

**TABLE C-7: Bi-Annual Gross Alpha, Gross Beta & Tritium  
Concentrations in Drinking and Surface Water**

<i>Sample Type and Location</i>	<i>Sampling Date</i>	<i>Quality Control Type</i>	<i>Analyte</i>	<i>Result ± Uncertainty(2s)</i>			<i>Result ± Uncertainty(2s)</i>		
				<i>pCi/L</i>			<i>Bq/L</i>		
<b>DRINKING WATER</b>									
<b>ABERDEEN</b>									
	5/12/2003	N/A	GROSS ALPHA	1.02	±	0.56	0.04	±	0.02
	5/12/2003	N/A	GROSS BETA	5.24	±	0.94	0.19	±	
	5/12/2003	N/A	TRITIUM	-52.70	±	59.50	-1.95	±	2.20
<b>ARCO</b>									
	5/12/2003	N/A	GROSS ALPHA	0.47	±	0.40	0.02	±	0.01
	5/12/2003	N/A	GROSS BETA	1.99	±	0.78	0.07	±	0.03
	5/12/2003	N/A	TRITIUM	50.50	±	23.00	1.87	±	0.85
<b>ATOMIC CITY</b>									
	5/14/2003	N/A	GROSS ALPHA	0.37	±	0.39	0.01	±	0.01
	5/14/2003	N/A	GROSS BETA	3.25	±	0.82	0.12	±	0.03
	5/14/2003	N/A	TRITIUM	-66.90	±	59.40	-2.48	±	2.20
<b>CAREY</b>									
	5/12/2003	N/A	GROSS ALPHA	1.07	±	0.45	0.04	±	0.02
	5/12/2003	N/A	GROSS BETA	2.24	±	0.79	0.08	±	0.03
	5/12/2003	N/A	TRITIUM	-11.50	±	23.10	-0.43	±	0.85
<b>FORT HALL</b>									
	5/12/2003	N/A	GROSS ALPHA	0.18	±	0.47	0.01	±	0.02
	5/12/2003	N/A	GROSS BETA	9.59	±	1.03	0.35	±	0.04
	5/12/2003	N/A	TRITIUM	-5.48	±	58.80	-0.20	±	2.18
<b>HOWE</b>									
	5/12/2003	N/A	GROSS ALPHA	-0.06	±	0.37	0.00	±	0.01
	5/12/2003	N/A	GROSS BETA	2.05	±	0.79	0.08	±	0.03
	5/12/2003	N/A	TRITIUM	-34.90	±	59.60	-1.29	±	2.21

<b>IDAHO FALLS</b>									
5/12/2003	N/A	GROSS ALPHA	-0.17	±	0.37	-0.01	±	0.01	
5/12/2003	N/A	GROSS BETA	3.01	±	0.82	0.11	±	0.03	
5/12/2003	N/A	TRITIUM	68.80	±	23.40	2.55	±	0.87	
<b>MINIDOKA</b>									
5/13/2003	N/A	GROSS ALPHA	-0.18	±	0.37	-0.01	±	0.01	
5/13/2003	N/A	GROSS BETA	3.57	±	0.84	0.13	±	0.03	
5/13/2003	N/A	TRITIUM	-72.00	±	58.50	-2.66	±	2.16	
<b>MONTEVIEW</b>									
5/12/2003	N/A	GROSS ALPHA	0.70	±	0.60	0.03	±	0.02	
5/12/2003	N/A	GROSS BETA	9.72	±	1.17	0.36	±	0.04	
5/12/2003	N/A	TRITIUM	18.30	±	23.80	0.68	±	0.88	
<b>MORELAND</b>									
5/12/2003	N/A	GROSS ALPHA	0.93	±	0.61	0.03	±	0.02	
5/12/2003	N/A	GROSS BETA	8.36	±	1.07	0.31	±	0.04	
5/12/2003	N/A	TRITIUM	-24.00	±	22.80	-0.89	±	0.84	
<b>MUDLAKE</b>									
5/14/2003	N/A	GROSS ALPHA	-0.02	±	0.23	0.00	±	0.01	
5/14/2003	DUPLICATE	GROSS ALPHA	-0.11	±	0.28	0.00	±	0.01	
5/14/2003	N/A	GROSS BETA	1.00	±	0.69	0.04		0.03	
5/14/2003	DUPLICATE	GROSS BETA	4.87	±	0.83	0.18		0.03	
5/14/2003	N/A	TRITIUM	-30.50	±	56.90	-1.13		2.11	
5/14/2003	DUPLICATE	TRITIUM	-24.90	±	58.80	-0.92		2.18	
<b>ROBERTS</b>									
5/12/2003	N/A	GROSS ALPHA	0.21	±	0.42	0.01	±	0.02	
5/12/2003	N/A	GROSS BETA	4.38	±	0.87	0.16	±	0.03	
5/12/2003	N/A	TRITIUM	-7.52	±	21.60	-0.28	±	0.80	
<b>SHOSHONE</b>									
5/13/2003	N/A	GROSS ALPHA	0.04	±	0.36	0.00	±	0.01	
5/13/2003	N/A	GROSS BETA	4.09	±	0.84	0.15	±	0.03	
5/13/2003	N/A	TRITIUM	44.10	±	22.90	1.63	±	0.85	

**SURFACE WATER****BLISS**

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5/13/2003	N/A	GROSS ALPHA	0.89	±	0.47	0.03	±	0.02
5/13/2003	N/A	GROSS BETA	5.32	±	0.95	0.20	±	0.04
5/13/2003	N/A	TRITIUM	0.50	±	21.50	0.02	±	0.80

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**BUHL**

5/13/2003	N/A	GROSS ALPHA	0.00	±	0.38	0.00	±	0.01
5/13/2003	N/A	GROSS BETA	4.47	±	0.92	0.17	±	0.03
5/13/2003	N/A	TRITIUM	-16.60	±	22.20	-0.61	±	0.82

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**HAGERMAN**

5/13/2003	N/A	GROSS ALPHA	1.53	±	0.47	0.06	±	0.02
5/13/2003	N/A	GROSS BETA	2.18	±	0.84	0.08	±	0.03
5/13/2003	N/A	TRITIUM	-27.80	±	21.90	-1.03	±	0.81

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**IDAHO FALLS**

5/15/2003	N/A	GROSS ALPHA	-0.23	±	0.28	-0.01	±	0.01
5/15/2003	N/A	GROSS BETA	2.29	±	0.82	0.08	±	0.03
5/15/2003	N/A	TRITIUM	-1.96	±	22.60	-0.07	±	0.84

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**TWIN FALLS**

5/13/2003	N/A	GROSS ALPHA	0.52	±	0.51	0.02	±	0.02
5/13/2003	DUPLICATE	GROSS ALPHA	0.62	±	0.48	0.02	±	0.02
5/13/2003	N/A	GROSS BETA	8.01	±	1.00	0.30	±	0.04
5/13/2003	DUPLICATE	GROSS BETA	5.38	±	0.97	0.20	±	0.04
5/13/2003	N/A	TRITIUM	-24.9	±	58.8	-0.9213	±	2.1756
5/13/2003	DUPLICATE	TRITIUM	36.5	±	22.4	1.3505	±	0.8288