Table 5

Radionuclide Concentrations – 1989 to Present

Appendix E, Table 5 - Radionuclide Concentrations 1989 to Present (pCi/L)

Well Number	Date Sampled	Sr-90	(2s) Total Error	Cs-137	(2s) Total Error	Gross Alpha (as Th-230)	(2s) Total Error	Gross Beta	(2s) Total Error	Tritium (H-3)	(2s) Total Error
NRF-6	01/08/92					2.9	0.43	5.52	0.87		
NRF-6	03/10/92					3.34	1.54	6.05	0.79		
NRF-6	05/14/92					2.85	0.44	5.02	0.87		
NRF-6	07/08/92					2.23	0.40	4.93	0.81		
NRF-6	09/18/92					3.53	0.97	5	1.60		
NRF-6	12/09/92					2.13	2.55	5.43	1.68		
NRF-6	04/09/93					2.38	1.29	5.53	1.84		
NRF-6	No Data										
NRF-6	09/14/93					4.2	3.72	6.83	1.93		
NRF-6	11/04/93					2.8	3.33	6.41	2.38		
NRF-6	03/10/94					5.17	3.80	4.97	1.67		
NRF-6	06/09/94					5.24	3.74	5.67	1.83		
NRF-6	No Data										
NRF-6	12/21/94					7.31	6.14	16.7	10.50	105.6	19
NRF-6	03/16/95					2.94	7.22	6.21	9.54	124.8	26
NRF-6	06/09/95					-1.33	3.87	6.94	7.31	96	26
NRF-6	09/13/95					1.05	2.39	7.76	2.50	54	26
NRF-6	11/07/95					4.01	3.68	7.7	2.47	61	26
NRF-6	01/16/96					2.22	2.85	8.23	2.36	64	26
NRF-6	03/19/96					0.316	3.50	12	9.37	83	26
NRF-6	06/10/96					1.36	2.73	8.12	7.97	54	26
NRF 6	09/05/96					1.91	3.40	9.89	5.95	89.6	26
NRF 6	01/31/97	0.06	0.4	3.95	2.7	1.12	2.10	11.3	4.30	86.6	13
NRF-6	06/05/97	0.57	0.5	1.32	2.8	3.35	1.70	4.32	2.30	73.8	210
NRF-6	09/02/97	0.44	0.4	-1.36	1.4	5.64	2.50	9.58	2.50	84.8	12
NRF-6	11/17/97	0.24	0.5	0.459	0.7	2.09	3.10	6.93	2.20	79.3	12
NRF-6	02/09/98	0.20	0.3	0.278	0.8	3.98	2.00	7.57	1.60	76	12
NRF-6	05/11/98	-0.05	0.2	0.863	0.5	1.11	2.00	6.83	1.90	68.6	11
NRF-6	08/04/98	0.14	0.3	1.06	0.4	0.864	1.70	6.66	2.00	124	16
NRF-6	11/02/98	0.31	0.2	-0.266	0.4	4.04	1.90	8.03	1.70	64.7	11
NRF-6	02/04/99	0.01	0.2	-0.144	0.7	3.81	1.80	5.08	1.60	102	21
NRF-6	05/03/99	0.12	0.3	-0.247	0.7	2.36	2.10	7.56	2.10	103.13	25
NRF-6	07/27/99	-0.03	0.2	-0.181	0.7	2.67	2.68	0.336	1.50	84.17	12
NRF-6	11/01/99	0.26	0.3	0.271	0.7	7.96	4.80	4.94	1.90	62.17	9
NRF 6	01/31/00	-0.02	0.2	0.31	0.6	2.14	1.88	5.8	2.12	69.23	20
NRF-6	05/01/00	0.08	0.2	-0.676	0.7	1.52	1.80	6.42	3.00	59.04	17
	Mean	0.19	0.2	0.50	0.7	2.99	1.57	7.00	2.10	82.92	
	Std. Dev.	0.19		1.30		1.92		2.81		20.72	
	Max	0.57		3.95		7.96		16.70		124.80	
	Min	-0.05		-1.36		-1.33		0.34		54.00	
NRF-7	09/10/91										
NRF-7	01/08/92					1.29	0.31	3.23	0.47		
NRF-7	03/10/92					0.7	0.21	3.36	0.42		
NRF-7	05/14/92					1.03	0.28	3.5	0.42		
NRF-7	07/08/92					1.48	0.37	2.86	0.37		
NRF-7	09/18/92										
NRF-7	12/09/92										
NRF-7	04/09/93					1.33	0.60	3.16	1.04		
NRF-7	06/10/93					1.99	1.00	2.71	0.92		
NRF-7	09/14/93					0.935	0.74	3.29	0.80		
NRF-7	11/03/93					1.37	0.83	3.29	0.79		
NRF-7	03/15/94					1.52	0.87	2.82	0.74		
NRF-7	06/13/94					1.14	0.80	2.96	0.76		
NRF-7	09/12/94					1.85	0.94	2.78	0.93	3.2	26
NRF-7	11/04/94					5.41	2.24	6.89	2.08	-16	26
NRF-7	03/17/95					2.35	1.45	7.61	2.52	-9.6	26
NRF-7	06/09/95					2.55	1.68	6.46	2.67	-16	26
NRF-7	09/14/95					1.24	0.78	4.13	1.21	-6.4	26
NRF-7	11/08/95					1.84	1.02	3.3	0.85	9.6	26

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Well Number	Date Sampled	Sr-90	(2s) Total Error	Cs-137	(2s) Total Error	Gross Alpha (as Th-230)	(2s) Total Error	Gross Beta	(2s) Total Error	Tritium (H-3)	(2s) Total Error
NRF-7	01/16/96					0.78	0.77	4.4	1.28	12.8	26
NRF-7	03/19/96					1.69	1.90	7.3	2.31	0	26
NRF-7	06/10/96					1.54	1.61	6.83	2.37	-12.8	26
NRF-7	09/03/96					1.41	1.53	5.68	1.77	12.8	26
NRF-7	01/31/97	0.72	2.6	-0.552	3.8	0.881	0.49	3.62	1.20	0.158	7
NRF-7	06/05/97	0.34	0.4	0.363	3.2	1.15	0.64	3.29	1.30	-29.2	200
NRF-7	09/02/97	0.09	0.3	1.67	1.4	1.27	0.66	3.97	1.40	3.98	7
NRF-7	11/18/97			0.197	0.7	1.83	0.95	4.51	1.20	3	7
NRF-7	02/09/98	0.27	0.3	0.482	0.7	1.56	0.66	4.5	1.00	3.19	6
NRF-7	05/11/98	0.02	0.2	0.318	0.5	1.68	0.60	3.97	0.69	2	7
NRF-7	08/05/98			0.166	0.5	1.2	0.52	4.64	1.10		
NRF-7	11/02/98	0.23	0.3	0.079	0.4	1.96	1.10	4.07	1.30	7.19	7
NRF-7	02/04/99	0.11	0.2	-0.41	0.7	1.77	0.57	4.1	0.68	15.65	3
NRF-7	05/03/99	0.00	0.2	0.101	0.6	1.72	1.00	4.18	0.88	38.28	7
NRF-7	07/27/99	0.00	0.2	0.248	0.7	1.68	1.00	1.73	0.64	8.69	2
NRF-7	11/01/99	0.26	0.3	-0.00582	0.7	1.11	0.89	4.64	1.10	3.57	NA
NRF 7	01/31/00	0.11	0.2	0.711	0.7	1.28	0.65	3.56	0.92	3.79	NA
NRF-7	05/01/00	0.14	0.2	-0.299	0.6	1.63	0.86	6.14	1.50	3.57	NA
	Mean	0.20	0.5	0.22	0.8	1.60	0.52	4.18	0.67	1.62	24.21
	Std. Dev.	0.22		0.55		0.82		1.46		14.01	
	Max	0.72		1.67		5.41		7.61		38.28	
	Min	0.00		-0.55		0.70		1.73		-29.20	
NRF-8	01/17/96					3.2	1.78	3.18	1.17	67.2	26
NRF-8	03/25/96					2.85	2.52	7.36	3.63	38.4	26
NRF-8	06/11/96					0.912	1.83	7.17	4.56	54.4	26
NRF-8	09/04/96					1.43	2.18	11.4	4.31	57.6	26
NRF-8	01/30/97	0.09	0.7	2	2.8	2.6	1.20	5.1	1.40	58.9	10
NRF-8	06/10/97	-0.12	0.5	2.71	2.7	3	1.20	2.64	2.00	24.1	210
NRF-8	09/04/97	0.26	0.4	-0.39	1.4	1.65	0.84	2.68	1.20	52.8	10
NRF-8	11/17/97	0.12	0.2	0.554	0.7	2.39	1.40	3.75	1.00	57.9	10
NRF-8	02/10/98	0.41	0.4	0.35	0.8	4.46	1.30	3.57	0.67	52.3	10
NRF-8	05/13/98	0.02	0.2	0.197	0.5	4.61	1.50	0.812	0.49	45.4	13
NRF-8	08/05/98	0.15	0.3	-0.00273	0.5	3.48	1.10	3.2	0.93		
NRF-8	11/03/98	0.14	0.2	0.00241	0.7	0.901	0.29	3.73	0.71	52.2	10
NRF-8	02/11/99	0.22	0.2	0.85	0.7	2.59	1.10	2.58	0.96	62.83	12
NRF-8	05/03/99	0.01	0.2	0.00294	0.7	1.41	1.30	4.02	1.00	94.34	21
NRF-8	07/28/99	0.20	0.2	0.0804	0.8	2.96	2.00	3.14	1.10	65.03	9
NRF-8	11/02/99	0.01	0.2	0.137	0.7	3.81	2.40	3.46	1.40	47.1	7
NRF-8	02/01/00	0.10	0.2	-0.0672	0.7	1.74	1.07	3.36	1.24	38.4	12
NRF-8	05/02/00	0.06	0.2	0.163	0.7	2.44	1.20	4.09	1.50	50.37	15
	Mean	0.13	0.2	0.54	0.7	2.64	0.83	4.24	1.08	55.37	29.30
	Std. Dev.	0.14		0.91		1.15		2.51		15.33	
	Max	0.41		2.71		4.61		11.40		94.34	
	Min	-0.12		-0.39		0.90		0.81		24.10	
NRF-9	01/18/96					2.65	1.69	4.18	1.39	147.2	32
NRF-9	03/26/96					1.6	2.27	8.36	3.93	115.2	26
NRF-9	06/11/96					3.99	2.65	6.32	3.54	112	26
NRF-9	09/04/96					4.19	2.90	9.17	3.99	131.2	26
NRF-9	01/30/97	0.38	0.7	1.74	3.4	1.26	1.20	64	7.00	121	15
NRF-9	06/10/97	0.54	0.6	0.818	2.7	2.68	1.20	4.15	2.80	159	220
NRF-9	09/04/97	0.46	0.5	1.16	1.2	3.65	1.10	3.13	1.20	110	14
NRF-9	11/18/97	0.37	0.3	0.475	1.6	2.48	1.50	4.06	1.30	97.8	13
NRF-9	02/10/98	0.25	0.3	-0.198	0.7	3.87	1.30	5.2	1.20	102	14
NRF-9	05/13/98	0.02	0.2	0.197	0.5	4.61	1.50	0.812	0.49	45.4	13
NRF-9	08/05/98	0.01	0.2	-0.21	0.4	2.87	0.99	3.5	1.10		
NRF-9	11/03/98	0.09	0.2	0.115	0.4	2.93	1.20	4.18	0.87	97.2	13
NRF-9	02/11/99	0.04	0.2	-0.114	0.7	4.32	1.60	5.34	1.30	102.3	20
NRF-9	05/04/99	0.00	0.2	-0.236	0.6	2.64	1.90	3.51	1.00	124.75	30

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Well Number	Date Sampled	Sr-90	(2s) Total Error	Cs-137	(2s) Total Error	Gross Alpha (as Th-230)	(2s) Total Error	Gross Beta	(2s) Total Error	Tritium (H-3)	(2s) Total Error
NRF-9	07/28/99	0.12	0.3	0.593	0.7	5.24	2.70	3.19	1.10	96.51	13
NRF-9	11/02/99	-0.01	0.2	-0.357	0.7	3.27	1.60	5.04	1.50	80.09	11
NRF-9	02/01/00	0.15	0.2	0.101	0.8	3.55	1.65	4.2	1.33	90.04	25
NRF-9	05/02/00	-0.05	0.2	-0.348	0.7	3.58	1.70	0.853	1.30	83.44	24
	Mean	0.19	0.2	0.33	0.8	3.27	0.93	8.38	1.39	109.44	31.08
	Std. Dev.	0.20		0.65		1.08		14.97		27.10	
	Max	0.54		1.74		5.24		64.00		159.00	
	Min	-0.01		-0.36		1.26		0.81		45.40	
NRF-10											
NRF-10	05/08/96					1.7	1.78	2.57	3.70	140.8	26
NRF-10	06/12/96					1.92	2.01	7.5	3.56	137.6	26
NRF-10	09/04/96					5.13	3.05	8.82	3.78	144	26
NRF-10	01/30/97	-0.19	0.7	0	3.2	3.36	1.40	4.24	1.30	139	17
NRF-10	06/11/97	0.03	0.5	-0.221	3.1	1.7	0.95	2.68	11.00	184	220
NRF-10	09/04/97	0.19	0.3	0.75	1.4	2.32	1.30	2.43	1.40	104	14
NRF-10	11/18/97	0.00	0.3	0.6	0.7	2.71	1.60	3.66	1.20	103	14
NRF-10	02/10/98	0.25	0.4	-0.603	0.8	2.93	0.99	4.09	0.73	116	15
NRF-10	05/13/98	0.10	0.2	0.299	0.5	3.46	1.30	1.64	0.66	117	15
NRF-10	08/05/98			0.544	0.4	2.35	0.89	4.35	1.20		
NRF-10	11/03/98	0.01	0.2	0.304	0.4	3.52	1.30	4.89	0.89	123	15
NRF-10	02/11/99	0.26	0.2	-0.425	0.7	2.69	1.10	3.67	1.20	139.58	30
NRF-10	05/04/99	0.00	0.2	0.325	0.6	3.83	2.20	3.79	0.90	166.41	46
NRF-10	07/29/99	0.15	0.2	0.899	0.7	2.87	1.80	3.9	1.10	115.94	16
NRF-10	11/02/99	0.01	0.2	-0.0713	0.7	2.07	1.90	4	1.40	108.38	15
NRF-10	02/01/00	0.10	0.2	0.527	0.7	2.25	1.22	4.32	1.35	123.15	34
NRF-10	05/02/00	-0.01	0.2	0.314	0.6	2.71	1.30	4.77	1.80	115.59	32
	Mean	0.07	0.2	0.20	0.8	2.84	0.86	4.15	1.77	131.34	32.59
	Std. Dev.	0.13		0.47		0.92		1.86		23.61	
	Max	0.26		0.90		5.13		8.82		184.00	
	Min	-0.19		-0.60		1.70		1.64		103.00	
NRF-11	01/18/96					1.96	1.33	4.62	1.45	342.4	32
NRF-11	03/25/96					3.47	2.72	6.98	3.41	281.6	32
NRF-11	06/12/96					6.58	3.28	8.03	4.18	323.2	26
NRF-11	09/05/96					2.88	2.46	7.87	4.18	297.6	26
NRF-11	01/30/97	-0.16	0.5	1.2	2.9	2.11	1.40	5.96	1.90	296	30
NRF-11	06/11/97	0.06	0.5	2.51	3.1	1.55	0.97	4.83	1.20	218	220
NRF-11	09/04/97	0.52	0.4	0.916	1.4	2.4	1.30	3.59	1.20	183	20
NRF-11	11/19/97	0.14	0.2	-0.449	0.8	4.48	2.10	4.63	1.20	208	22
NRF-11	02/11/98	0.37	0.4	0.171	0.7	3.48	1.10	4.13	0.73	187	21
NRF-11	05/13/98	0.18	0.3	-0.231	0.5	2.8	1.10	0.815	0.54	179	20
NRF-11	08/05/98	0.00	0.2	0.179	0.4	2.82	1.00	2.78	0.90		
NRF-11	11/04/98	0.01	0.2	-0.384	0.4	3.36	1.30	4.57	1.10	143	17
NRF-11	02/11/99	0.08	0.2	-0.324	0.7	4.2	1.50	3.63	1.20	120.29	26
NRF-11	05/04/99	0.01	0.2	0.308	0.7	2.53	1.80	4.74	1.10	199.46	56
NRF-11	07/29/99	0.13	0.2	0.301	0.7	3.14	1.90	4.28	1.20	123.6	17
NRF-11	11/03/99	0.18	0.3	0.343	0.7	4.39	2.10	4.83	1.50	91.71	13
NRF-11	02/01/00	0.06	0.2	0.158	0.7	1.7	1.04	4.41	1.45	113.06	32
NRF-11	05/03/00	0.03	0.2	-0.0396	0.6	2.98	1.50	5.3	1.90	105.4	29
	Mean	0.13	0.2	0.38	0.7	3.26	0.95	4.77	1.05	212.92	32.44
	Std. Dev.	0.18		0.84		1.23		1.82		78.74	
	Max	0.52		2.51		6.58		8.03		342.40	
	Min	-0.16		-0.45		1.55		0.82		91.71	
NRF 12	01/22/96					3.93	2.34	4.32	1.39	67.2	26
NRF 12	03/20/96					1.37	2.27	7.53	3.85	41.6	26
NRF 12	06/12/96					2	2.10	10.1	4.66	54.4	26
NRF 12	09/05/96					3.32	2.67	9.3	4.09	76.8	26

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Well Number	Date Sampled	Sr-90	(2s) Total Error	Cs-137	(2s) Total Error	Gross Alpha (as Th-230)	(2s) Total Error	Gross Beta	(2s) Total Error	Tritium (H-3)	(2s) Total Error
NRF 12	01/30/97	2.26	3.9	-2.19	3.6	2.46	1.70	4.59	1.70	75.2	12
NRF-12	06/05/97	0.55	0.5	2.37	3.4	1.4	0.94	2.58	1.30		200
NRF-12	09/04/97	0.40	0.4	1.25	1.3	2.16	1.30	4.32	1.50	61.7	11
NRF-12	11/18/97	0.07	0.2	0.153	0.7	3.24	2.00	3.71	1.20	65.5	11
NRF-12	02/11/98	0.38	0.4	-0.413	0.7	2.9	1.20	4.2	0.82	54.8	10
NRF-12	05/13/98	-0.10	0.2	0.312	0.5	3.62	1.40	2.14	0.65	58	10
NRF-12	08/05/98	0.01	0.2	0.205	0.5	3.95	1.30	3.61	1.20		14
NRF-12	11/04/98	0.15	0.2	0.027	0.4	0.539	0.26	3.96	0.74	54.4	10
NRF-12	02/11/99	0.49	0.3	-0.159	0.7	4.4	1.30	4.19	0.90	75.58	14
NRF-12	05/05/99	0.01	0.2	-0.000732	0.7	1.43	1.60	5.03	1.20	67.15	14
NRF-12	07/29/99	0.11	0.2	0.145	0.7	1.6	1.60	3.45	1.20	69.31	10
NRF-12	11/03/99	0.21	0.3	0.901	0.7	-0.343	0.23	3.83	1.20	56.31	8
NRF 12	02/02/00	-0.01	0.2	-0.272	0.6	3.36	1.75	4.74	1.53	64.15	19
NRF-12	05/03/00	0.13	0.2	0.0644	0.6	2.63	1.40	4.72	1.70	60.8	18
	Mean	0.38	0.6	0.22	0.8	2.37	0.85	4.80	1.09	62.71	27.10
	Std. Dev.	0.63		1.07		1.34		2.24		10.08	
	Max	2.26		2.37		4.40		10.10		76.80	
	Min	-0.10		-2.19		-0.34		2.14		41.60	
NRF-13	01/22/96					2.62	1.60	6.2	1.58	48	26
NRF-13	03/20/96					2.1	2.16	12.7	3.90	41.6	26
NRF-13	06/13/96					3.99	2.42	9.75	3.77	28.8	26
NRF-13	09/05/96					2.09	2.24	13.5	4.32	48	26
NRF-13	02/03/97	0.04	0.2	-2.87	3.6	5.03	2.60	17	3.30	37.7	9
NRF-13	06/09/97	0.50	0.5	3.03	2.8	1.81	0.98	-2.62	4.10	23.6	21
NRF-13	09/05/97	0.21	0.3	-0.0763	1.3	1.35	0.63	3.71	1.20	36.8	9
NRF-13	11/19/97	-0.07	0.2	0.108	0.8	1.65	1.30	9.62	1.80	34.2	9
NRF-13	02/11/98	0.16	0.3	0.629	0.8	2.62	0.94	5.9	0.91	39.7	9
NRF-13	05/13/98	0.00	0.2	0.249	0.5	3.53	1.40	4.66	0.92	37.9	9
NRF-13	08/05/98			0.816	0.5	3.33	1.00	5.47	1.30		
NRF-13	11/04/98	-0.02	0.2	-0.126	0.4	0.321	0.24	5.59	0.89	40.9	9
NRF-13	02/11/99	0.01	0.2	0.0421	0.8	3.91	1.60	4.66	1.30	58.7	11
NRF 13	05/05/99	0.00	0.2	0.209	0.6	1.31	1.50	5.17	1.20	59.27	13
NRF 13	07/29/99	0.00	0.2	-0.0823	0.7	3.7	2.40	4.68	1.30	49.1	7
NRF 13	11/03/99	-0.13	0.2	0.435	0.8	3	2.30	6.06	1.60	37.66	6
NRF 13	02/02/00	-0.07	0.2	-0.0743	0.7	2.05	1.21	5.4	1.44	48.33	15
NRF 13	05/03/00	0.16	0.3	0.569	0.8	2.79	1.50	6.35	1.90	39.68	12
	Mean	0.06	0.1	0.20	0.7	2.65	0.88	7.00	1.23	41.46	14.19
	Std. Dev.	0.17		1.29		1.23		4.61		9.84	
	Max	0.50		3.03		5.03		17.00		59.27	
	Min	-0.13		-2.87		0.32		-2.62		23.60	
USGS-12	06/15/90										
USGS-12	08/06/90										
USGS-12	10/10/90										
USGS-12	12/11/90										
USGS-12	02/07/91										
USGS-12	04/11/91										
USGS-12	06/10/91										
USGS-12	09/06/91										
USGS-12	12/05/91										
USGS-12	03/12/92					2.61	0.43	2.89	0.47		
USGS-12	06/19/92					2.32	0.38	2.27	0.39		
USGS-12	09/18/92										
USGS-12	12/01/92										
USGS-12	04/13/93					2.29	0.87	2.09	0.81		
USGS-12	06/14/93					3.24	1.63	2.81	0.93		
USGS-12	09/16/93					3.85	1.99	2.85	0.87		
USGS-12	11/05/93					3.33	1.83	3.05	1.59		
USGS-12	03/11/94					3.25	1.70	2.16	0.75		

Appendix E, Table 5 - Radionuclide Concentrations 1989 to Present (pCi/L)

Well Number	Date Sampled	Sr-90	(2s) Total Error	Cs-137	(2s) Total Error	Gross Alpha (as Th-230)	(2s) Total Error	Gross Beta	(2s) Total Error	Tritium (H-3)	(2s) Total Error
USGS-12	06/10/94					3.33	1.74	2.63	0.87		
USGS-12	09/09/94					3.21	1.60	2.62	0.82	32	32
USGS-12	10/27/94					4.13	3.56	3.54	2.74	86.4	26
USGS-12	03/20/95					1.85	3.72	2.19	6.57		26
USGS-12	06/14/95					2.63	2.46	6.2	3.90	64	26
USGS-12	09/12/95					2.56	1.51	4.24	1.21	35	26
USGS-12	11/02/95					2.99	1.68	4.92	1.55	38	26
USGS-12	01/16/96					4.18	2.12	4.29	1.41	60.8	26
USGS-12	03/21/96					1.69	2.12	7.45	3.61	64	26
USGS-12	06/10/96					0.32	1.61	6.71	4.48	60.8	26
USGS-12	09/03/96					2.52	2.48	7.02	4.25	48	26
USGS-12	02/04/97	0.19	0.3	0.379	3.3	1.43	1.20	2.38	1.60	62.4	11
USGS-12	06/09/97	0.27	0.6	-4.59	3.7	0	0.16	1.2	1.00		13
USGS-12	09/03/97	0.29	0.3	1.01	1.4	1.21	1.00	1.79	1.20	51.3	10
USGS-12	11/18/97			0.515	1.1	3.01	1.60	2.77	0.98	63.2	11
USGS-12	02/11/98	0.03	0.4	-0.174	0.7	2.77	1.10	3.93	0.71	59.4	10
USGS-12	05/12/98	0.08	0.2	0.205	0.5	2.2	0.95	0.699	0.41	57.3	10
USGS-12	08/04/98	0.06	0.2	0.137	0.6	2.3	0.64	3.46	0.66		16
USGS-12	11/04/98	0.16	0.2	-0.00859	0.4	1.29	0.89	2.88	0.66	69.2	1
USGS-12	02/11/99	0.17	0.2	0.291	0.7	3.36	1.20	3.36	1.20	81.88	16
USGS 12	05/05/99	0.00	0.3	0.105	0.7	3.76	2.00	2.2	0.75		53
USGS 12	07/29/99	0.17	0.2	0.0098	0.7	1.71	1.30	3.31	0.92	74.94	11
USGS 12	11/03/99	-0.01	0.2	0.443	0.7	2.11	1.60	3.42	1.00	61.63	9
USGS 12	02/02/00	0.10	0.2	0.82	0.8	1.91	1.04	2.65	1.03	74.58	21
USGS 12	05/03/00	0.07	0.2	-0.0218	0.8	2.26	1.10	3.95	1.40	67.08	19
	Mean	0.13	0.2	-0.14	0.8	2.52	0.90	3.38	1.10	59.46	11.50
	Std. Dev.	0.10		1.43		1.03		1.65		14.65	
	Max	0.29		1.01		4.18		7.45		86.40	
	Min	-0.01		-4.59		0.00		0.70		32.00	
USGS-97	11/30/89										
USGS-97	03/19/90										
USGS-97	06/07/90										
USGS-97	08/01/90										
USGS-97	10/04/90										
USGS-97	12/07/90										
USGS-97	03/13/91										
USGS-97	06/07/91										
USGS-97	09/05/91										
USGS-97	12/03/91										
USGS-97	03/16/92					1.88	0.34	2.56	0.38		
USGS-97	06/17/92					1.32	0.31	2.8	0.45		
USGS-97	09/21/92										
USGS-97	12/08/92										
USGS-97	04/06/93					2.33	1.07	2.2	0.84		
USGS-97	06/09/93					4.19	1.99	2.08	0.81		
USGS-97	09/13/93					4.17	1.83	2.96	0.94		
USGS-97	11/04/93					1.7	1.31	3.14	0.87		
USGS-97	03/14/94					3.77	1.82	2.39	0.79		
USGS-97	06/09/94					3.78	1.91	2.89	0.91		
USGS-97	09/08/94					3.91	1.93	2.89	0.84	92.8	32
USGS-97	11/10/94					7.84	6.28	9.03	6.92	105.6	32
USGS-97	03/16/95					1.65	2.18	6	3.96	70	32
USGS-97	06/13/95					4.86	3.01	6.72	3.93	61	26
USGS-97	09/11/95					1.98	1.34	4.16	1.21	80	26
USGS-97	11/06/95					2.43	1.50	3.17	1.03	35	26
USGS-97	01/17/96					3.74	2.01	3.23	1.18	73.6	26
USGS-97	03/25/96					2.07	2.33	6.47	3.34	19.2	26
USGS-97	06/11/96					3.81	2.65	6.97	4.50	51.2	26
USGS-97	09/04/96					3.29	2.64	7.26	3.49	60.8	26
USGS-97	02/03/97	0.30	0.3	4.3	12.0	2.12	1.30	1.19	1.50	52.5	10

Appendix E, Table 5 - Radionuclide Concentrations 1989 to Present (pCi/L)

Well Number	Date Sampled	Sr-90	(2s) Total Error	Cs-137	(2s) Total Error	Gross Alpha (as Th-230)	(2s) Total Error	Gross Beta	(2s) Total Error	Tritium (H-3)	(2s) Total Error
USGS-97	06/10/97	0.76	0.5	-0.479	3.1	2.01	0.98	2.11	2.20	36.9	21
USGS-97	09/03/97	0.34	0.3	-0.485	1.3	2.25	1.30	3.38	1.30	52	10
USGS-97	11/18/97	0.04	0.2	0.224	0.7	1.82	1.30	3.45	1.10	52	10
USGS-97	02/10/98	0.12	0.3	-0.201	0.7	2.18	0.98	3.43	0.79	40.1	9
USGS-97	05/12/98	0.05	0.2	-0.184	0.5	3.25	1.30	0.776	0.43	42.7	9
USGS-97	08/04/98	0.00	0.2	0.536	0.4	2.61	0.92	4.58	1.20	43.4	10
USGS-97	11/03/98	0.20	0.3	0.511	0.6	1.72	0.93	4.05	1.00	51.9	10
USGS-97	02/09/99	0.22	0.2	0.039	0.7	2.75	1.20	3.49	1.20	63.92	12
USGS 97	05/04/99	0.00	0.2	0.244	0.7	3.95	2.20	4.06	1.00	79.89	19
USGS 97	07/28/99	0.00	0.2	-0.361	0.7	3.06	1.90	3.96	1.10	56.31	8
USGS 97	11/02/99	-0.04	0.2	0.437	0.8	1.68	1.70	2.54	1.10	44.35	6
USGS 97	02/01/00	0.07	0.2	-0.0727	0.6	2.65	1.26	3.04	1.14	54.37	16
USGS 97	05/02/00	0.08	0.2	0.214	0.7	3	1.50	3.99	1.70	49.06	14
	Mean	0.17	0.1	0.38	1.9	2.94	1.04	3.80	1.14	57.51	10.56
	Std. Dev.	0.22		1.29		1.34		1.91		20.11	
	Max	0.76		4.30		7.84		9.03		105.60	
	Min	-0.04		-0.49		1.32		0.78		19.20	
USGS-98	11/29/89										
USGS-98	03/19/90										
USGS-98	06/05/90										
USGS-98	07/30/90										
USGS-98	10/03/90										
USGS-98	12/07/90										
USGS-98	03/13/91										
USGS-98	06/07/91										
USGS-98	09/05/91										
USGS-98	12/03/91										
USGS-98	03/16/92					2.19	0.39	2.13	0.46		
USGS-98	06/17/92					1.67	0.36	2.04	0.36		
USGS-98	09/21/92										
USGS-98	12/08/92										
USGS-98	04/06/93					1.52	0.65	2.19	0.98		
USGS-98	06/08/93					2.2	1.24	2.13	0.71		
USGS-98	09/13/93										
USGS-98	11/02/93										
USGS-98	03/14/94					2.24	1.13	2.39	0.73		
USGS-98	06/09/94					3.04	1.54	2.11	0.70		
USGS-98	09/08/94					2.27	1.31	2.84	0.79	51.2	32
USGS-98	11/09/94					2.88	2.20	1.71	4.62	9.6	19
USGS-98	03/15/95					-0.152	1.59	0.897	3.82	38	26
USGS-98	06/12/95					2.18	2.03	5.09	3.28	26	26
USGS-98	09/11/95					2.25	1.16	2.31	0.98	26	26
USGS-98	11/06/95					1.46	1.08	2.78	0.98	26	26
USGS-98	01/17/96					2.15	1.34	3.23	0.96	16	26
USGS-98	03/21/96					1.17	1.94	7.1	2.99	6.4	26
USGS-98	06/11/96					1.57	1.84	7.12	3.30	9.6	26
USGS-98	09/04/96					3.66	2.52	7.85	3.12	19.2	26
USGS-98	02/04/97	0.08	0.3	2.46	3.0	1.22	0.96	3.63	1.70	21.6	8
USGS-98	06/10/97	0.39	0.5	2.36	3.1	1.7	0.82	2.84	1.80	22.5	21
USGS-98	09/03/97	0.36	0.5	-0.51	1.5	1.14	0.85	3.21	1.20	16.3	7
USGS-98	11/18/97			-0.029	0.7	2.22	1.20	2.9	0.96	19.7	8
USGS-98	02/10/98	0.24	0.5	-0.49	0.8	1.55	0.73	2.62	0.57	16.2	7
USGS-98	05/12/98	0.09	0.2	-0.013	0.5	2.03	0.85	2.9	0.62	14.5	7
USGS-98	08/04/98	0.10	0.3	0.145	0.5	0.668	0.81	2.43	0.64		
USGS-98	11/03/98	0.05	0.2	0.0725	0.4	1.91	0.85	3.22	0.77	21.3	8
USGS-98	02/09/99	0.17	0.2	0.0685	0.8	2.34	0.95	2.52	0.90	26.74	5
USGS 98	05/04/99	0.01	0.2	-0.435	0.8	2.19	1.40	3.36	0.82	29.41	6
USGS 98	07/28/99	0.09	0.2	-0.104	0.7	2.14	1.40	1.82	0.78	27.35	4
USGS 98	11/02/99	0.31	0.3	-0.166	0.7	1.15	1.20	2.88	0.97	10.77	2
USGS 98	02/01/00	-0.05	0.2	-0.00596	0.6	1.76	0.92	2.39	0.96	18.83	7

Appendix E, Table 5 - Radionuclide Concentrations 1989 to Present (pCi/L)

Well Number	Date Sampled	Sr-90	(2s) Total Error	Cs-137	(2s) Total Error	Gross Alpha (as Th-230)	(2s) Total Error	Gross Beta	(2s) Total Error	Tritium (H-3)	(2s) Total Error
USGS 98	05/02/00	0.13	0.2	-0.387	0.7	1.68	0.90	4.86	1.50	19.06	7
	Mean	0.17	0.2	0.28	0.8	1.88	0.68	3.15	0.94	21.64	9.68
	Std. Dev.	0.13		1.02		0.75		1.66		10.27	
	Max	0.39		2.46		3.66		7.85		51.20	
	Min	0.01		-0.51		-0.15		0.90		6.40	
USGS-99	11/30/89										
USGS-99	03/20/90										
USGS-99	06/05/90										
USGS-99	08/01/90										
USGS-99	10/03/90										
USGS-99	12/10/90										
USGS-99	03/13/91										
USGS-99	06/07/91										
USGS-99	09/05/91										
USGS-99	12/03/91										
USGS-99	03/16/92					1.97	0.36	1.83	0.34		
USGS-99	06/16/92					1.17	0.29	2.14	0.35		
USGS-99	09/21/92										
USGS-99	12/08/92										
USGS-99	04/06/93					2.15	0.80	1.83	0.73		
USGS-99	06/09/93					2.08	1.35	2.4	0.77		
USGS-99	09/13/93					2.43	1.42	2.64	0.80		
USGS-99	11/02/93					2.85	1.54	2.33	0.80		
USGS-99	03/14/94					4.14	1.89	1.86	0.70		
USGS-99	06/09/94					2.2	1.36	2.24	0.78		
USGS-99	09/07/94					2.59	1.51	2.12	0.73	32	26
USGS-99	11/09/94					7.15	4.34	9.65	5.52	38.4	26
USGS-99	03/15/95					5.27	3.28	5.4	4.15	38	26
USGS-99	06/12/95					2.15	2.19	3.94	3.42	35	26
USGS-99	09/11/95					2.1	1.45	2.45	0.99	45	26
USGS-99	11/06/95					0.501	0.63	2.45	0.89	26	26
USGS-99	01/17/96					2.02	1.36	2.7	1.06	35.2	26
USGS-99	03/25/96					2.3	2.36	6.55	3.26	12.8	26
USGS-99	06/11/96					0.833	1.67	7.56	3.12	19.2	26
USGS-99	09/04/96					2.89	2.46	7.85	3.49	32	26
USGS-99	02/04/97	0.17	0.3	-3.85	3.3	1.48	1.10	3.25	1.70	33.8	9
USGS-99	06/10/97	0.19	0.6	6.21	3.0	2.25	1.00	1.24	1.70	42	210
USGS-99	09/03/97	0.26	0.3	-0.42	1.4	2.1	1.10	2.09	1.10	22	8
USGS-99	11/18/97	0.02	0.2	0.291	0.8	1.81	0.80	2.42	0.88	27.6	8
USGS-99	02/10/98	0.21	0.4	-0.462	0.7	2.56	0.99	2.78	0.65	26.2	8
USGS-99	05/12/98	-0.06	0.2	0.155	0.5	3.42	1.30	3.3	0.79	25.9	8
USGS-99	08/04/98	0.08	0.2	-0.0464	0.4	1.45	0.74	3.14	1.00	33.3	9
USGS-99	11/03/98	-0.07	0.2	-0.11	0.4	2.2	9.80	2.71	0.61	34.7	8
USGS-99	02/09/99	-0.04	0.2	-0.61	0.7	2.64	1.10	2.41	0.82	38.13	7
USGS 99	05/04/99	0.17	0.2	0.746	0.7	2.95	1.80	2.72	0.83	40.16	8
USGS 99	07/28/99	-0.08	0.2	-0.528	0.7	3.23	1.80	2.79	1.00	36.78	5
USGS 99	11/02/99	-0.05	0.2	0.407	0.7	4.05	2.40	2.99	1.20	22.99	3
USGS 99	02/01/00	0.17	0.2	0.785	0.7	2.43	1.38	2.91	1.17	28.03	9
USGS 99	05/02/00	-0.11	0.3	0.402	0.7	1.39	0.96	3.97	1.50	30.37	9
	Mean	0.07	0.1	0.15	0.8	2.56	1.26	3.33	0.99	31.69	24.71
	Std. Dev.	0.13		2.24		1.30		2.01		7.99	
	Max	0.26		6.21		7.15		9.65		45.00	
	Min	-0.08		-3.85		0.50		1.24		12.80	
USGS-102	06/08/90										
USGS-102	08/01/90										
USGS-102	10/04/90										
USGS-102	12/10/90										
USGS-102	02/07/91										

Appendix E, Table 5 - Radionuclide Concentrations 1989 to Present (pCi/L)

Well Number	Date Sampled	Sr-90	(2s) Total Error	Cs-137	(2s) Total Error	Gross Alpha (as Th-230)	(2s) Total Error	Gross Beta	(2s) Total Error	Tritium (H-3)	(2s) Total Error
USGS-102	04/11/91										
USGS-102	06/07/91										
USGS-102	09/05/91										
USGS-102	12/03/91										
USGS-102	03/16/92			2.62	0.4	2.62	0.40	2.48	0.44	666	
USGS-102	06/11/92			1.47	0.3	1.47	0.33	2.36	0.43		
USGS-102	09/16/92										
USGS-102	12/09/92										
USGS-102	04/06/93					2.71	0.98	2.49	0.85		
USGS-102	06/09/93					2.53	1.52	2.73	0.85		
USGS-102	09/13/93					3.89	2.00	2.57	0.84		
USGS-102	11/04/93					2.26	1.42	3.06	0.96		
USGS-102	03/10/94					4.9	2.13	2.4	0.78		
USGS-102	06/09/94					2.02	1.56	2.88	0.98		
USGS-102	09/08/94					4.23	2.00	2.8	0.83	70.4	32
USGS-102	11/08/94					8.64	5.64	8.51	5.54	83.2	32
USGS-102	03/16/95					3.1	3.74	6.13	4.55	61	19
USGS-102	06/13/95					2.78	2.42	5.18	3.65	48	26
USGS-102	09/13/95					2.19	1.36	3.34	1.11	35	26
USGS-102	11/07/95					2.86	1.70	4.01	1.17	26	26
USGS-102	01/18/96					2.37	1.49	3.94	1.26	60.8	26
USGS-102	03/19/96					3.95	2.80	9.09	3.95	48	26
USGS-102	06/11/96					3.43	2.51	8.14	3.59	48	26
USGS-102	09/04/96					3.83	2.77	9.78	3.99	54.4	26
USGS-102	02/03/97	0.22	0.3	1.79	3.6	1.58	0.93	4.41	1.80	56.6	10
USGS-102	06/09/97	0.31	0.5	1.09	3.0	2.26	1.00	5.62	3.20	37.4	210
USGS-102	09/03/97	0.22	0.4	1.15	1.3	1.54	1.20	2.95	1.30	53	10
USGS-102	11/17/97	0.07	0.3	0.372	0.8	2.84	1.50	3.36	1.10	60.4	11
USGS-102	02/09/98	0.02	0.3	0.572	0.7	3.1	1.20	4.08	0.82	62.6	10
USGS-102	05/11/98	0.01	0.2	-0.107	0.5	4.22	1.40	0.839	0.55	39.2	9
USGS-102	08/03/98	0.20	0.3	0.223	0.4	3.28	1.00	3.87	1.20		
USGS-102	11/02/98	0.19	0.2	0.22	0.5	2.51	1.00	3.14	0.89	49.4	9
USGS-102	02/09/99	0.15	0.2	0.347	0.7	1.79	1.00	3.81	1.00	66.39	13
USGS-102	05/03/99	0.24	0.2	-0.525	0.8	2.26	1.60	4.04	0.98	95.23	23
USGS-102	07/27/99	0.08	0.3	0.341	0.7	3.73	2.10	2.18	1.00	60.29	9
USGS-102	11/01/99	-0.01	0.3	0.0421	0.8	3.4	2.20	2.42	0.98	46.82	7
USGS-102	01/31/00	0.15	0.2	0.269	0.8	1.77	1.05	3.38	1.20	58.4	17
USGS-102	05/01/00	0.02	0.2	-0.251	0.7	2.71	1.40	4.7	1.80	55.59	16
	Mean	0.14	0.2	0.69	0.7	3.08	1.04	4.09	1.11	83.10	25.61
	Std. Dev.	0.10		0.84		1.36		2.20		131.11	
	Max	0.31		2.62		8.64		9.78		666.00	
	Min	-0.01		-0.53		1.47		0.84		26.00	