.25	< 0.05	17.6	< 0.1	0.3	0.001	< 0.1	0.0081	7.7	8.6	16.3	< 0.2	< 1	8
EPA 07	N	4/17/1991	< 0.01	0.12	< 0.05	13.28	< 0.1	0.18	< 0.001	< 0.1	0.002	2.6	10.4	13	< 0.2	1.7	2
EPA 07	N	7/11/1991	< 0.01	0.12	< 0.05	12.51	< 0.1	0.16	0.017	< 0.1	0.0038	3.2	8.9	12.1	< 0.2	< 1	3
EPA 07	N	9/4/1991	< 0.01	0.15	< 0.05	12.1	< 0.1	0.17	< 0.001	< 0.1	0.0015	2	3.7	5.7	< 0.2	< 1	2
EPA 07	N	10/17/1991	< 0.01	0.15	< 0.05	13.51	< 0.1	0.16	0.001	< 0.1	0.0009	2.1	7.2	9.3	< 0.2	< 1	2
EPA 07	N	11/4/1991	< 0.01	0.15	< 0.05	15.6	< 0.1	0.21	< 0.001	< 0.1	0.0059	2.1	8.8	10.9	< 0.2	< 1	2
EPA 07	N	12/2/1991	< 0.01	0.12	< 0.05	13.2	< 0.1	0.19	< 0.001	< 0.1	0.002	3.5	13.1	16.6	< 0.2	< 1	4
EPA 07	N	1/16/1992	< 0.01	0.13	< 0.05	13.6	< 0.1	0.19	0.018	< 0.1	0.005	2.6	6.6	9.2	< 0.2	< 1	3
EPA 07	N	4/13/1992	< 0.01	0.13	< 0.05	13.3	< 0.1	0.16	0.014	< 0.1	0.001	2.4	7.4	9.8	< 0.2	< 1	2.4

TABLE C.1
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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	As	Be
			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	mg/l	mg/l
		NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA	0.05	0.05
		EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
EPA 07	N	7/15/1992	no data	5.50	6.37	6446	390	628	287	11.4	95	4088	94.4	0.6	30.6	< 1	0.72	< 0.001	< 0.01
EPA 07	N	10/7/1992	no data	5.60	6.14	6406	449	654	333	15.2	112	4150	90.8	0.85	15.3	< 1	0.8	< 0.001	< 0.01
EPA 07	N	1/7/1993	no data	5.60	6.79	5654	469	640	281	11.8	134	3675	98.4	0.92	45.6	< 1	0.6	< 0.001	< 0.01
EPA 07	N	4/7/1993	no data	5.60	6.32	5787	409	639	293	9.2	108	4101	115	0.78	35.9	< 1	1.4	0.001	< 0.01
EPA 07	N	7/14/1993	no data	5.70	6.08	6729	495	696	270	9.7	144	4208	65.9	0.84	27.8	< 1	0.53	< 0.001	< 0.01
EPA 07	N	10/7/1993	no data	5.60	6.07	5989	460	678	250	9.6	142	4049	106	0.75	41.4	< 1	0.62	< 0.001	< 0.01
EPA 07	N	1/6/1994	no data	5.70	6.27	6870	454	646	277	9.2	135	4312	126	0.87	39.6	< 1	0.84	< 0.001	< 0.01
EPA 07	N	4/12/1994	no data	5.80	6.33	6573	443	669	257	9.5	140	4378	121	1.88	35.7	< 1	0.63	< 0.001	< 0.01
EPA 07	N	7/26/1994	no data	5.90	6.87	6463	511	689	289	10.1	139	4144	120	0.88	37.4	< 1	0.59	< 0.001	< 0.01
EPA 07	N	10/4/1994	no data	5.80	7.16	7011	559	822	299	10.3	160	4647	141	2.94	46.2	< 1	0.74	< 0.001	< 0.01
EPA 07	N	1/11/1995	6,903.70	5.80	6.45	8136	540	900	353	9.4	326	4737	215	1.37	131	1.04	0.5	< 0.001	< 0.01
EPA 07	N	4/11/1995	6,904.40	5.90	6.35	7549	510	798	370	7.2	397	4566	244	1.27	139	1.08	0.41	< 0.001	< 0.01
EPA 07	N	7/11/1995	6,903.90	6.00	6.96	7971	475	931	346	6.9	426	4475	235	1.25	145	< 1	< 0.1	< 0.001	< 0.01
EPA 07	N	10/10/1995	6,904.10	6.00	7.50	7558	507	916	371	7.7	403	4368	200	1.12	137	< 1	0.22	0.002	< 0.01
EPA 07	N	1/9/1996	6,903.90	6.10	7.36	7349	474	894	352	7.6	438	4400	200	1.03	141	1.05	0.17	0.003	< 0.01
EPA 07	N	4/10/1996	6,903.80	6.30	7.26	8204	552	1040	349	7.4	428	5070	214	1.07	147	< 1	0.22	< 0.001	< 0.01
EPA 07	N	7/17/1996	6,903.60	6.20	6.36	8403	483	923	344	7.9	392	4529	222	0.72	156	1.56	0.25	< 0.001	< 0.01
EPA 07	N	10/8/1996	6,903.40	6.10	6.97	8440	534	1018	346	7.9	400	4920	206	1.2	142	5.02	0.27	< 0.001	< 0.01
EPA 07	N	1/28/1997	6,903.30	6.20	7.61	8280	485	1041	308	7.6	389	4555	239	1.21	137	1.23	0.27	< 0.001	< 0.01
EPA 07	N	4/15/1997	6,903.10	6.10	7.26	8440	504	999	338	8.3	386	4820	215	1.27	132	< 1	0.38	< 0.001	< 0.01
EPA 07	N	7/15/1997	6,902.80	5.90	7.15	8390	437	984	318	8.2	372	4780	209	1.28	137	1.2	0.19	< 0.001	< 0.01
EPA 07	N	10/15/1997	6,902.50	5.90	7.64	8410	528	1000	314	7.5	349	5010	238	1.49	130	< 1	0.25	< 0.001	< 0.01
EPA 07	N	1/20/1998	6,903.90	5.90	7.48	8340	534	947	335	9.6	340	5100	217	1.89	139	1.1	0.8	< 0.001	< 0.01
EPA 07	N	4/14/1998	6,902.60	6.00	6.75	8310	514	969	337	8	333	4870	184	1.32	138	1.2	0.48	< 0.001	< 0.01
EPA 07	N	7/14/1998	6,902.20	6.10	7.30	8460	486	942	322	8.3	342	4300	186	1.37	133	1.2	0.18	< 0.001	< 0.01
EPA 07	N	10/13/1998	no data	6.10	8.09	8150	481	951	327	8.4	325	4730	183	1.58	139	1.3	0.24	< 0.001	< 0.01
EPA 07	N	1/12/1999	6,903.00	6.00	7.70	8180	424	900	294	8.6	345	4750	189	1.31	137	< 1	0.13	< 0.001	< 0.01
EPA 07	N	4/13/1999	6,903.00	6.00	7.26	8020	468	926	308	7.9	355	4320	186	1.31	140	< 1	0.29	< 0.001	< 0.01
EPA 07	N	7/20/1999	6,903.06	6.06	7.20	8120	491	880	307	9.5	361	4500	166	1.11	130	< 1	< 0.1	< 0.001	< 0.01
EPA 07	N	10/12/1999	6,903.20	6.01	7.50	7940	476	903	300	8.4	366	4370	187	1.15	134	1.4	0.18	< 0.001	< 0.01
EPA 07	N	1/11/2000	6,902.80	6.10	7.73	7890	439	846	284	8.9	367	4000	171	0.9	122	1.3	0.29	< 0.001	< 0.01
EPA 07	N	5/3/2000	6,902.50	5.90	7.28	7750	430	827	306	10.6	362	3870	168	0.99	138	1.2	2.9	< 0.001	< 0.01
EPA 07	N	7/11/2000	6,902.20	5.80	7.28	7630	488	897	321	7.54	399	4160	167	0.75	150	1.9	3.57	< 0.001	< 0.01
EPA 07	N	10/3/2000	6,902.30	5.88	6.66	7540	474	889	309	8.7	444	3970	169	0.55	135	1.1	4.37	< 0.001	< 0.01
EPA 07	N	1/9/2001	6,902.40	6.06	6.83	7580	468	845	277	7.7	453	4040	180	0.72	124	< 1	4.61	< 0.001	< 0.01
EPA 07	N	4/3/2001	6,902.05	6.10	7.14	7590	551	964	294	7.1	456	4410	177	0.71	133	2.3	2.81	< 0.001	< 0.01
EPA 07	N	7/17/2001	6,901.70	6.33	6.68	7670	451	838	284	8.3	498	3660	233	0.64	130	1.8	2.6	< 0.001	< 0.01
EPA 07	N	10/9/2001	6,901.75	5.90	6.60	7670	450	820	285	8.7	515	3800	216	0.56	132	< 1	1.77	< 0.001	< 0.01

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

Location ID	Desc	Sample Date	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	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
NRC Standard			0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	9.4	5	1	15
EPA Standard			0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 07	N	7/15/1992	< 0.01	0.1	< 0.05	10.5	< 0.1	0.13	< 0.001	< 0.1	0.003	2.6	12.2	14.8	< 0.2	< 1	3
EPA 07	N	10/7/1992	< 0.01	0.1	< 0.05	11	< 0.1	0.15	< 0.001	< 0.1	< 0.0003	2.2	7.9	10.1	< 0.2	< 1	2.6
EPA 07	N	1/7/1993	< 0.01	0.12	< 0.05	11.3	< 0.1	0.21	< 0.01	< 0.1	0.007	2	7.2	9.2	< 0.2	< 1	2.1
EPA 07	N	4/7/1993	< 0.01	0.17	< 0.05	11.6	< 0.1	0.17	< 0.001	< 0.1	< 0.0003	1.3	9	10.3	< 0.2	1.3	1.5
EPA 07	N	7/14/1993	< 0.01	0.13	< 0.05	10.2	< 0.1	0.19	0.002	< 0.1	< 0.0003	2.1	5.9	8	< 0.2	< 1	2.8
EPA 07	N	10/7/1993	< 0.01	0.12	< 0.05	7.99	< 0.1	0.21	< 0.001	< 0.1	0.006	1.5	7.7	9.2	< 0.2	1.8	13
EPA 07	N	1/6/1994	< 0.01	0.13	< 0.05	9.79	< 0.1	0.22	< 0.001	< 0.1	< 0.0003	3.1	< 1	3.1	< 0.2	1.7	4.1
EPA 07	N	4/12/1994	< 0.01	0.12	< 0.05	9.59	< 0.1	0.21	< 0.001	< 0.1	0.001	2.8	3.5	6.3	< 0.2	< 1	8.2
EPA 07	N	7/26/1994	< 0.01	0.16	< 0.05	9.72	< 0.1	0.21	0.003	< 0.1	0.002	2.2	1.5	3.7	< 0.2	< 1	4.6
EPA 07	N	10/4/1994	< 0.01	0.1	< 0.05	8.52	< 0.1	0.15	< 0.001	< 0.1	0.003	3.1	4.5	7.6	< 0.2	< 1	9.8
EPA 07	N	1/11/1995	< 0.01	0.06	< 0.05	4.44	< 0.1	0.1	< 0.001	< 0.1	0.001	1.6	6.2	7.8	< 0.2	4.8	11.1
EPA 07	N	4/11/1995	< 0.01	< 0.01	< 0.05	3.81	< 0.1	< 0.05	< 0.001	< 0.1	0.001	1.9	4.7	6.6	< 0.2	< 1	9
EPA 07	N	7/11/1995	< 0.01	< 0.01	< 0.05	4.02	< 0.1	< 0.05	< 0.001	< 0.1	0.002	3	< 1	3	0.5	14.9	16.3
EPA 07	N	10/10/1995	< 0.01	0.04	< 0.05	4.84	< 0.1	< 0.05	0.04	< 0.1	0.0023	2.3	6.7	9	< 0.2	< 1	5.4
EPA 07	N	1/9/1996	< 0.01	0.04	< 0.05	5.35	< 0.1	< 0.05	0.067	< 0.1	0.0038	3.4	1.3	4.7	< 0.2	< 1	2.4
EPA 07	N	4/10/1996	< 0.01	0.06	< 0.05	6.6	< 0.1	< 0.05	< 0.001	< 0.1	0.0024	0.9	2.4	3.3	0.8	< 1	3.1
EPA 07	N	7/17/1996	< 0.01	0.08	< 0.05	9.71	< 0.1	0.08	< 0.001	< 0.1	0.0032	1.2	< 1	1.2	< 0.2	< 1	4.3
EPA 07	N	10/8/1996	< 0.01	0.08	< 0.05	10.5	< 0.1	0.09	< 0.001	< 0.1	0.0003	1.3	< 1	1.3	< 0.2	< 1	< 1
EPA 07	N	1/28/1997	< 0.01	0.07	< 0.05	11.2	< 0.1	0.09	< 0.001	< 0.1	0.0003	2.3	< 1	2.3	< 0.2	7.9	2
EPA 07	N	4/15/1997	< 0.01	0.09	< 0.05	12.4	< 0.1	0.12	0.06	< 0.1	0.001	1	1.8	2.8	< 0.2	< 1	< 1
EPA 07	N	7/15/1997	< 0.01	< 0.01	< 0.05	12.5	< 0.1	0.11	< 0.001	< 0.1	0.001	1.1	3.4	4.5	< 0.2	< 1	< 1
EPA 07	N	10/15/1997	< 0.01	0.13	< 0.05	15.2	< 0.1	0.13	< 0.001	< 0.1	0.002	< 0.2	< 1	0	< 0.2	< 1	< 1
EPA 07	N	1/20/1998	< 0.005	0.14	< 0.05	17.6	< 0.1	0.16	< 0.001	< 0.1	0.0021	1	< 1	1	< 0.2	< 1	< 1
EPA 07	N	4/14/1998	< 0.005	0.1	< 0.05	12.5	< 0.1	0.1	< 0.001	< 0.1	0.002	1.5	< 1	1.5	< 0.2	< 1	< 1
EPA 07	N	7/14/1998	< 0.005	0.1	< 0.05	15.1	< 0.1	0.12	< 0.001	< 0.1	0.0023	1.1	2.1	3.2	< 0.2	< 1	< 1
EPA 07	N	10/13/1998	< 0.005	0.1	< 0.05	13.4	< 0.1	0.14	< 0.001	< 0.1	0.0019	1.7	1.8	3.5	< 0.2	4.9	4.9
EPA 07	N	1/12/1999	0.007	0.09	< 0.05	12.6	< 0.1	0.08	< 0.001	< 0.1	0.011	3.2	3.7	6.9	< 0.2	< 1	< 1
EPA 07	N	4/13/1999	< 0.005	0.09	< 0.05	12.5	< 0.1	0.11	< 0.001	< 0.1	0.0017	1.2	2.1	3.3	< 0.2	3.8	3.8
EPA 07	N	7/20/1999	< 0.005	0.1	< 0.05	9.3	< 0.1	< 0.05	< 0.001	< 0.1	0.0019	3	< 1	3	< 0.2	5.2	5.2
EPA 07	N	10/12/1999	< 0.005	0.07	< 0.05	11.8	< 0.1	0.08	< 0.001	< 0.1	0.0009	< 0.2	3.3	3.3	< 0.2	< 1	1.1
EPA 07	N	1/11/2000	< 0.005	0.08	< 0.05	9.94	< 0.1	0.13	< 0.001	< 0.1	0.0021	1.2	< 1	1.2	< 0.2	< 1	2.3
EPA 07	N	5/3/2000	< 0.005	0.08	< 0.05	11.4	< 0.1	0.1	< 0.001	< 0.1	0.0032	1.5	1.6	3.1	< 0.2	< 1	2.6
EPA 07	N	7/11/2000	< 0.005	0.07	< 0.05	9.69	< 0.1	< 0.05	< 0.001	< 0.1	0.0026	1.4	3.4	4.8	< 0.2	< 1	2.8
EPA 07	N	10/3/2000	< 0.005	0.06	< 0.05	8.27	< 0.1	< 0.05	< 0.001	< 0.1	0.0024	0.8	1.8	2.6	< 0.2	< 1	1.9
EPA 07	N	1/9/2001	< 0.005	0.06	< 0.05	7.44	< 0.1	0.09	< 0.001	< 0.1	0.0021	0.9	2.9	3.8	< 0.2	< 1	< 1
EPA 07	N	4/3/2001	< 0.005	0.06	< 0.05	6.63	< 0.1	0.09	< 0.001	< 0.1	0.002	1.1	< 1	1.1	< 0.2	< 1	1.7
EPA 07	N	7/17/2001	< 0.005	0.05	< 0.05	6.92	< 0.1	0.07	< 0.001	< 0.1	0.002	1.4	< 1	1.4	< 0.2	< 1	< 1
EPA 07	N	10/9/2001	< 0.005	0.03	< 0.05	5.43	< 0.1	< 0.05	< 0.001	< 0.1	0.0015	1	< 1	1	< 0.2	< 1	< 1

TABLE C.1
Zone 1 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	As	Be
			Elevation	pH	pH									as N	as N	(Chloroform)			
			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	mg/l	mg/l
NRC Standard			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA	0.05	0.05
EPA Standard			NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
EPA 07	N	1/14/2002	6,901.75	6.09	6.60	7670	541	923	275	9.3	526	4050	217	0.49	121	1.7	2.3	< 0.001	< 0.01
EPA 07	N	4/9/2002	6,901.36	6.01	6.85	7720	465	821	304	7.8	537	3950	192	0.6	124	< 1	1.5	< 0.001	< 0.01
EPA 07	N	7/16/2002	6,901.25	6.22	7.17	7720	465	841	303	9.6	542	3950	208	0.7	131	< 1	1.3	< 0.001	< 0.01
EPA 07	N	10/15/2002	6,901.17	6.67	7.13	6430	531	932	316	7.9	544	4420	180	0.64	141	< 1	1.7	< 0.001	< 0.01
EPA 07	N	1/14/2003	6,901.09	7.23	7.03	7630	435	792	404	12.3	545	3620	170	0.99	128	< 1	1.6	< 0.001	< 0.01
EPA 07	N	4/14/2003	6,900.86	6.19	6.76	7520	476	892	325	12.5	542	4110	196	0.68	132	< 1	1.7	< 0.001	< 0.01
EPA 07	N	7/9/2003	6,900.68	6.61	7.09	6030	491	863	294	9.2	547	4150	178	0.74	125	1.3	0.9	< 0.001	< 0.01
EPA 07	N	10/14/2003	6,900.61	5.87	6.90	7660	548	933	314	7.8	551	4270	196	0.52	131	1.3	0.8	< 0.001	< 0.01
EPA 07	N	1/12/2004	6,900.43	6.01	7.37	7710	535	952	325	8.8	532	4370	202	0.57	129 D	< 1.0	0.9	< 0.001	< 0.01
EPA 07	N	4/13/2004	6,900.39	5.76	6.21	7670	486	862	312	8.6	550	4270	223	0.64	126 D	< 1	0.8	< 0.001	< 0.01
EPA 07	N	7/20/2004	6,900.08	6.01	6.18	7880	526 D	880 D	338	7.5	539	4140 D	190	0.57	122 D	< 1.0	0.6	< 0.001	< 0.01
EPA 07	N	10/12/2004	6,900.09	6.03	6.56	8030	486 D	890 D	301	7.6	529	4020 D	195	0.48	139 D	< 1.0	0.6	< 0.001	< 0.01
EPA 07	N	1/11/2005	6,900.32	5.99	6.57	7800	527 D	920 D	324	8	545	4260 D	197	0.32	110 D	< 1.0	0.5	< 0.001	< 0.01
EPA 07	N	4/12/2005	6,899.87	6.02	6.46	7650	520	906	344	7.8	530	4320	206	0.36	119	< 1.0	0.4	< 0.001	< 0.01
EPA 07	N	7/19/2005	6,899.62	5.68	6.76	7920	497 D	884 D	332	7.4	542	3960 D	184	0.41	122 D	< 1.0	0.3	< 0.001	< 0.01
EPA 07	N	10/11/2005	6,899.66	6.03	6.78	7790	494 D	896 D	333	8	564	4100 D	203	0.54	125 D	< 1.0	0.3	< 0.001	< 0.01
EPA 07	N	1/17/2006	6,899.29	6.15	6.98	7580	497 D	916 D	311	7.9	561	4080 D	196	0.44	141 D	< 1.0	0.3	< 0.001	< 0.01
EPA 07	N	4/11/2006	6,899.29	6.03	6.75	7730	508 D	881 D	332	7.7	580	4150 D	212	0.3	138 D	< 1.0	0.2	< 0.001	< 0.01
EPA 07	N	7/25/2006	6,899.12	5.96	6.62	7480	513 D	914 D	361	8.5	564	4340 D	213	0.37	138 D	< 1.0	0.3	< 0.001	< 0.01
EPA 07	N	10/10/2006	6,899.06	6.05	6.44	7550	505 D	917 D	345	8.4	588	4090 D	188	0.39	134 D	< 0.5	0.2	< 0.001	< 0.01
EPA 07	N	1/23/2007	6,898.84	6.13	6.46	7460	490 D	916 D	344	9.2	561	4180 D	200	0.25	138 D	< 0.5	0.3	< 0.001	< 0.01
EPA 07	N	4/16/2007	6,898.96	6.03	6.60	7860	502 D	961 D	317	9.2	583	4580 D	212	0.22	125 D	< 0.5	< 0.1	< 0.001	< 0.01
EPA 07	N	7/16/2007	6,898.16	5.94	6.42	7680	511 D	938 D	336	7.8	590	4360 D	195	0.37	146 D	< 0.5	0.2	0.003	< 0.01
EPA 07	N	10/8/2007	6,898.26	6.19	6.70	7820	489 D	898 D	334	7.8	598	4130 D	200	0.15	127 D	< 0.5	0.5	< 0.001	< 0.01
EPA 07	N	1/21/2008	6,898.51	6.15	6.53	7690	500 D	915 D	368	9.2	608	4190 D	221 D	0.19	127 D	0.6	1.3	< 0.001	< 0.01
EPA 07	N	4/14/2008	6,898.01	5.81	6.43	7280	520 D	987 D	364 D	7.8	596	4760 D	208	0.08	200 D	0.76	0.4	0.001	< 0.01
EPA 07	N	7/14/2008	6,897.96	6.13	6.37	7830	466	885	343 D	8	619	4700 D	222	< 0.05	193 D	0.57	0.5	< 0.003	< 0.01
EPA 07	N	10/13/2008	6,897.84	6.08	6.24	8010 H	543	1050	393 D	8	611	4800 D	201	0.2	174 D	0.6	0.3	< 0.001	< 0.01
EPA 07	N	1/19/2009	6,897.56	5.95	6.75	8360 H	479	952	360	8	607	4710 D	202	< 0.05	164 D	0.82	0.2	< 0.001	< 0.01
EPA 07	N	4/13/2009	6,897.56	5.96	6.22	8060	487 D	971	384 D	10	632	4740 D	208	0.15	123 D	0.64	0.2	< 0.001	< 0.01
EPA 07	N	7/13/2009	6,897.46	5.83	6.68 H	8380 H	506 D	1020	368 D	8	621	4980 D	124	0.18	122 D	< 0.50	0.2	< 0.001	< 0.01
EPA 07	N	10/12/2009	6,897.51	6	6.77	8750 H	486 D	1050	366 D	8	647	4300 D	208	0.14	127 D	0.65	0.4	< 0.001	< 0.01
EPA 07	N	1/11/2010	6,897.11	5.95	6.43	8230 D	517 D	1100	396 D	9	651	4980 D	210	< 0.05	130 D	< 0.50	0.4	< 0.001	< 0.01
EPA 07	N	4/12/2010	6,897.11	6.07	6.35	8520 D	496 D	1070	372 D	9	680	5260 D	213	0.15	123 D	< 0.50	0.3	< 0.001	< 0.01
EPA 07	N	7/19/2010	6,897.01	5.88	6.55	8780 D	499 D	1110	365 D	8	663	5050 D	208 D	0.45	118 D	0.62	0.6	< 0.001	< 0.01
EPA 07	N	10/11/2010	6,897.16	6	7.53	7610 D	509 D	1040	396 D	9	665	5220 D	197 D	0.19	115 D	0.76	0.4	< 0.001	< 0.01
EPA 07	N	1/10/2011	6,897.12	6.09	7.6	8260 D	489 D	1020	370 D	9	624	4860 D	214 D	0.25	107 D	0.65	0.3	< 0.001	< 0.01
EPA 07	N	4/11/2011	6,896.71	6.07	6.51	8340 D	499	1030	399 D	9	623	4900 D	215 D	0.2	129 D	0.61	0.2	< 0.001	< 0.01

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

Location ID	Desc	Sample Date	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	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
NRC Standard			0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	9.4	5	1	15
EPA Standard			0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 07	N	1/14/2002	< 0.005	0.05	< 0.05	6.51	< 0.1	0.08	< 0.001	< 0.1	0.0022	1.1	4.4	5.5	< 0.2	< 1	1.3
EPA 07	N	4/9/2002	< 0.005	0.05	< 0.05	6.09	< 0.1	0.08	< 0.001	< 0.1	0.002	0.5	< 1	0.5	< 0.2	< 1	1.7
EPA 07	N	7/16/2002	< 0.005	0.04	< 0.05	5.32	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1	< 1	1	< 0.2	< 1	2.7
EPA 07	N	10/15/2002	< 0.005	0.04	< 0.05	5.66	< 0.1	0.07	< 0.001	< 0.1	0.0024	0.9	< 1	0.9	< 0.2	< 1	1.3
EPA 07	N	1/14/2003	< 0.005	0.04	< 0.05	4.94	< 0.1	0.06	< 0.001	< 0.1	0.0025	0.8	< 1	0.8	< 0.2	< 1	2.5
EPA 07	N	4/14/2003	< 0.005	0.04	< 0.05	4.94	< 0.1	< 0.05	< 0.001	< 0.1	0.0022	1.3	< 1	1.3	< 0.2	< 1	2.8
EPA 07	N	7/9/2003	< 0.005	0.04	< 0.05	4.64	< 0.1	< 0.05	< 0.001	< 0.1	0.0013	0.9	< 1	0.9	< 0.2	< 1	< 1.0
EPA 07	N	10/14/2003	< 0.005	0.03	< 0.05	4.62	< 0.1	< 0.05	< 0.001	< 0.1	0.0023	< 0.2	< 1	0	< 0.2	< 1	< 1.0
EPA 07	N	1/12/2004	< 0.005	0.03	< 0.05	4.57	< 0.1	< 0.05	< 0.001	< 0.1	0.0022 D	0.4	< 1.0	0.4	< 0.2	< 1.0	< 1.0
EPA 07	N	4/13/2004	< 0.005	0.03	< 0.05	3.94	< 0.1	< 0.05	< 0.001	< 0.1	0.0021 D	0.4	4.8	5.2	< 0.2	< 1	1.8
EPA 07	N	7/20/2004	< 0.005	0.03	< 0.05	3.74	< 0.1	< 0.05	0.004	< 0.1	0.0018 D	0.9	3.5	4.4	< 0.2	< 1.0	1.5
EPA 07	N	10/12/2004	< 0.005	0.03	< 0.05	3.43	< 0.1	< 0.05	0.002	< 0.1	0.0022 D	0.8	1.7	2.5	< 0.2	< 1.0	1.5
EPA 07	N	1/11/2005	< 0.005	0.03	< 0.05	3.44	< 0.1	0.05	0.001	< 0.1	0.0021 D	0.7	< 1.0	0.7	< 0.2	< 1.0	1.7
EPA 07	N	4/12/2005	< 0.005	0.03	< 0.05	3.17	< 0.1	< 0.05	< 0.001	< 0.1	0.0023	0.5	< 1.0	0.5	< 0.2	< 1.0	1.8
EPA 07	N	7/19/2005	< 0.005	0.02	< 0.05	2.71	< 0.1	< 0.05	< 0.001	< 0.1	0.0022	0.7	1.8	2.5	< 0.2	< 1.0	2.5
EPA 07	N	10/11/2005	< 0.005	0.02	< 0.05	2.8	< 0.1	< 0.05	< 0.001	< 0.1	0.0018 D	1.1	1.4	2.5	< 0.2	< 1.0	2.8
EPA 07	N	1/17/2006	< 0.005	0.02	< 0.05	2.59	< 0.1	< 0.05	< 0.001	< 0.1	0.0023	0.8	< 1.0	0.8	< 0.2	< 1.0	< 1.0
EPA 07	N	4/11/2006	< 0.005	0.02	< 0.05	2.21	< 0.1	< 0.05	0.009	< 0.1	0.0029	0.5	3.7	4.2	< 0.2	< 1.0	< 1.0
EPA 07	N	7/25/2006	< 0.005	0.02	< 0.05	2.96	< 0.1	< 0.05	< 0.001	< 0.1	0.0014	1	3.7	4.7	< 0.2	< 1.0	< 1.0
EPA 07	N	10/10/2006	< 0.005	0.02	< 0.05	2.4	< 0.1	< 0.05	< 0.001	< 0.1	0.0016 D	1.2	1.4	2.6	< 0.2	< 1	1.7
EPA 07	N	1/23/2007	< 0.005	0.02	< 0.05	2.53	< 0.1	< 0.05	< 0.001	< 0.1	0.0015 D	0.6	< 1	0.6	< 0.2	< 1	2.1
EPA 07	N	4/16/2007	< 0.005	0.02	< 0.05	2.53	< 0.1	< 0.05	< 0.001	< 0.1	0.0022 D	< 0.2	< 1	0	< 0.2	< 1	< 1
EPA 07	N	7/16/2007	< 0.005	0.02	< 0.05	1.84	< 0.1	< 0.05	< 0.001	< 0.1	0.0019	< 0.2	1.9	1.9	< 0.2	< 1	< 1
EPA 07	N	10/8/2007	< 0.005	0.02	< 0.05	1.96	< 0.1	< 0.05	< 0.001	< 0.1	0.0019	< 0.2	< 1	0	< 0.2	< 1	1.6
EPA 07	N	1/21/2008	< 0.005	0.02	< 0.05	1.74	< 0.1	< 0.05	< 0.001	< 0.1	0.0022	1.3	< 1	1.3	< 0.2	< 1	1.6
EPA 07	N	4/14/2008	< 0.005	0.02	< 0.05	1.8	< 0.1	< 0.05	< 0.001	0.2	0.0017	0.4	1 U	1.4	0.6	-6.7 U	1.9
EPA 07	N	7/14/2008	< 0.005	0.02	< 0.05	1.78	< 0.1	< 0.05	< 0.001	< 0.1	0.0017 D	0.57	1.7	2.27	0.3	5 U	0.7 U
EPA 07	N	10/13/2008	< 0.005	0.02	< 0.05	1.53	< 0.1	< 0.05	< 0.001	< 0.1	0.0019	0.22	0.66 U	0.88	-0.2 U	-2 U	1.5
EPA 07	N	1/19/2009	< 0.005	0.03	< 0.05	1.85	< 0.1	< 0.05	< 0.001	< 0.1	0.0018 D	1.3	1.1 U	2.4	0.5	-2 U	1.1
EPA 07	N	4/13/2009	< 0.005	0.03	< 0.05	1.77	< 0.1	< 0.05	< 0.001	< 0.1	0.0019	0.63	0.11 U	0.74	0.03 U	-0.3 U	1.2
EPA 07	N	7/13/2009	< 0.005	0.03	< 0.05	2.16	< 0.1	< 0.05	0.001	< 0.1	0.002	0.7	2	2.7	-0.01 U	0.5 U	1.2
EPA 07	N	10/12/2009	< 0.005	0.03	< 0.05	2.22	< 0.1	< 0.05	< 0.001	< 0.1	0.002	0.44	5	5.44	0.05 U	-0.9 U	1.1
EPA 07	N	1/11/2010	< 0.005	0.03	< 0.05	2.37	< 0.1	< 0.05	< 0.001	< 0.1	0.0019	0.39	1.7	2.09	-0.02 U	0.9 U	2.4
EPA 07	N	4/12/2010	< 0.005	0.03	< 0.05	2.58	< 0.1	< 0.05	< 0.001	< 0.1	0.0022	0.59	1.5	2.09	0.02 U	0.8 U	1.1
EPA 07	N	7/19/2010	< 0.005	0.03	< 0.05	3.02	< 0.1	< 0.05	< 0.001	< 0.1	0.0018	0.49	0.89 U	1.38	-0.03 U	-0.4 U	1.8
EPA 07	N	10/11/2010	< 0.005	0.03	< 0.05	2.82	< 0.1	< 0.05	< 0.001	< 0.1	0.0023	0.78	1.2	1.98	0.03 U	0.2 U	0.9
EPA 07	N	1/10/2011	< 0.005	0.03	< 0.05	2.83	< 0.1	< 0.05	< 0.001	< 0.1	0.0017	0.63	1.8	2.43	0.07 U	0.6 U	2.2
EPA 07	N	4/11/2011	< 0.005	0.03	< 0.05	2.77	< 0.1	< 0.05	< 0.001	< 0.1	0.0018	0.36	1.7	2.06	0.02 U	0.7 U	0.7

TABLE C.1
Zone 1 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	As	Be
			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	mg/l	mg/l
NRC Standard			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA	0.05	0.05
EPA Standard			NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
EPA 07	N	7/18/2011	6,896.51	6.07	7.52	8290 D	494	981	390 D	8	631	4690 D	213 D	0.3 D	128 D	<0.50	0.1	<0.001	<0.01
EPA 07	N	10/10/2011	6,896.66	6.01	7.49	7990 D	513	1000	382 D	9	589	4710 D	218 D	<0.2	129 D	<0.50	0.2	<0.001	<0.01
EPA 08	N	7/26/1989	6,857.40	6.80	5.89	4304	521	366	222	8.1	163	3007	35.9	0.88	0.06	< 1	< 0.1	< 0.001	< 0.05
EPA 08	N	10/5/1989	6,858.00	6.50	6.96	4454	513	379	206	9.9	169	2863	35.4	0.84	0.09	< 1	0.13	< 0.001	< 0.05
EPA 08	N	1/16/1990	6,858.50	6.50	6.40	4478	486	348	209	8.15	165	2860	33.2	0.91	0.11	< 1	< 0.1	0.001	< 0.05
EPA 08	N	4/17/1990	6,858.70	6.40	6.61	4577	496	344	210	7.9	165	2738	36.3	0.93	0.16	< 1	< 0.1	0.001	< 0.05
EPA 08	N	7/17/1990	6,858.70	6.50	6.46	4699	613	431	183	8.5	159	2893	35.7	0.54	0.06	< 1	0.14	0.002	< 0.05
EPA 08	N	10/16/1990	6,859.20	6.50	6.73	4681	509	383	189	8	148	3053	43.4	0.71	0.03	< 1	< 0.1	0.002	< 0.05
EPA 08	N	1/8/1991	6,859.40	6.50	6.50	4648	530	387	194	19	159	2959	39.4	0.86	0.04	< 1	< 0.1	< 0.001	< 0.01
EPA 08	N	4/17/1991	6,860.00	6.40	7.18	4833	543	379	198	8.1	140	3164	45.4	0.82	3.3	< 1	0.16	< 0.001	< 0.01
EPA 08	N	7/3/1991	6,859.90	6.30	6.40	4711	514	373	161	7.1	141	3242	22.1	0.86	0.06	< 1	0.6	0.002	< 0.01
EPA 08	N	10/22/1991	6,860.50	6.30	6.29	4612	497	366	182	7.6	166	2998	39.6	1.01	0.23	< 1	0.24	< 0.001	< 0.01
EPA 08	N	1/22/1992	6,860.80	6.40	6.51	4311	525	376	155	7.3	128	3014	73.4	0.88	< 0.01	< 1	< 0.1	< 0.001	< 0.01
EPA 08	N	4/2/1992	6,860.80	6.30	7.65	4704	559	394	203	8.8	165	3034	36.4	0.98	< 0.01	< 1	< 0.1	0.001	< 0.01
EPA 08	N	7/15/1992	6,860.10	6.40	6.64	4809	521	388	176	7.7	126	3120	39.6	0.58	< 0.1	< 1	< 0.1	0.002	< 0.01
EPA 08	N	10/14/1992	6,860.30	6.60	6.47	4762	536	384	159	9.4	132	3158	39.3	0.66	< 0.1	< 1	0.21	0.001	< 0.01
EPA 08	N	1/13/1993	6,860.10	6.60	6.63	4739	528	637	157	7.8	147	3159	37.7	1.08	< 0.1	< 1	0.2	< 0.001	< 0.01
EPA 08	N	4/15/1993	6,861.00	6.60	6.53	4910	479	359	183	6.6	125	3019	40.8	0.8	< 0.1	< 1	< 0.1	0.001	< 0.01
EPA 08	N	7/20/1993	6,862.80	6.60	7.10	4144	562	352	159	7.9	134	2956	39.6	0.69	< 0.1	< 1	< 0.1	0.002	< 0.01
EPA 08	N	10/12/1993	6,859.40	6.70	6.19	4366	561	370	169	7.1	117	3110	36.9	0.71	< 0.1	< 1	0.16	< 0.001	< 0.01
EPA 08	N	1/11/1994	6,861.30	6.70	6.46	4765	528	366	177	6.7	111	3197	39.4	0.74	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	N	4/20/1994	6,861.40	6.50	6.22	4532	530	368	162	6.4	116	3154	39.6	1.33	< 0.1	< 1	0.1	0.001	< 0.01
EPA 08	N	7/26/1994	6,862.60	6.50	7.13	4389	592	379	142	7.5	109	3049	38.7	0.72	< 0.1	< 1	0.12	< 0.001	< 0.01
EPA 08	N	10/11/1994	6,861.50	6.50	6.90	4809	572	425	157	7.5	119	3367	41.5	1.08	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	N	1/10/1995	6,861.70	6.40	6.62	4848	644	388	142	8.5	139	3277	42	1.31	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	N	4/6/1995	6,861.60	6.50	6.48	4867	651	345	154	7.5	108	3364	40.2	1.52	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	N	7/11/1995	6,861.80	6.90	7.05	4212	550	408	144	7.3	127	2906	42	1.29	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	N	10/10/1995	6,861.90	6.60	7.13	4348	575	411	160	7.3	127	2965	38.4	0.93	< 0.1	< 1	< 0.1	0.002	< 0.01
EPA 08	N	1/9/1996	6,862.00	6.70	7.29	4185	545	401	156	7.9	162	2863	37.6	0.68	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	N	4/10/1996	6,862.20	6.90	7.24	4857	620	444	148	7.6	149	3460	41.8	0.75	< 0.1	< 1	< 0.1	0.001	< 0.01
EPA 08	N	7/17/1996	6,862.30	6.80	6.63	4876	560	395	159	8	165	3085	37.6	0.13	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	N	10/8/1996	6,862.30	6.60	6.98	4880	603	441	157	8	148	3061	39	0.73	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	N	1/28/1997	6,862.30	6.90	7.31	4870	565	415	141	7.6	143	3130	51	0.69	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	N	4/15/1997	6,862.40	6.60	7.10	4890	604	440	160	8.2	156	3330	42	0.73	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	N	7/15/1997	6,862.20	6.60	7.11	4860	603	432	145	7.8	138	3200	45.2	0.73	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	N	10/15/1997	6,862.40	6.50	7.49	4850	617	444	147	7.6	133	3190	53.7	0.75	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	N	1/20/1998	6,863.00	6.60	7.53	4840	598	439	156	8.4	133	3400	45.3	1.12	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	N	4/14/1998	6,862.70	6.70	6.93	4850	592	431	151	7.8	159	3300	39.6	0.74	< 0.1	< 1	< 0.1	< 0.001	< 0.01

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

Location ID	Desc	Sample Date	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	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
NRC Standard			0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	9.4	5	1	15
EPA Standard			0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 07	N	7/18/2011	<0.005	0.03	<0.05	2.78	<0.1	<0.05	<0.001	<0.1	0.0016	0.31	1.1 U	1.41	0.06 U	-0.3 U	0.6
EPA 07	N	10/10/2011	<0.005	0.03	<0.05	2.66	<0.1	<0.05	<0.001	<0.1	0.0019	0.42	1.3	1.72	0.04 U	0.9 U	0.7 U
EPA 08	N	7/26/1989	< 0.01	< 0.01	< 0.05	3	< 0.1	< 0.05	< 0.001	< 0.1	0.0012	1.5	1.6	3.1	0.9	1.7	< 1
EPA 08	N	10/5/1989	< 0.01	< 0.01	< 0.05	2.9	< 0.01	< 0.05	< 0.001	< 0.1	0.004	1	< 1	1	< 0.2	2.1	1.5
EPA 08	N	1/16/1990	< 0.01	< 0.01	< 0.05	3.3	< 0.1	< 0.05	< 0.001	< 0.1	0.003	0.8	2.5	3.3	< 0.2	< 1	0.9
EPA 08	N	4/17/1990	< 0.01	< 0.01	< 0.05	3	< 0.1	< 0.05	< 0.001	< 0.1	0.003	1.4	1	2.4	< 0.2	1.7	1.9
EPA 08	N	7/17/1990	< 0.01	< 0.01	< 0.05	3.41	< 0.1	< 0.05	< 0.001	< 0.1	0.0019	0.6	< 1	0.6	< 0.2	< 1	< 1
EPA 08	N	10/16/1990	< 0.01	< 0.01	< 0.05	3.4	< 0.1	< 0.05	< 0.001	< 0.1	0.0007	0.7	2.5	3.2	< 0.2	< 1	< 1
EPA 08	N	1/8/1991	< 0.01	< 0.01	< 0.05	3.32	< 0.1	< 0.05	< 0.001	< 0.1	0.0027	2.3	1.2	3.5	< 0.2	< 1	2
EPA 08	N	4/17/1991	< 0.01	< 0.01	< 0.05	3.82	< 0.1	< 0.05	< 0.001	< 0.1	0.002	2.1	4.5	6.6	< 0.2	< 1	2
EPA 08	N	7/3/1991	< 0.01	< 0.01	< 0.05	2.93	< 0.1	< 0.05	< 0.001	< 0.1	0.0015	0.9	2	2.9	< 0.2	< 1	< 1
EPA 08	N	10/22/1991	< 0.01	0.02	< 0.05	3.22	< 0.1	< 0.05	< 0.001	< 0.1	0.0436	0.8	2	2.8	< 0.2	< 1	< 1
EPA 08	N	1/22/1992	< 0.01	< 0.01	0.05	2.88	< 0.1	< 0.05	< 0.001	< 0.1	0.001	5.4	< 1	5.4	< 0.2	1.3	5
EPA 08	N	4/2/1992	< 0.01	< 0.01	< 0.05	3.43	< 0.1	< 0.05	< 0.001	< 0.1	0.001	0.5	3.8	4.3	< 0.2	< 1	< 1
EPA 08	N	7/15/1992	< 0.01	< 0.01	< 0.05	3.17	< 0.1	< 0.05	< 0.001	< 0.1	0.003	1.2	5.6	6.8	< 0.2	< 1	1.5
EPA 08	N	10/14/1992	< 0.01	< 0.01	< 0.05	3.09	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.7	1.7	3.4	< 0.2	< 1	1.9
EPA 08	N	1/13/1993	< 0.01	< 0.01	< 0.05	3.46	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	0.4	10.7	11.1	< 0.2	< 1	< 1
EPA 08	N	4/15/1993	< 0.01	< 0.01	< 0.05	3.05	< 0.1	< 0.05	< 0.001	< 0.1	0.006	0.5	3.8	4.3	< 0.2	< 1	< 1
EPA 08	N	7/20/1993	< 0.01	< 0.01	< 0.05	2.78	< 0.1	< 0.05	< 0.001	< 0.1	< 0.003	1	3.4	4.4	< 0.2	< 1	1.4
EPA 08	N	10/12/1993	< 0.01	0.02	< 0.05	2.8	< 0.1	< 0.05	< 0.001	< 0.1	0.002	1.5	5.5	7	< 0.2	< 1	2
EPA 08	N	1/11/1994	< 0.01	< 0.01	< 0.05	3.07	< 0.1	< 0.05	< 0.001	< 0.1	0.006	1.1	5	6.1	< 0.2	< 1	9.6
EPA 08	N	4/20/1994	< 0.01	< 0.01	< 0.05	2.49	< 0.1	< 0.05	< 0.001	< 0.1	0.001	1.3	3.5	4.8	< 0.2	1.3	6.7
EPA 08	N	7/26/1994	< 0.01	< 0.01	< 0.05	3.12	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.9	3.4	5.3	< 0.2	< 1	7.2
EPA 08	N	10/11/1994	< 0.01	< 0.01	< 0.05	2.46	< 0.1	< 0.05	< 0.001	< 0.1	0.001	1.2	1.8	3	< 0.2	< 1	4.1
EPA 08	N	1/10/1995	< 0.01	< 0.01	< 0.05	2.95	< 0.1	< 0.05	< 0.001	< 0.1	0.001	2.3	2.6	4.9	< 0.2	< 1	6.4
EPA 08	N	4/6/1995	< 0.01	< 0.01	< 0.05	3.15	< 0.1	< 0.05	< 0.001	< 0.1	0.001	1.1	2.7	3.8	< 0.2	< 1	5.3
EPA 08	N	7/11/1995	< 0.01	< 0.01	< 0.05	2.92	0.27	< 0.05	< 0.001	< 0.1	0.0016	0.7	2.2	2.9	0.5	4.9	6.6
EPA 08	N	10/10/1995	< 0.01	< 0.01	< 0.05	2.99	< 0.1	< 0.05	< 0.001	< 0.1	0.0017	1.7	2.2	3.9	< 0.2	< 1	1.8
EPA 08	N	1/9/1996	< 0.01	< 0.01	< 0.05	2.8	0.13	< 0.05	< 0.001	< 0.1	0.001	1	1.5	2.5	< 0.2	3.8	< 1
EPA 08	N	4/10/1996	< 0.01	< 0.01	< 0.05	2.96	0.14	< 0.05	< 0.001	< 0.1	0.0006	1.2	1.3	2.5	0.7	< 1	1.2
EPA 08	N	7/17/1996	< 0.01	< 0.01	< 0.05	3.21	< 0.1	< 0.05	0.002	< 0.1	0.0016	0.7	< 1	0.7	0.8	< 1	< 1
EPA 08	N	10/8/1996	< 0.01	< 0.01	< 0.05	3	< 0.1	< 0.05	< 0.001	< 0.1	0.0005	0.9	< 1	0.9	< 0.2	< 1	< 1
EPA 08	N	1/28/1997	< 0.01	< 0.01	< 0.05	3.07	< 0.1	< 0.05	< 0.001	< 0.1	0.001	1.1	< 1	1.1	< 0.2	< 1	1.1
EPA 08	N	4/15/1997	< 0.01	< 0.01	< 0.05	3.01	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.1	< 1	1.1	< 0.2	< 1	< 1
EPA 08	N	7/15/1997	< 0.01	< 0.01	< 0.05	2.82	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	0.7	< 1	0.7	< 0.2	< 1	< 1
EPA 08	N	10/15/1997	< 0.01	< 0.01	< 0.05	3.24	< 0.1	< 0.05	< 0.001	< 0.1	0.001	0.7	< 1	0.7	< 0.2	< 1	< 1
EPA 08	N	1/20/1998	< 0.005	< 0.01	< 0.05	3.42	< 0.1	< 0.05	< 0.001	< 0.1	0.001	1.1	< 1	1.1	< 0.2	< 1	< 1
EPA 08	N	4/14/1998	< 0.005	< 0.01	< 0.05	2.99	< 0.1	< 0.05	< 0.001	< 0.1	0.0009	1	< 1	1	< 0.2	< 1	< 1

TABLE C.1
 Zone 1 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	As	Be
			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	mg/l
NRC Standard			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA	0.05	0.05
EPA Standard			NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
EPA 08	N	7/14/1998	6,862.40	6.60	7.17	4820	594	430	154	8.3	132	3000	39.7	0.85	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	N	10/13/1998	no data	6.47	7.58	4780	566	428	156	8.3	134	3150	38.5	1.07	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	N	1/12/1999	6,865.50	6.60	7.20	4840	594	432	139	8	130	3200	41	0.81	< 0.1	< 1	< 0.1	0.003	< 0.01
EPA 08	N	4/13/1999	6,863.30	6.60	7.35	4630	558	420	136	7.7	131	3000	45.7	0.91	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	N	7/20/1999	6,863.00	6.36	7.18	4780	514	379	169	10.3	119	2710	47	0.76	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	N	10/12/1999	6,862.90	6.45	7.44	4790	552	414	133	7.7	121	3000	42.9	0.71	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	N	1/11/2000	6,863.20	6.60	7.29	4720	510	387	127	8.1	125	2750	39.3	0.79	< 0.1	< 1	< 0.1	< 0.001	< 0.01

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

Location ID	Desc	Sample Date	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	pCi/l	pCi/l	pCi/l	pCi/l	pCi/l
NRC Standard			0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	9.4	5	1	15
EPA Standard			0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 08	N	7/14/1998	< 0.005	< 0.01	< 0.05	2.84	< 0.1	< 0.05	< 0.001	< 0.1	0.0009	0.9	< 1	0.9	< 0.2	< 1	< 1
EPA 08	N	10/13/1998	< 0.005	< 0.01	< 0.05	3.05	< 0.1	< 0.05	< 0.001	< 0.1	0.001	1.4	3.8	5.2	< 0.2	2.3	2.3
EPA 08	N	1/12/1999	< 0.005	< 0.01	< 0.05	2.98	< 0.1	< 0.05	< 0.001	< 0.1	0.0038	1	2.3	3.3	< 0.2	< 1	< 1
EPA 08	N	4/13/1999	< 0.005	< 0.01	< 0.05	2.98	< 0.1	< 0.05	< 0.001	< 0.1	0.0011	2	3.4	5.4	< 0.2	3	3
EPA 08	N	7/20/1999	< 0.005	< 0.01	< 0.05	2.4	< 0.1	< 0.05	< 0.001	< 0.1	0.0016	1.4	1.5	2.9	< 0.2	1.8	1.8
EPA 08	N	10/12/1999	< 0.005	< 0.01	< 0.05	3.08	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	0.9	4.2	5.1	< 0.2	< 1	1.6
EPA 08	N	1/11/2000	< 0.005	< 0.01	< 0.05	2.99	< 0.1	< 0.05	< 0.001	< 0.1	0.0016	0.9	2.6	3.5	< 0.2	< 1	< 1

**Laboratory Analytical Data
2011**

UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 1 Monitor Wells					
Well ID:		614	614	614	614
Collection Date:		10/5/2011	7/13/2011	4/11/2011	1/10/2011
Receive Date:		10/7/2011	7/15/2011	4/15/2011	1/14/2011
Report Date:		11/30/2011	9/19/2011	6/13/2011	2/22/2011
Analyte	RUnits	C11100297-001	C11070555-003	C11040507-001	C11010450-001
Bicarbonate as HCO ₃	mg/L	1220	1270	1210	1400
Calcium	mg/L	556	577	584	564
Chloride	mg/L	278	283	287	295
Magnesium	mg/L	700	720	702	694
Nitrogen, Ammonia as N	mg/L	131	110	50	102
Nitrogen, Nitrate+Nitrite as N	mg/L	129	130	ND(0.1)	97
Potassium	mg/L	15	15	14	14
Sodium	mg/L	488	510	489	474
Sulfate	mg/L	3620	3570	3580	3450
pH	s.u.	7.02	7.25	6.99	7.26
Solids, Total Dissolved TDS @ 180 C	mg/L	7040	7060	7030	6830
Aluminum	mg/L	ND(0.1)	0.6	0.9	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	0.01	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	0.77	0.75	0.65	0.69
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0455	0.0493	0.0494	0.0502
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.002	ND(0.001)	0.003	ND(0.001)
Selenium-IV	mg/L	0.001	0.001	0.001	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	0.8	1.5	1.0	0.8
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.3	0.8	0.4	0.5
Gross Alpha minus Rn & U MDC	pCi/L	0.4	1	0.4	0.6
Lead 210	pCi/L	-0.8	0.2	1.2	1.3
Lead 210 precision (±)	pCi/L	0.8	1.0	0.8	0.9
Lead 210 MDC	pCi/L	1.3	1.7	1.3	1.4
Radium 226	pCi/L	0.83	0.46	0.44	0.73
Radium 226 precision (±)	pCi/L	0.16	0.15	0.17	0.14
Radium 226 MDC	pCi/L	0.09	0.15	0.18	0.09
Radium 228	pCi/L	4.0	4.2	3.9	3.4
Radium 228 precision (±)	pCi/L	0.77	0.90	0.80	0.68
Radium 228 MDC	pCi/L	0.98	1.2	1.1	0.90
Thorium 230	pCi/L	0.06	0.06	-0.003	0.2
Thorium 230 precision (±)	pCi/L	0.1	0.1	0.1	0.2
Thorium 230 MDC	pCi/L	0.2	0.3	0.3	0.2
A/C Balance (± 5)	%	1.21	2.35	4.53	1.53
Anions	meq/L	114	113	102	110
Cations	meq/L	116	118	112	113
Solids, Total Dissolved Calculated	mg/L	6920	6940	6280	6640
TDS Balance (0.80 - 1.20)		1.02	1.02	1.12	1.03
Trihalomethanes, Total	ug/L	49.2	32.7	44.0	154

****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 1 Monitor Wells					
Well ID:		604	604	604	604
Collection Date:		10/5/2011	7/13/2011	4/5/2011	1/5/2011
Receive Date:		10/7/2011	7/15/2011	4/8/2011	1/7/2011
Report Date:		11/30/2011	9/19/2011	5/24/2011	2/8/2011
Analyte	RUnits	C11100297-002	C11070555-001	C11040309-002	C11010232-002
Bicarbonate as HCO ₃	mg/L	17	17	9	14
Calcium	mg/L	440	456	456	444
Chloride	mg/L	57	55	56	59
Magnesium	mg/L	786	825	809	794
Nitrogen, Ammonia as N	mg/L	ND(0.1)	ND(0.1)	0.11	0.37
Nitrogen, Nitrate+Nitrite as N	mg/L	70	69	72	65
Potassium	mg/L	12	12	13	12
Sodium	mg/L	306	324	314	292
Sulfate	mg/L	4590	4690	4830	4620
pH	s.u.	5.62	5.39	5.50	5.53
Solids, Total Dissolved TDS @ 180 C	mg/L	6980	6990	7190	6880
Aluminum	mg/L	1.2	2.3	1.7	1.9
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.17	0.19	0.20	0.20
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	7.03	7.60	8.09	8.20
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.23	0.28	0.26	0.25
Uranium	mg/L	0.0004	0.0007	0.0005	0.0005
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.003	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	1.6	1.7	1.7	2.1
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.4	0.9	0.5	0.8
Gross Alpha minus Rn & U MDC	pCi/L	0.4	1	0.4	0.8
Lead 210	pCi/L	-0.8	0.007	-0.03	-0.3
Lead 210 precision (±)	pCi/L	0.8	1.0	0.9	1.0
Lead 210 MDC	pCi/L	1.3	1.7	1.5	1.7
Radium 226	pCi/L	1.6	0.96	1.1	1.4
Radium 226 precision (±)	pCi/L	0.22	0.20	0.21	0.21
Radium 226 MDC	pCi/L	0.09	0.16	0.13	0.1
Radium 228	pCi/L	6.3	4.1	4.5	5.5
Radium 228 precision (±)	pCi/L	0.85	0.94	0.80	0.92
Radium 228 MDC	pCi/L	0.98	1.3	1.0	1.2
Thorium 230	pCi/L	0.07	0.07	0.09	-0.03
Thorium 230 precision (±)	pCi/L	0.1	0.09	0.09	0.05
Thorium 230 MDC	pCi/L	0.2	0.2	0.1	0.1
A/C Balance (± 5)	%	-1.07	0.419	-1.85	-1.04
Anions	meq/L	102	104	107	103
Cations	meq/L	100	105	103	101
Solids, Total Dissolved Calculated	mg/L	6540	6690	6820	6540
TDS Balance (0.80 - 1.20)		1.07	1.04	1.05	1.05
Trihalomethanes, Total	ug/L	5.24	1.98	4.56	5.48

****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 1 Monitor Wells					
Well ID:		515-A	515-A	515-A	515-A
Collection Date:		10/5/2011	7/13/2011	4/5/2011	1/5/2011
Receive Date:		10/7/2011	7/15/2011	4/8/2011	1/7/2011
Report Date:		11/30/2011	9/19/2011	5/24/2011	2/8/2011
Analyte	RUnits	C11100297-003	C11070555-002	C11040309-001	C11010232-001
Bicarbonate as HCO ₃	mg/L	727	729	417	321
Calcium	mg/L	455	480	454	467
Chloride	mg/L	360	363	319	288
Magnesium	mg/L	1180	1220	1070	936
Nitrogen, Ammonia as N	mg/L	40	35	36	29
Nitrogen, Nitrate+Nitrite as N	mg/L	44	44	49	53
Potassium	mg/L	20	20	20	17
Sodium	mg/L	595	636	588	506
Sulfate	mg/L	5990	5970	5420	5060
pH	s.u.	7.37	7.54	6.59	7.06
Solids, Total Dissolved TDS @ 180 C	mg/L	9740	9520	8690	7880
Aluminum	mg/L	0.1	0.8	0.1	0.3
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.02	0.02	0.02	0.02
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	11.6	13.7	15.4	16.7
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.10	0.11	0.16	0.18
Uranium	mg/L	0.0074	0.0081	0.0047	0.0026
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	1.6	1.8	2.0	2.7
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.4	0.9	0.5	0.8
Gross Alpha minus Rn & U MDC	pCi/L	0.4	1	0.4	0.8
Lead 210	pCi/L	-0.4	0.5	-0.9	0.3
Lead 210 precision (±)	pCi/L	0.8	1.0	0.9	1.0
Lead 210 MDC	pCi/L	1.3	1.7	1.5	1.7
Radium 226	pCi/L	1.9	1.4	1.3	2.2
Radium 226 precision (±)	pCi/L	0.25	0.27	0.24	0.28
Radium 226 MDC	pCi/L	0.10	0.20	0.13	0.11
Radium 228	pCi/L	2.2	2.5	3.3	3.4
Radium 228 precision (±)	pCi/L	0.89	1.2	0.76	0.93
Radium 228 MDC	pCi/L	1.3	1.8	1.0	1.3
Thorium 230	pCi/L	0.01	0.1	0.06	0.02
Thorium 230 precision (±)	pCi/L	0.06	0.1	0.08	0.07
Thorium 230 MDC	pCi/L	0.1	0.1	0.1	0.1
A/C Balance (± 5)	%	-0.288	1.91	-2.76	0.915
Anions	meq/L	150	149	147	123
Cations	meq/L	149	155	139	125
Solids, Total Dissolved Calculated	mg/L	9150	9240	8370	7690
TDS Balance (0.80 - 1.20)		1.06	1.03	1.04	1.02
Trihalomethanes, Total	ug/L	83.6	84.4	116	204

****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 1 Monitor Wells					
Well ID:		EPA-4	EPA-4	EPA-4	EPA-4
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	9/16/2011	6/13/2011	2/22/2011
Analyte	RUnits	C11100570-001	C11070805-001	C11040507-003	C11010450-003
Bicarbonate as HCO ₃	mg/L	145	160	184	185
Calcium	mg/L	578	560	578	580
Chloride	mg/L	37	35	35	35
Magnesium	mg/L	375	368	382	384
Nitrogen, Ammonia as N	mg/L	0.9	0.8	0.79	0.77
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Potassium	mg/L	9	9	9	9
Sodium	mg/L	187	188	192	186
Sulfate	mg/L	3070	2870	3040	3060
pH	s.u.	7.38	7.51	7.02	7.41
Solids, Total Dissolved TDS @ 180 C	mg/L	4390	4330	4580	4550
Aluminum	mg/L	ND(0.1)	0.5	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	2.56	2.94	3.44	3.34
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0004	0.0004	0.0003	0.0003
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	0.001	0.002
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	2.1	1.1	1.7	3.7
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.9	0.4	0.5	1.0
Gross Alpha minus Rn & U MDC	pCi/L	1.0	0.4	0.4	0.9
Lead 210	pCi/L	0.9	-0.3	1.4	0.4
Lead 210 precision (±)	pCi/L	0.7	0.8	0.8	0.8
Lead 210 MDC	pCi/L	1.2	1.3	1.3	1.4
Radium 226	pCi/L	1.5	0.99	1.1	1.7
Radium 226 precision (±)	pCi/L	0.24	0.21	0.26	0.20
Radium 226 MDC	pCi/L	0.17	0.16	0.19	0.09
Radium 228	pCi/L	2.5	2.9	2.2	3.5
Radium 228 precision (±)	pCi/L	0.70	0.85	0.77	0.69
Radium 228 MDC	pCi/L	0.97	1.2	1.1	0.91
Thorium 230	pCi/L	0.04	0.04	0.07	0.06
Thorium 230 precision (±)	pCi/L	0.08	0.1	0.1	0.07
Thorium 230 MDC	pCi/L	0.2	0.2	0.2	0.1
A/C Balance (± 5)	%	0.626	2.54	1.12	0.819
Anions	meq/L	67.3	63.4	67.3	67.8
Cations	meq/L	68.1	66.7	68.9	68.9
Solids, Total Dissolved Calculated	mg/L	4330	4130	4360	4380
TDS Balance (0.80 - 1.20)		1.01	1.05	1.05	1.04
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	0.62	0.71

****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 1 Monitor Wells					
Well ID:		EPA-5	EPA-5	EPA-5	EPA-5
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	9/16/2011	6/13/2011	2/22/2011
Analyte	RUnits	C11100570-002	C11070805-002	C11040507-004	C11010450-004
Bicarbonate as HCO ₃	mg/L	65	62	69	52
Calcium	mg/L	476	469	476	452
Chloride	mg/L	40	40	41	42
Magnesium	mg/L	493	486	498	480
Nitrogen, Ammonia as N	mg/L	3.8	6.7	6.9	8.0
Nitrogen, Nitrate+Nitrite as N	mg/L	6.9	7.2	9	9
Potassium	mg/L	7	7	7	7
Sodium	mg/L	115	112	122	106
Sulfate	mg/L	3280	3160	3190	3200
pH	s.u.	6.43	7.25	6.12	6.26
Solids, Total Dissolved TDS @ 180 C	mg/L	4670	4680	4780	4770
Aluminum	mg/L	ND(0.1)	0.3	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.03	0.03	0.04	0.04
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	1.19	1.20	1.27	1.24
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0007	0.0019	0.0009	0.0009
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.012	ND(0.001)	0.003	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	2.1	2.2	2.3	4.6
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.9	0.5	0.5	1.1
Gross Alpha minus Rn & U MDC	pCi/L	1.0	0.4	0.4	0.9
Lead 210	pCi/L	0.4	-0.3	1.6	1.2
Lead 210 precision (±)	pCi/L	0.7	0.8	0.8	0.8
Lead 210 MDC	pCi/L	1.2	1.4	1.3	1.4
Radium 226	pCi/L	2.0	1.8	1.6	1.9
Radium 226 precision (±)	pCi/L	0.27	0.28	0.30	0.22
Radium 226 MDC	pCi/L	0.16	0.16	0.19	0.09
Radium 228	pCi/L	2.6	3.6	3.0	2.9
Radium 228 precision (±)	pCi/L	0.69	0.90	0.81	0.68
Radium 228 MDC	pCi/L	0.95	1.2	1.1	0.93
Thorium 230	pCi/L	0.07	0.05	0.08	0.009
Thorium 230 precision (±)	pCi/L	0.09	0.1	0.2	0.07
Thorium 230 MDC	pCi/L	0.2	0.3	0.3	0.1
A/C Balance (± 5)	%	-1.05	-0.254	0.998	-1.45
Anions	meq/L	71.3	68.8	69.4	69.3
Cations	meq/L	69.8	68.4	70.8	67.3
Solids, Total Dissolved Calculated	mg/L	4490	4370	4430	4370
TDS Balance (0.80 - 1.20)		1.04	1.07	1.08	1.09
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	0.53	0.62

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 1 Monitor Wells					
Well ID:		EPA-7	EPA-7	EPA-7	EPA-7
Collection Date:		10/10/2011	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	9/16/2011	6/13/2011	2/22/2011
Analyte	RUnits	C11100570-003	C11070805-006	C11040507-005	C11010450-005
Bicarbonate as HCO ₃	mg/L	589	631	623	624
Calcium	mg/L	513	494	499	489
Chloride	mg/L	218	213	215	214
Magnesium	mg/L	1000	981	1030	1020
Nitrogen, Ammonia as N	mg/L	ND(0.2)	0.3	0.20	0.25
Nitrogen, Nitrate+Nitrite as N	mg/L	129	128	129	107
Potassium	mg/L	9	8	9	9
Sodium	mg/L	382	390	399	370
Sulfate	mg/L	4710	4690	4900	4860
pH	s.u.	7.49	7.52	6.51	7.60
Solids, Total Dissolved TDS @ 180 C	mg/L	7990	8290	8340	8260
Aluminum	mg/L	0.2	0.1	0.2	0.3
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.03	0.03	0.03	0.03
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	2.66	2.78	2.77	2.83
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0019	0.0016	0.0018	0.0017
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	0.7	0.6	0.7	2.2
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.7	0.3	0.3	0.9
Gross Alpha minus Rn & U MDC	pCi/L	1.0	0.4	0.4	0.9
Lead 210	pCi/L	0.9	-0.3	0.7	0.6
Lead 210 precision (±)	pCi/L	0.8	0.8	0.8	0.9
Lead 210 MDC	pCi/L	1.2	1.4	1.3	1.4
Radium 226	pCi/L	0.42	0.31	0.36	0.63
Radium 226 precision (±)	pCi/L	0.15	0.14	0.16	0.13
Radium 226 MDC	pCi/L	0.16	0.16	0.18	0.09
Radium 228	pCi/L	1.3	1.1	1.7	1.8
Radium 228 precision (±)	pCi/L	0.63	0.77	0.73	0.62
Radium 228 MDC	pCi/L	0.96	1.2	1.1	0.91
Thorium 230	pCi/L	0.04	0.06	0.02	0.07
Thorium 230 precision (±)	pCi/L	0.07	0.09	0.06	0.1
Thorium 230 MDC	pCi/L	0.1	0.2	0.1	0.2
A/C Balance (± 5)	%	0.769	-0.209	-0.0209	-0.336
Anions	meq/L	123	123	128	125
Cations	meq/L	125	123	128	124
Solids, Total Dissolved Calculated	mg/L	7700	7660	7940	7740
TDS Balance (0.80 - 1.20)		1.04	1.08	1.05	1.07
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	0.61	0.65

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 1 Monitor Wells					
Well ID:		EPA-2	EPA-2	EPA-2	EPA-2
Collection Date:		10/10/2011	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	9/16/2011	6/13/2011	2/22/2011
Analyte	RUnits	C11100570-004	C11070805-003	C11040507-006	C11010450-006
Bicarbonate as HCO ₃	mg/L	285	312	322	326
Calcium	mg/L	384	370	376	351
Chloride	mg/L	21	20	21	21
Magnesium	mg/L	169	162	166	156
Nitrogen, Ammonia as N	mg/L	0.4	0.5	0.47	0.44
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Potassium	mg/L	7	7	7	7
Sodium	mg/L	206	212	214	199
Sulfate	mg/L	1790	1650	1770	1740
pH	s.u.	7.51	7.74	7.21	7.71
Solids, Total Dissolved TDS @ 180 C	mg/L	2840	2830	2830	2740
Aluminum	mg/L	ND(0.1)	0.2	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	0.90	1.40	1.67	1.56
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0014	0.0018	0.0016	0.0017
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	0.002	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	0.002	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	2.4	1.5	1.3	3.7
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.9	0.4	0.4	1.0
Gross Alpha minus Rn & U MDC	pCi/L	1.0	0.4	0.4	0.9
Lead 210	pCi/L	0.9	-0.5	0.7	1.0
Lead 210 precision (±)	pCi/L	0.8	0.8	0.8	0.9
Lead 210 MDC	pCi/L	1.2	1.3	1.3	1.4
Radium 226	pCi/L	1.2	1.1	1.2	1.2
Radium 226 precision (±)	pCi/L	0.21	0.23	0.27	0.18
Radium 226 MDC	pCi/L	0.16	0.16	0.21	0.09
Radium 228	pCi/L	2.4	3.0	2.3	2.8
Radium 228 precision (±)	pCi/L	0.67	0.89	0.83	0.69
Radium 228 MDC	pCi/L	0.92	1.3	1.2	0.96
Thorium 230	pCi/L	0.0007	0.04	0.02	0.004
Thorium 230 precision (±)	pCi/L	0.06	0.08	0.06	0.05
Thorium 230 MDC	pCi/L	0.2	0.2	0.1	0.1
A/C Balance (± 5)	%	-0.341	1.42	-0.765	-3.61
Anions	meq/L	42.6	40.1	42.6	42.2
Cations	meq/L	42.3	41.2	42.0	39.2
Solids, Total Dissolved Calculated	mg/L	2720	2610	2740	2670
TDS Balance (0.80 - 1.20)		1.04	1.08	1.03	1.03
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 1 Monitor Wells					
Well ID:		EPA-2 Duplicate	EPA-2 Duplicate	EPA-2 Duplicate	EPA-2 Duplicate
Collection Date:		10/10/2011	7/18/2011	10/11/2010	7/19/2010
Receive Date:		10/14/2011	7/22/2011	10/15/2010	7/23/2010
Report Date:		11/30/2011	9/16/2011	11/22/2010	8/31/2010
Analyte	RUnits	C11100570-005	C11070805-004	C10100651-005	C10070882-005
Bicarbonate as HCO ₃	mg/L	295	321	348	332
Calcium	mg/L	386	366	364	380
Chloride	mg/L	21	20	16	22
Magnesium	mg/L	171	163	162	181
Nitrogen, Ammonia as N	mg/L	0.4	0.5	0.47	0.57
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Potassium	mg/L	7	6	7	6
Sodium	mg/L	210	211	215	201
Sulfate	mg/L	1780	1680	1780	1880
pH	s.u.	7.75	7.78	7.69	7.26
Solids, Total Dissolved TDS @ 180 C	mg/L	2820	2800	2750	3000
Aluminum	mg/L	ND(0.1)	0.1	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	1.53	1.54	1.30	1.58
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0023	0.0012	0.0015	ND(0.0003)
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	4.7	1.7	1.3	2.5
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.1	0.5	0.5	0.6
Gross Alpha minus Rn & U MDC	pCi/L	1	0.4	0.6	0.5
Lead 210	pCi/L	0.7	-0.4	-0.2	0.8
Lead 210 precision (±)	pCi/L	0.7	0.8	1.2	2.1
Lead 210 MDC	pCi/L	1.2	1.3	2.0	3.5
Radium 226	pCi/L	1.5	0.84	1.6	1.2
Radium 226 precision (±)	pCi/L	0.23	0.20	0.24	0.24
Radium 226 MDC	pCi/L	0.15	0.16	0.12	0.19
Radium 228	pCi/L	2.6	3.7	3.2	3.0
Radium 228 precision (±)	pCi/L	0.65	0.89	0.83	0.72
Radium 228 MDC	pCi/L	0.88	1.2	1.2	0.99
Thorium 230	pCi/L	0.06	0.009	0.03	0.1
Thorium 230 precision (±)	pCi/L	0.1	0.06	0.07	0.1
Thorium 230 MDC	pCi/L	0.3	0.2	0.1	0.2
A/C Balance (± 5)	%	0.308	0.421	-2.49	-2.65
Anions	meq/L	42.5	40.7	43.2	45.1
Cations	meq/L	42.7	41.1	41.1	42.8
Solids, Total Dissolved Calculated	mg/L	2720	2640	2750	2830
TDS Balance (0.80 - 1.20)		1.04	1.06	1.00	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 1 Monitor Wells					
Well ID:		TWQ-142	TWQ-142	TWQ-142	TWQ-142
Collection Date:		10/11/2011	7/19/2011	4/12/2011	1/12/2011
Receive Date:		10/14/2011	7/22/2011	4/15/2011	1/14/2011
Report Date:		11/30/2011	9/16/2011	6/13/2011	2/22/2011
Analyte	RUnits	C11100570-006	C11070805-005	C11040507-008	C11010450-008
Bicarbonate as HCO ₃	mg/L	266	288	285	285
Calcium	mg/L	51	51	51	49
Chloride	mg/L	17	17	17	17
Magnesium	mg/L	26	25	26	25
Nitrogen, Ammonia as N	mg/L	0.4	0.5	0.46	0.46
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Potassium	mg/L	4	4	4	4
Sodium	mg/L	332	337	353	326
Sulfate	mg/L	684	665	669	664
pH	s.u.	8.01	7.98	7.68	7.86
Solids, Total Dissolved TDS @ 180 C	mg/L	1220	1220	1230	1160
Aluminum	mg/L	0.1	0.1	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	0.02	0.02	0.04	0.05
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	ND(0.0003)	ND(0.0003)	ND(0.0003)	ND(0.0003)
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	0.001	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	1	1.1	1.2	1.7
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.8	0.4	0.4	0.8
Gross Alpha minus Rn & U MDC	pCi/L	1.0	0.4	0.4	0.9
Lead 210	pCi/L	0.7	-0.7	0.3	0.3
Lead 210 precision (±)	pCi/L	0.7	0.8	0.8	0.8
Lead 210 MDC	pCi/L	1.2	1.4	1.3	1.4
Radium 226	pCi/L	0.78	0.53	0.25	1.1
Radium 226 precision (±)	pCi/L	0.21	0.20	0.16	0.18
Radium 226 MDC	pCi/L	0.20	0.20	0.21	0.10
Radium 228	pCi/L	1.1	1.1	0.71	0.78
Radium 228 precision (±)	pCi/L	0.74	0.99	0.76	0.67
Radium 228 MDC	pCi/L	1.2	1.6	1.2	1.1
Thorium 230	pCi/L	-0.007	0.04	-0.02	0.002
Thorium 230 precision (±)	pCi/L	0.06	0.07	0.06	0.08
Thorium 230 MDC	pCi/L	0.1	0.2	0.2	0.2
A/C Balance (± 5)	%	0.246	0.935	2.64	-0.467
Anions	meq/L	19.1	19.1	19.2	19.0
Cations	meq/L	19.2	19.4	20.2	18.8
Solids, Total Dissolved Calculated	mg/L	1250	1260	1280	1240
TDS Balance (0.80 - 1.20)		0.980	0.970	0.960	0.940
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.**