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	C003-SB010	
			RST 3 Sample No.	TW-1-01	TW-2-01	TW-3-01	TW-3-02
			Sample Matrix	Groundwater	Groundwater	Groundwater	Groundwater
			Sample Date	12/14/2016	12/14/2016	12/14/2016	12/14/2016
			Sample Result	Value (pCi/L)	Value (pCi/L)	Value (pCi/L)	Value (pCi/L)
Radioisotope	**Type of Radiation**	**Analysis Method**	**[1]EPA SSAL**				
Gross Alpha	Alpha	EPA 900.0	15	72.5	44.1	109	83.6
Gross Beta	Beta	EPA 900.0	4	105	29.6	202	197
Actinium-228	Beta	EPA 901.1	9	0	0	0	1.68
Bismuth-212	Alpha/Beta	EPA 901.1	15	28.07	0	6.11	0
Bismuth-214	Alpha/Beta	EPA 901.1	15	6.51	516.08	59.87	77.36
Cesium-137	Beta	EPA 901.1	12	-1.88	-1.19	0.93	1.73
Lead-210	Alpha/Beta	EPA 901.1	15	157.39	0	0	0
Lead-212	Alpha	EPA 901.1	15	8.78	137.25	11.65	9.61
Lead-214	Alpha	EPA 901.1	15	13.11	569.97	59.6	60.28
Potassium-40	Beta	EPA 901.1	30	11.29	22.57	0	47.7
Radium-224	Alpha	EPA 901.1	15	0	90.78	156.65	0
Radium-226	Alpha	EPA 901.1	5	0	55	120.95	172.59
Radium-228	Beta	EPA 901.1	1	0	0	0	1.68
Thallium-208	Beta	EPA 901.1	4	5.61	0.69	0	1.37
Thorium-228	Alpha	EPA 901.1	15	126.89	456.74	42.76	0
Thorium-230	Alpha	EPA 901.1	15	-146.34	-556.08	1,102.80	-1,434.10
Thorium-232	Alpha	EPA 901.1	15	0	7,023.10	2,582.70	991.07
Thorium-234	Beta	EPA 901.1	135	103.57	0	0	0
Uranium-234	Alpha	EPA 901.1	15	103.57	0	0	0
Uranium-235	Alpha	EPA 901.1	15	0	13.95	17.15	0
Uranium-238	Alpha	EPA 901.1	15	0	49.15	0	0
Radium-226	Alpha	EPA 903.1	5	7.18	0.92	45.8	315
Radium-228	Beta	EPA 904.0	1	2.69	1.14	57	46.7
Thorium-228	Alpha	HSL-300	15	0.23	0.52	0.25	0.4
Thorium-230	Alpha	HSL-300	15	0.3	0.24	3.23	8.4
Thorium-232	Alpha	HSL-300	15	0.13	0.31	0.14	0.33
Uranium-233/234	Alpha	HSL-300	15	0.63	1.06	0.54	0.38
Uranium-235/236	Alpha	HSL-300	15	0.11	0.09	0.12	0.08
Uranium-238	Alpha	HSL-300	15	0.34	0.82	0.56	0.29

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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Rinsate	
RB-121416	
DI Water	
Value (pCi/L)	
	Highest Values
0.53	109
-0.08	202
0	1.68
0	28.07
0	516.08
0	1.73
36.99	157.39
0	137.25
12.34	569.97
0	47.7
-41.38	156.65
47.62	172.59
0	1.68
2.62	5.61
194.78	456.74
957.12	1102.8
279.61	7023.1
0	103.57
0	103.57
0	17.15
45.49	49.15
0.24	315
0.65	57
0.3	0.52
0.05	8.4
0.02	0.33
0.16	1.06
0.11	0.12
0.15	0.82

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