Table 1
Validated Groundwater Analytical Results Summary Table - Radioisotopes
Canadian Radium and Uranium Corp. Site
Mount Kisco, New York
December 2016

			Location No.	C003-SB003			C003-SB008		
			RST 3 Sample No.	TW-1-01			TW-2-01		
			Sample Matrix	Groundwater			Groundwater		
			Sample Date	12/14/2016			12/14/2016		
			Sample Result (pCi/L)	Value (pCi/L)	Qualifier	Total Uncertainty	Value (pCi/L)	Qualifier	Total Uncertainty
Radioisotope	**Type of Radiation**	**Analysis Method**	**[1]EPA SSAL**						
Gross Alpha	Alpha	EPA 900.0	15	72.5		27.5	44.1		10.8
Gross Beta	Beta	EPA 900.0	4	105		24.3	29.6		5.91
Actinium-228	Beta	EPA 901.1	9.18	0	UJ	12.7	0	UJ	15.15
Bismuth-212	Alpha/Beta	EPA 901.1	15	28.07	J	48.56	0	UJ	37.34
Bismuth-214	Alpha/Beta	EPA 901.1	15	6.51	J	11.18	516.08	J	61
Cesium-137	Beta	EPA 901.1	12.3	-1.88	UJ	5.4	-1.19	UJ	6.83
Lead-210	Alpha/Beta	EPA 901.1	15	157.39	UJ	1,984.5	0	UJ	2,431.7
Lead-212	Alpha	EPA 901.1	15	8.78	J	16.7	137.25	J	49.85
Lead-214	Alpha	EPA 901.1	15	13.11	J	12.83	569.97	J	67.5
Potassium-40	Beta	EPA 901.1	29.7	11.29	UJ	53.78	22.57	UJ	77.23
Radium-224	Alpha	EPA 901.1	15	0	UJ	42.49	90.78	UJ	150.19
Radium-226	Alpha	EPA 901.1	5	0	R	70.61	55	R	168.77
Radium-228	Beta	EPA 901.1	0.702	0	UJ	12.7	0	UJ	15.152
Thallium-208	Beta	EPA 901.1	4	5.61	J	4.21	0.69	UJ	7.46
Thorium-228	Alpha	EPA 901.1	15	126.89	R	171.54	456.74	R	561.52
Thorium-230	Alpha	EPA 901.1	15	-146.34	R	4,098.5	-556.08	R	6,459.8
Thorium-232	Alpha	EPA 901.1	15	0	R	4,645.6	7,023.1	R	8,713.9
Thorium-234	Beta	EPA 901.1	135	103.57	UJ	398.94	0	UJ	494.72
Uranium-234	Alpha	EPA 901.1	15	103.57	R	398.94	0	R	494.72
Uranium-235	Alpha	EPA 901.1	15	0	R	17.91	13.95	R	55.7
Uranium-238	Alpha	EPA 901.1	15	0	UJ	75.06	49.15	UJ	146.44
Radium-226	Alpha	EPA 903.1	5	7.18		1.71	0.92	J	0.62
Radium-228	Beta	EPA 904.0	0.702	2.69	J	0.74	1.14	J	0.42
Thorium-228	Alpha	HSL-300	15	0.23	J	0.2	0.52	J	0.26
Thorium-230	Alpha	HSL-300	15	0.3	J	0.2	0.24	J	0.17
Thorium-232	Alpha	HSL-300	15	0.13	J	0.11	0.31	J	0.18
Uranium-233/234	Alpha	HSL-300	15	0.63	J	0.22	1.06		0.29
Uranium-235/236	Alpha	HSL-300	15	0.11	J	0.09	0.09	J	0.09
Uranium-238	Alpha	HSL-300	15	0.34	J	0.16	0.82		0.24

Notes:
RST 3 - Removal Support Team 3.
No. - Number.
pCi/L - picocuries per liter.
[1]U.S. Environmental Protection Agency (EPA) Site-Specific Action Levels (SSAL) are presented in pCi/L.
EPA 900.0 - Gross Alpha/Beta.
EPA 901.1 - Gamma Spectroscopy.
EPA 903.1 - Radium-226 (ingrowth).
EPA 904.0 - Radium-228.
HSL-300 - Actinides.

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Canadian Radium and Uranium Corp. Site
Mount Kisco, New York
December 2016

C003-SB010						Rinsate			
TW-3-01			TW-3-02			RB-121416			
Groundwater			Groundwater			DI Water			
12/14/2016			12/14/2016						
Value (pCi/L)	Qualifier	Total Uncertainty	Value (pCi/L)	Qualifier	Total Uncertainty	Value (pCi/L)	Qualifier	Total Uncertainty	Highest Values
109		31.2	83.6		28.6	0.53	J	0.34	10.8
202		40	197		40.7	-0.08	U	0.35	40
0	UJ	24.06	1.68	UJ	18.9	0	UJ	15.36	24.06
6.11	UJ	117.29	0	UJ	19.83	0	UJ	16.24	117.29
59.87	J	19.58	77.36	J	15.56	0	UJ	13.37	77.36
0.93	UJ	8.22	1.73	UJ	4.59	0	UJ	1.15	8.22
0	UJ	289.13	0	UJ	1,301.6	36.99	UJ	391.48	391.48
11.65	J	10.97	9.61	J	6.3	0	UJ	9.39	49.85
59.6	J	19.15	60.28	J	11.95	12.34	J	16.72	67.5
0	UJ	48.01	47.7	J	51.01	0	UJ	48.01	77.23
156.65	J	115.85	0	UJ	29.44	-41.38	UJ	184.26	184.26
120.95	R	167.94	172.59	R	114.02	47.62	R	158.97	172.59
0	UJ	24.06	1.68	UJ	18.9	0	UJ	15.36	24.06
0	UJ	2.65	1.37	UJ	4.94	2.62	UJ	6.26	7.46
42.76	R	613.3	0	R	714.29	194.78	R	598.36	714.29
1,102.8	R	2,944.5	-1,434.1	R	4,686.1	957.12	R	2,426.4	2426.4
2,582.7	R	4,330.8	991.07	R	8,318.9	279.61	R	4,017.7	4017.7
0	UJ	132.57	0	UJ	234.56	0	UJ	151.23	494.72
0	R	132.57	0	R	234.56	0	R	151.23	494.72
17.15	R	49	0	R	19.14	0	R	28.75	55.7
0	UJ	101.4	0	UJ	103.74	45.49	UJ	122.67	146.44
45.8		6.39	315		37.7	0.24	U	0.46	0.62
57		10.3	46.7		8.46	0.65	J	0.3	57
0.25	J	0.2	0.4	J	0.23	0.3	J	0.2	0.4
3.23	J	0.74	8.4	J	1.6	0.05	J	0.08	8.4
0.14	J	0.11	0.33	J	0.18	0.02	U	0.08	0.33
0.54	J	0.21	0.38	J	0.16	0.16	J	0.12	0.54
0.12	J	0.1	0.08	J	0.07	0.11		0.01	0.12
0.56	J	0.2	0.29	J	0.14	0.15		0.1	0.56