

TABLE C-1. Weekly Gross Alpha and Gross Beta Concentrations in Air

Sampling Group and Location	Sampling Date	GROSS ALPHA					GROSS BETA				
		Result ± 1s Uncertainty (x 10 ⁻¹⁵ µCi/mL)		Result ± 1s Uncertainty (x 10 ⁻¹¹ Bq/mL)		Result > 3s	Result ± 1s Uncertainty (x 10 ⁻¹⁵ µCi/mL)		Result ± 1s Uncertainty (x 10 ⁻¹¹ Bq/mL)		Result > 3s
ARCO	04/04/2007	1.52 ± 0.29	5.62 ± 1.08	Y	25.80 ± 0.93	95.46 ± 3.45	Y				
	04/11/2007	1.47 ± 0.30	5.44 ± 1.12	Y	19.40 ± 0.88	71.78 ± 3.27	Y				
	04/18/2007	1.52 ± 0.22	5.62 ± 0.80	Y	19.20 ± 0.69	71.04 ± 2.56	Y				
	04/25/2007	1.03 ± 0.18	3.81 ± 0.67	Y	16.00 ± 0.63	59.20 ± 2.33	Y				
	05/02/2007	1.80 ± 0.26	6.66 ± 0.94	Y	25.70 ± 0.85	95.09 ± 3.16	Y				
	05/09/2007	0.78 ± 0.18	2.89 ± 0.68	Y	15.30 ± 0.68	56.61 ± 2.52	Y				
	05/16/2007	2.75 ± 0.36	10.18 ± 1.34	Y	38.80 ± 1.15	143.56 ± 4.26	Y				
	05/23/2007	2.14 ± 0.35	7.92 ± 1.30	Y	32.10 ± 1.14	118.77 ± 4.22	Y				
	05/30/2007	1.19 ± 0.29	4.40 ± 1.07	Y	22.40 ± 0.95	82.88 ± 3.50	Y				
	06/06/2007	1.55 ± 0.31	5.74 ± 1.14	Y	32.70 ± 1.11	120.99 ± 4.11	Y				
	06/13/2007	0.75 ± 0.24	2.77 ± 0.90	Y	15.20 ± 0.79	56.24 ± 2.92	Y				
	06/20/2007	1.47 ± 0.28	5.44 ± 1.02	Y	20.50 ± 0.88	75.85 ± 3.26	Y				
	06/27/2007	2.19 ± 0.36	8.10 ± 1.34	Y	29.70 ± 1.12	109.89 ± 4.14	Y				
ATOMIC CITY	04/04/2007	0.92 ± 0.24	3.40 ± 0.90	Y	23.60 ± 0.86	87.32 ± 3.17	Y				
	04/11/2007	1.50 ± 0.52	5.55 ± 1.91	Y	25.80 ± 1.54	95.46 ± 5.70	Y				
	04/18/2007	0.81 ± 0.21	2.98 ± 0.78	Y	19.60 ± 0.74	72.52 ± 2.75	Y				
	04/25/2007	1.48 ± 0.25	5.48 ± 0.93	Y	15.20 ± 0.77	56.24 ± 2.85	Y				
	05/02/2007	1.88 ± 0.28	6.96 ± 1.04	Y	29.50 ± 0.97	109.15 ± 3.59	Y				
	05/09/2007	1.13 ± 0.42	4.18 ± 1.55	Y	13.90 ± 1.45	51.43 ± 5.37	Y				
	05/16/2007	3.29 ± 0.37	12.17 ± 1.37	Y	39.30 ± 1.10	145.41 ± 4.07	Y				
	05/23/2007	1.81 ± 0.42	6.70 ± 1.57	Y	32.10 ± 1.41	118.77 ± 5.22	Y				
	05/30/2007	1.49 ± 0.33	5.51 ± 1.20	Y	25.20 ± 1.04	93.24 ± 3.85	Y				
	06/06/2007	1.53 ± 0.36	5.66 ± 1.33	Y	34.90 ± 1.31	129.13 ± 4.85	Y				
	06/13/2007	0.57 ± 0.23	2.12 ± 0.86	Y	16.10 ± 0.80	59.57 ± 2.97	Y				
	06/20/2007	1.19 ± 0.34	4.40 ± 1.25	Y	22.40 ± 1.15	82.88 ± 4.26	Y				
	06/27/2007	1.65 ± 0.34	6.11 ± 1.25	Y	34.30 ± 1.18	126.91 ± 4.37	Y				
BLUE DOME	04/04/2007	1.43 ± 0.27	5.29 ± 1.01	Y	21.20 ± 0.84	78.44 ± 3.10	Y				
	04/11/2007	0.74 ± 0.30	2.73 ± 1.09	Y	19.60 ± 0.98	72.52 ± 3.61	Y				
	04/18/2007	0.57 ± 0.20	2.11 ± 0.73	Y	16.50 ± 0.70	61.05 ± 2.60	Y				
	04/25/2007	0.86 ± 0.18	3.18 ± 0.65	Y	16.00 ± 0.65	59.20 ± 2.42	Y				
	05/02/2007	3.16 ± 1.38	11.69 ± 5.11	Y	22.50 ± 4.74	83.25 ± 17.54	Y				
	05/09/2007	0.99 ± 0.20	3.66 ± 0.75	Y	13.60 ± 0.68	50.32 ± 2.53	Y				
	05/16/2007	3.09 ± 0.62	11.43 ± 2.29	Y	32.60 ± 0.93	120.62 ± 3.44	Y				
	05/23/2007	1.84 ± 0.37	6.81 ± 1.38	Y	24.10 ± 1.15	89.17 ± 4.26	Y				
	05/30/2007	0.86 ± 0.24	3.18 ± 0.89	Y	20.00 ± 0.83	74.00 ± 3.05	Y				
	06/06/2007	1.33 ± 0.26	4.92 ± 0.94	Y	26.90 ± 0.91	99.53 ± 3.36	Y				
	06/13/2007	0.40 ± 0.27	1.46 ± 0.98	Y	19.40 ± 0.98	71.78 ± 3.61	Y				
	06/20/2007	1.44 ± 0.32	5.33 ± 1.17	Y	17.20 ± 0.96	63.64 ± 3.56	Y				
	06/27/2007	1.64 ± 0.30	6.07 ± 1.11	Y	28.20 ± 1.00	104.34 ± 3.69	Y				
FAA TOWER	04/04/2007	1.62 ± 0.38	5.99 ± 1.41	Y	24.40 ± 1.15	90.28 ± 4.26	Y				
	04/11/2007	1.05 ± 0.28	3.89 ± 1.03	Y	18.70 ± 0.87	69.19 ± 3.21	Y				
	04/18/2007	0.56 ± 0.29	2.05 ± 1.09	Y	19.10 ± 1.02	70.67 ± 3.77	Y				
	04/25/2007	0.93 ± 0.20	3.43 ± 0.72	Y	14.50 ± 0.69	53.65 ± 2.55	Y				
	05/02/2007	1.79 ± 0.28	6.62 ± 1.04	Y	26.10 ± 0.96	96.57 ± 3.53	Y				
	05/09/2007	1.18 ± 0.23	4.37 ± 0.85	Y	15.30 ± 0.76	56.61 ± 2.80	Y				
	05/16/2007	2.53 ± 0.43	9.36 ± 1.59	Y	36.60 ± 1.39	135.42 ± 5.14	Y				
	05/23/2007	2.13 ± 0.43	7.88 ± 1.58	Y	28.60 ± 1.33	105.82 ± 4.92	Y				
	05/30/2007	1.50 ± 0.35	5.55 ± 1.30	Y	25.10 ± 1.12	92.87 ± 4.14	Y				
	06/06/2007	1.56 ± 0.30	5.77 ± 1.11	Y	32.50 ± 1.08	120.25 ± 4.00	Y				
	06/13/2007	0.00 ± 0.00	0.00 ± 0.00	Y	0.00 ± 0.00	0.00 ± 0.00	Y				
	06/20/2007	2.51 ± 0.67	9.29 ± 2.48	Y	47.80 ± 2.30	176.86 ± 8.51	Y				
	06/27/2007	1.51 ± 0.38	5.59 ± 1.39	Y	33.00 ± 1.31	122.10 ± 4.85	Y				
HOWE	04/04/2007	2.01 ± 0.29	7.44 ± 1.07	Y	28.40 ± 0.89	105.08 ± 3.28	Y				

TABLE C-1. Weekly Gross Alpha and Gross Beta Concentrations in Air

Sampling Group and Location	Sampling Date	GROSS ALPHA						GROSS BETA					
		Result ± 1s Uncertainty (x 10 ⁻¹⁵ µCi/mL)		Result ± 1s Uncertainty (x 10 ⁻¹¹ Bq/mL)		Result > 3s	Result ± 1s Uncertainty (x 10 ⁻¹⁵ µCi/mL)		Result ± 1s Uncertainty (x 10 ⁻¹¹ Bq/mL)		Result > 3s		
	04/11/2007	0.91	± 0.28	3.37	± 1.04	Y	19.60	± 0.91	72.52	± 3.36	Y		
	04/18/2007	1.45	± 0.25	5.37	± 0.92	Y	20.30	± 0.76	75.11	± 2.80	Y		
	04/25/2007	0.94	± 0.19	3.48	± 0.70	Y	16.10	± 0.68	59.57	± 2.52	Y		
	05/02/2007	1.78	± 0.24	6.59	± 0.87	Y	29.10	± 0.82	107.67	± 3.04	Y		
	05/09/2007	1.17	± 0.22	4.33	± 0.81	Y	14.30	± 0.70	52.91	± 2.60	Y		
	05/16/2007	2.88	± 0.30	10.66	± 1.11	Y	38.20	± 0.93	141.34	± 3.44	Y		
	05/23/2007	2.10	± 0.31	7.77	± 1.15	Y	29.30	± 0.99	108.41	± 3.66	Y		
	05/30/2007	1.14	± 0.27	4.22	± 0.98	Y	21.90	± 0.88	81.03	± 3.24	Y		
	06/06/2007	0.94	± 0.26	3.47	± 0.97	Y	22.60	± 0.95	83.62	± 3.53	Y		
	06/13/2007	0.49	± 0.26	1.79	± 0.96		13.80	± 0.86	51.06	± 3.19	Y		
	06/20/2007	1.04	± 0.24	3.85	± 0.89	Y	21.90	± 0.86	81.03	± 3.17	Y		
	06/27/2007	1.42	± 0.28	5.25	± 1.02	Y	28.60	± 0.96	105.82	± 3.54	Y		
MONTEVIEW	04/04/2007	1.77	± 0.27	6.55	± 0.99	Y	27.20	± 0.85	100.64	± 3.13	Y		
	04/11/2007	1.26	± 0.29	4.66	± 1.08	Y	18.40	± 0.87	68.08	± 3.22	Y		
	04/18/2007	1.18	± 0.25	4.37	± 0.92	Y	21.20	± 0.81	78.44	± 3.01	Y		
	04/25/2007	2.19	± 0.29	8.10	± 1.08	Y	17.90	± 0.81	66.23	± 3.01	Y		
	05/02/2007	2.28	± 0.25	8.44	± 0.94	Y	26.50	± 0.78	98.05	± 2.87	Y		
	05/09/2007	0.86	± 0.19	3.17	± 0.70	Y	15.30	± 0.68	56.61	± 2.52	Y		
	05/16/2007	3.01	± 0.29	11.14	± 1.09	Y	33.50	± 0.85	123.95	± 3.16	Y		
	05/23/2007	2.34	± 0.34	8.66	± 1.26	Y	28.00	± 1.03	103.60	± 3.81	Y		
	05/30/2007	1.40	± 0.28	5.18	± 1.04	Y	22.80	± 0.89	84.36	± 3.30	Y		
	06/06/2007	1.57	± 0.29	5.81	± 1.07	Y	32.10	± 1.04	118.77	± 3.85	Y		
	06/13/2007	0.92	± 0.23	3.42	± 0.84	Y	18.20	± 0.76	67.34	± 2.81	Y		
	06/20/2007	1.88	± 0.33	6.96	± 1.21	Y	23.80	± 1.02	88.06	± 3.77	Y		
	06/27/2007	2.12	± 0.30	7.84	± 1.12	Y	31.10	± 0.97	115.07	± 3.58	Y		
MUD LAKE	04/04/2007	1.27	± 0.29	4.70	± 1.09	Y	26.10	± 0.98	96.57	± 3.63	Y		
	04/11/2007	0.82	± 0.27	3.05	± 0.98	Y	19.60	± 0.88	72.52	± 3.24	Y		
	04/18/2007	2.95	± 0.39	10.92	± 1.45	Y	18.20	± 0.93	67.34	± 3.46	Y		
	04/25/2007	0.93	± 0.22	3.43	± 0.81	Y	16.40	± 0.81	60.68	± 2.99	Y		
	05/02/2007	1.48	± 0.22	5.48	± 0.83	Y	28.50	± 0.83	105.45	± 3.06	Y		
a	05/09/2007	0.85	± 0.35	3.13	± 1.30		17.00	± 1.33	62.90	± 4.92	Y		
	05/16/2007	2.52	± 0.30	9.32	± 1.10	Y	36.30	± 0.95	134.31	± 3.51	Y		
	05/23/2007	2.36	± 0.34	8.73	± 1.26	Y	31.30	± 1.06	115.81	± 3.92	Y		
	05/30/2007	1.45	± 0.29	5.37	± 1.09	Y	23.20	± 0.93	85.84	± 3.44	Y		
	06/06/2007	1.90	± 0.32	7.03	± 1.17	Y	35.20	± 1.11	130.24	± 4.11	Y		
	06/13/2007	1.37	± 0.28	5.07	± 1.02	Y	19.30	± 0.84	71.41	± 3.12	Y		
	06/20/2007	1.72	± 0.36	6.36	± 1.33	Y	23.10	± 1.13	85.47	± 4.18	Y		
	06/27/2007	1.59	± 0.30	5.88	± 1.11	Y	29.90	± 1.02	110.63	± 3.77	Y		
QA-2	04/04/2007	2.10	± 0.31	7.77	± 1.15	Y	27.70	± 0.93	102.49	± 3.45	Y		
	04/11/2007	1.97	± 0.34	7.29	± 1.26	Y	17.70	± 0.89	65.49	± 3.30	Y		
	04/18/2007	3.06	± 0.48	11.32	± 1.76	Y	20.10	± 1.17	74.37	± 4.33	Y		
	04/25/2007	0.81	± 0.17	3.01	± 0.61	Y	16.70	± 0.63	61.79	± 2.33	Y		
	05/02/2007	2.28	± 0.30	8.44	± 1.09	Y	28.90	± 0.94	106.93	± 3.48	Y		
	05/09/2007	1.72	± 0.23	6.36	± 0.87	Y	15.80	± 0.67	58.46	± 2.48	Y		
	05/16/2007	3.04	± 0.34	11.25	± 1.27	Y	35.70	± 1.02	132.09	± 3.77	Y		
	05/23/2007	2.40	± 0.34	8.88	± 1.25	Y	30.40	± 1.04	112.48	± 3.85	Y		
	05/30/2007	1.96	± 0.37	7.25	± 1.35	Y	22.90	± 1.06	84.73	± 3.92	Y		
	06/06/2007	1.54	± 0.27	5.70	± 1.00	Y	32.70	± 0.99	120.99	± 3.65	Y		
	06/13/2007	0.68	± 0.25	2.52	± 0.93		18.30	± 0.87	67.71	± 3.20	Y		
	06/20/2007	1.73	± 0.35	6.40	± 1.31	Y	22.20	± 1.10	82.14	± 4.07	Y		
	06/27/2007	2.02	± 0.34	7.47	± 1.24	Y	32.90	± 1.10	121.73	± 4.07	Y		
DISTANT													
BLACKFOOT CMS	04/04/2007	1.55	± 0.26	5.74	± 0.96	Y	24.30	± 0.82	89.91	± 3.02	Y		
	04/11/2007	1.20	± 0.24	4.44	± 0.90	Y	22.00	± 0.79	81.40	± 2.91	Y		
	04/18/2007	1.06	± 0.23	3.92	± 0.86	Y	18.20	± 0.75	67.34	± 2.76	Y		

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		Result ± 1s Uncertainty (x 10 ⁻¹⁵ µCi/mL)		Result ± 1s Uncertainty (x 10 ⁻¹¹ Bq/mL)		Result > 3s	Result ± 1s Uncertainty (x 10 ⁻¹⁵ µCi/mL)		Result ± 1s Uncertainty (x 10 ⁻¹¹ Bq/mL)		Result > 3s		
	04/25/2007	0.94 ± 0.16	3.48 ± 0.58	Y	13.70 ± 0.54	50.69 ± 1.99	Y						
	05/02/2007	1.65 ± 0.22	6.11 ± 0.80	Y	29.10 ± 0.78	107.67 ± 2.87	Y						
	05/09/2007	1.26 ± 0.18	4.66 ± 0.67	Y	15.80 ± 0.57	58.46 ± 2.11	Y						
	05/16/2007	3.28 ± 0.31	12.14 ± 1.16	Y	35.90 ± 0.90	132.83 ± 3.33	Y						
	05/23/2007	2.72 ± 0.50	10.06 ± 1.85	Y	27.90 ± 1.45	103.23 ± 5.37	Y						
	05/30/2007	1.21 ± 0.25	4.48 ± 0.93	Y	23.10 ± 0.84	85.47 ± 3.10	Y						
	06/06/2007	1.86 ± 0.28	6.88 ± 1.04	Y	34.00 ± 0.98	125.80 ± 3.63	Y						
	06/13/2007	0.76 ± 0.23	2.81 ± 0.84	Y	18.70 ± 0.79	69.19 ± 2.90	Y						
	06/20/2007	1.76 ± 0.27	6.51 ± 1.00	Y	21.90 ± 0.84	81.03 ± 3.09	Y						
	06/27/2007	1.82 ± 0.29	6.73 ± 1.08	Y	30.70 ± 0.97	113.59 ± 3.60	Y						
CRATERS OF THE MOON	04/04/2007	1.25 ± 0.28	4.63 ± 1.02	Y	25.00 ± 0.92	92.50 ± 3.39	Y						
	04/11/2007	0.53 ± 0.25	1.98 ± 0.92		17.60 ± 0.85	65.12 ± 3.14	Y						
	04/18/2007	0.69 ± 0.25	2.56 ± 0.93		18.80 ± 0.87	69.56 ± 3.22	Y						
	04/25/2007	0.75 ± 0.18	2.78 ± 0.66	Y	15.10 ± 0.68	55.87 ± 2.51	Y						
	05/02/2007	1.88 ± 0.27	6.96 ± 1.01	Y	29.00 ± 0.94	107.30 ± 3.47	Y						
	05/09/2007	1.28 ± 0.21	4.74 ± 0.79	Y	15.80 ± 0.68	58.46 ± 2.51	Y						
	05/16/2007	3.02 ± 0.36	11.17 ± 1.34	Y	38.90 ± 1.12	143.93 ± 4.14	Y						
	05/23/2007	2.26 ± 0.39	8.36 ± 1.43	Y	27.60 ± 1.17	102.12 ± 4.33	Y						
	05/30/2007	1.04 ± 0.29	3.85 ± 1.08	Y	22.20 ± 0.98	82.14 ± 3.63	Y						
	06/06/2007	1.15 ± 0.29	4.26 ± 1.05	Y	30.30 ± 1.08	112.11 ± 4.00	Y						
	06/13/2007	0.89 ± 0.32	3.29 ± 1.19		18.30 ± 1.04	67.71 ± 3.85	Y						
	06/20/2007	0.68 ± 0.25	2.52 ± 0.94		18.70 ± 0.93	69.19 ± 3.46	Y						
	06/27/2007	2.03 ± 0.35	7.51 ± 1.30	Y	27.70 ± 1.09	102.49 ± 4.03	Y						
DUBOIS	04/04/2007	1.64 ± 0.27	6.07 ± 1.01	Y	22.90 ± 0.83	84.73 ± 3.08	Y						
a	04/11/2007	0.83 ± 0.78	3.06 ± 2.88		24.50 ± 2.34	90.65 ± 8.66	Y						
	04/18/2007	1.79 ± 0.29	6.62 ± 1.08	Y	17.20 ± 0.80	63.64 ± 2.94	Y						
a	04/25/2007	0.70 ± 0.57	2.59 ± 2.09		6.71 ± 2.12	24.83 ± 7.84	Y						
a	05/02/2007	5.00 ± 2.47	18.50 ± 9.14		24.80 ± 8.45	91.76 ± 31.27							
	05/09/2007	1.49 ± 0.28	5.51 ± 1.04	Y	15.00 ± 0.86	55.50 ± 3.18	Y						
	05/16/2007	3.00 ± 0.31	11.10 ± 1.15	Y	31.40 ± 0.89	116.18 ± 3.27	Y						
a	05/23/2007	17.20 ± 7.42	63.64 ± 27.45		41.20 ± 19.10	152.44 ± 70.67							
	05/30/2007	0.95 ± 0.30	3.51 ± 1.11	Y	23.80 ± 1.03	88.06 ± 3.81	Y						
	06/06/2007	1.34 ± 0.33	4.96 ± 1.22	Y	33.20 ± 1.23	122.84 ± 4.55	Y						
	06/13/2007	0.95 ± 0.24	3.52 ± 0.88	Y	18.60 ± 0.79	68.82 ± 2.92	Y						
	06/20/2007	1.67 ± 0.31	6.18 ± 1.14	Y	21.10 ± 0.96	78.07 ± 3.54	Y						
	06/27/2007	1.32 ± 0.31	4.88 ± 1.16	Y	31.70 ± 1.13	117.29 ± 4.18	Y						
IDAHO FALLS	04/04/2007	1.81 ± 0.33	6.70 ± 1.22	Y	23.30 ± 0.97	86.21 ± 3.60	Y						
	04/11/2007	1.84 ± 0.32	6.81 ± 1.17	Y	20.10 ± 0.88	74.37 ± 3.24	Y						
	04/18/2007	2.13 ± 0.31	7.88 ± 1.15	Y	19.20 ± 0.83	71.04 ± 3.09	Y						
	04/25/2007	0.90 ± 0.20	3.33 ± 0.73	Y	12.70 ± 0.68	46.99 ± 2.50	Y						
	05/02/2007	1.54 ± 0.22	5.70 ± 0.81	Y	26.90 ± 0.78	99.53 ± 2.90	Y						
	05/09/2007	2.44 ± 0.31	9.03 ± 1.13	Y	19.10 ± 0.82	70.67 ± 3.05	Y						
	05/16/2007	4.04 ± 0.37	14.95 ± 1.38	Y	39.20 ± 1.03	145.04 ± 3.81	Y						
	05/23/2007	3.03 ± 0.38	11.21 ± 1.42	Y	31.30 ± 1.11	115.81 ± 4.11	Y						
	05/30/2007	2.01 ± 0.30	7.44 ± 1.12	Y	25.30 ± 0.91	93.61 ± 3.36	Y						
	06/06/2007	3.29 ± 0.41	12.17 ± 1.51	Y	34.50 ± 1.19	127.65 ± 4.40	Y						
	06/13/2007	1.32 ± 0.29	4.88 ± 1.05	Y	18.50 ± 0.87	68.45 ± 3.21	Y						
	06/20/2007	1.90 ± 0.33	7.03 ± 1.24	Y	21.60 ± 1.01	79.92 ± 3.74	Y						
	06/27/2007	2.19 ± 0.36	8.10 ± 1.32	Y	32.70 ± 1.14	120.99 ± 4.22	Y						
JACKSON	04/04/2007	1.67 ± 0.31	6.18 ± 1.15	Y	18.80 ± 0.87	69.56 ± 3.23	Y						
	04/11/2007	1.55 ± 0.30	5.74 ± 1.12	Y	19.30 ± 0.87	71.41 ± 3.21	Y						
	04/18/2007	1.24 ± 0.28	4.59 ± 1.02	Y	23.00 ± 0.90	85.10 ± 3.34	Y						
	04/25/2007	0.52 ± 0.15	1.92 ± 0.57	Y	14.30 ± 0.64	52.91 ± 2.37	Y						
	05/02/2007	1.94 ± 0.25	7.18 ± 0.92	Y	28.30 ± 0.83	104.71 ± 3.07	Y						
	05/09/2007	1.19 ± 0.22	4.40 ± 0.83	Y	20.60 ± 0.80	76.22 ± 2.94	Y						

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		Result ± 1s Uncertainty (x 10 ⁻¹⁵ µCi/mL)		Result ± 1s Uncertainty (x 10 ⁻¹¹ Bq/mL)		Result > 3s	Result ± 1s Uncertainty (x 10 ⁻¹⁵ µCi/mL)		Result ± 1s Uncertainty (x 10 ⁻¹¹ Bq/mL)		Result > 3s		
a	05/16/2007	2.55 ± 0.29	9.44 ± 1.06	Y	34.60 ± 0.90	128.02 ± 3.33	Y						
	05/23/2007	2.71 ± 0.36	10.03 ± 1.32	Y	33.00 ± 1.09	122.10 ± 4.03	Y						
	05/30/2007	2.33 ± 0.34	8.62 ± 1.25	Y	23.40 ± 0.95	86.58 ± 3.50	Y						
	06/06/2007	1.23 ± 0.31	4.55 ± 1.13	Y	34.40 ± 1.18	127.28 ± 4.37	Y						
	06/13/2007	0.00 ± 0.00	0.00 ± 0.00		0.00 ± 0.00	0.00 ± 0.00							
	06/20/2007	1.55 ± 0.33	5.74 ± 1.24	Y	22.00 ± 1.07	81.40 ± 3.96	Y						
	06/27/2007	1.93 ± 0.34	7.14 ± 1.26	Y	31.00 ± 1.10	114.70 ± 4.07	Y						
REXBURG CMS	04/04/2007	0.76 ± 0.15	2.80 ± 0.56	Y	12.30 ± 0.47	45.51 ± 1.75	Y						
	04/11/2007	1.28 ± 0.32	4.74 ± 1.20	Y	18.60 ± 0.96	68.82 ± 3.53	Y						
	04/18/2007	1.43 ± 0.30	5.29 ± 1.10	Y	20.40 ± 0.90	75.48 ± 3.33	Y						
	04/25/2007	0.75 ± 0.17	2.76 ± 0.64	Y	15.20 ± 0.66	56.24 ± 2.46	Y						
	05/02/2007	2.35 ± 0.29	8.70 ± 1.09	Y	29.50 ± 0.93	109.15 ± 3.44	Y						
	05/09/2007	1.12 ± 0.21	4.14 ± 0.77	Y	16.20 ± 0.70	59.94 ± 2.59	Y						
	05/16/2007	2.66 ± 0.33	9.84 ± 1.23	Y	36.60 ± 1.05	135.42 ± 3.89	Y						
	05/23/2007	2.25 ± 0.39	8.33 ± 1.43	Y	31.90 ± 1.23	118.03 ± 4.55	Y						
	05/30/2007	1.83 ± 0.34	6.77 ± 1.27	Y	25.30 ± 1.04	93.61 ± 3.85	Y						
	06/06/2007	1.52 ± 0.31	5.62 ± 1.14	Y	32.60 ± 1.11	120.62 ± 4.11	Y						
	06/13/2007	0.93 ± 0.26	3.44 ± 0.95	Y	17.90 ± 0.84	66.23 ± 3.09	Y						
	06/20/2007	1.48 ± 0.30	5.48 ± 1.12	Y	19.80 ± 0.96	73.26 ± 3.54	Y						
	06/27/2007	2.00 ± 0.34	7.40 ± 1.27	Y	32.50 ± 1.12	120.25 ± 4.14	Y						
	INL SITE												
EFS	04/04/2007	1.23 ± 0.30	4.55 ± 1.10	Y	25.10 ± 0.99	92.87 ± 3.65	Y						
	04/11/2007	0.92 ± 0.28	3.41 ± 1.02	Y	19.30 ± 0.89	71.41 ± 3.29	Y						
	04/18/2007	0.56 ± 0.29	2.08 ± 1.05		19.70 ± 1.00	72.89 ± 3.70	Y						
	04/25/2007	0.92 ± 0.18	3.41 ± 0.66	Y	14.80 ± 0.63	54.76 ± 2.33	Y						
	05/02/2007	1.33 ± 0.21	4.92 ± 0.77	Y	26.30 ± 0.78	97.31 ± 2.89	Y						
	05/09/2007	1.34 ± 0.25	4.96 ± 0.91	Y	16.70 ± 0.80	61.79 ± 2.96	Y						
	05/16/2007	2.72 ± 0.35	10.06 ± 1.30	Y	37.50 ± 1.11	138.75 ± 4.11	Y						
	05/23/2007	2.83 ± 0.42	10.47 ± 1.57	Y	30.60 ± 1.24	113.22 ± 4.59	Y						
	05/30/2007	0.94 ± 0.32	3.47 ± 1.19		25.10 ± 1.12	92.87 ± 4.14	Y						
	06/06/2007	1.55 ± 0.26	5.74 ± 0.95	Y	32.10 ± 0.94	118.77 ± 3.47	Y						
	06/13/2007	0.87 ± 0.23	3.23 ± 0.85	Y	16.60 ± 0.75	61.42 ± 2.78	Y						
	06/20/2007	1.13 ± 0.32	4.18 ± 1.18	Y	19.70 ± 1.06	72.89 ± 3.92	Y						
	06/27/2007	1.38 ± 0.36	5.11 ± 1.32	Y	30.00 ± 1.23	111.00 ± 4.55	Y						
	QA-1	04/04/2007	1.21 ± 0.25	4.48 ± 0.94	Y	25.70 ± 0.87	95.09 ± 3.20	Y					
04/11/2007		0.63 ± 0.23	2.31 ± 0.84		19.40 ± 0.80	71.78 ± 2.96	Y						
04/18/2007		0.64 ± 0.22	2.38 ± 0.83		18.70 ± 0.79	69.19 ± 2.93	Y						
04/25/2007		0.93 ± 0.17	3.43 ± 0.63	Y	15.40 ± 0.61	56.98 ± 2.25	Y						
05/02/2007		1.70 ± 0.22	6.29 ± 0.83	Y	27.60 ± 0.78	102.12 ± 2.87	Y						
05/09/2007		1.07 ± 0.23	3.96 ± 0.84	Y	15.30 ± 0.78	56.61 ± 2.87	Y						
05/16/2007		2.57 ± 0.35	9.51 ± 1.30	Y	39.10 ± 1.15	144.67 ± 4.26	Y						
05/23/2007		3.60 ± 0.55	13.32 ± 2.03	Y	35.70 ± 1.56	132.09 ± 5.77	Y						
05/30/2007		1.68 ± 0.30	6.22 ± 1.12	Y	24.40 ± 0.94	90.28 ± 3.47	Y						
06/06/2007		1.26 ± 0.27	4.66 ± 1.00	Y	32.40 ± 1.03	119.88 ± 3.81	Y						
06/13/2007		0.95 ± 0.26	3.50 ± 0.97	Y	16.40 ± 0.83	60.68 ± 3.07	Y						
06/20/2007		0.94 ± 0.25	3.47 ± 0.94	Y	19.30 ± 0.89	71.41 ± 3.28	Y						
06/27/2007		2.24 ± 0.33	8.29 ± 1.24	Y	32.00 ± 1.06	118.40 ± 3.92	Y						
MAIN GATE		04/04/2007	1.07 ± 0.28	3.96 ± 1.04	Y	24.40 ± 0.95	90.28 ± 3.51	Y					
	04/11/2007	1.18 ± 0.30	4.37 ± 1.10	Y	19.10 ± 0.91	70.67 ± 3.35	Y						
	04/18/2007	1.13 ± 0.30	4.18 ± 1.11	Y	18.60 ± 0.94	68.82 ± 3.46	Y						
	04/25/2007	1.52 ± 0.53	5.62 ± 1.96		18.40 ± 1.86	68.08 ± 6.88	Y						
	05/02/2007	1.96 ± 0.27	7.25 ± 1.01	Y	30.30 ± 0.93	112.11 ± 3.46	Y						
	05/09/2007	0.73 ± 0.20	2.70 ± 0.73	Y	17.00 ± 0.78	62.90 ± 2.87	Y						
	05/16/2007	2.42 ± 0.33	8.95 ± 1.22	Y	39.10 ± 1.10	144.67 ± 4.07	Y						
	05/23/2007	1.98 ± 0.37	7.33 ± 1.38	Y	29.50 ± 1.20	109.15 ± 4.44	Y						

TABLE C-1. Weekly Gross Alpha and Gross Beta Concentrations in Air

Sampling Group and Location	Sampling Date	GROSS ALPHA			GROSS BETA		
		Result ± 1s Uncertainty (x 10 ⁻¹⁵ µCi/mL)	Result ± 1s Uncertainty (x 10 ⁻¹¹ Bq/mL)	Result > 3s	Result ± 1s Uncertainty (x 10 ⁻¹⁵ µCi/mL)	Result ± 1s Uncertainty (x 10 ⁻¹¹ Bq/mL)	Result > 3s
	05/30/2007	1.04 ± 0.30	3.85 ± 1.10	Y	26.70 ± 1.04	98.79 ± 3.85	Y
	06/06/2007	1.43 ± 0.32	5.29 ± 1.18	Y	32.00 ± 1.16	118.40 ± 4.29	Y
	06/13/2007	0.61 ± 0.23	2.25 ± 0.83		16.80 ± 0.78	62.16 ± 2.90	Y
	06/20/2007	1.15 ± 0.23	4.26 ± 0.87	Y	14.30 ± 0.73	52.91 ± 2.68	Y
	06/27/2007	1.28 ± 0.32	4.74 ± 1.19	Y	31.90 ± 1.16	118.03 ± 4.29	Y
VAN BUREN GATE	04/04/2007	1.19 ± 0.27	4.40 ± 1.01	Y	24.90 ± 0.92	92.13 ± 3.39	Y
	04/11/2007	1.13 ± 0.28	4.18 ± 1.03	Y	20.90 ± 0.89	77.33 ± 3.28	Y
	04/18/2007	0.68 ± 0.24	2.51 ± 0.89		18.40 ± 0.83	68.08 ± 3.08	Y
	04/25/2007	0.74 ± 0.16	2.75 ± 0.58	Y	14.30 ± 0.59	52.91 ± 2.19	Y
	05/02/2007	1.78 ± 0.25	6.59 ± 0.91	Y	28.40 ± 0.85	105.08 ± 3.15	Y
	05/09/2007	0.76 ± 0.18	2.80 ± 0.66	Y	17.60 ± 0.70	65.12 ± 2.59	Y
	05/16/2007	2.44 ± 0.32	9.03 ± 1.20	Y	36.00 ± 1.05	133.20 ± 3.89	Y
	05/23/2007	1.34 ± 0.38	4.96 ± 1.41	Y	29.00 ± 1.32	107.30 ± 4.88	Y
	05/30/2007	1.30 ± 0.29	4.81 ± 1.08	Y	22.20 ± 0.94	82.14 ± 3.47	Y
	06/06/2007	1.51 ± 0.27	5.59 ± 1.01	Y	31.30 ± 0.99	115.81 ± 3.66	Y
	06/13/2007	0.38 ± 0.22	1.41 ± 0.81		15.00 ± 0.78	55.50 ± 2.88	Y
	06/20/2007	1.23 ± 0.28	4.55 ± 1.04	Y	18.90 ± 0.92	69.93 ± 3.39	Y
	06/27/2007	2.03 ± 0.34	7.51 ± 1.25	Y	29.80 ± 1.07	110.26 ± 3.96	Y
a. Invalid Sample Result							