Table 8A
Preliminary Soil Analytical Results Summary (Radioisotopes)
Canadian Uranium Radiological Site
Kisco Avenue, Mount Kisco, New York

	Location ID No.	C004-SS001			C001-SS001						C001-SS002			C001-SS003			C002-SS001			C002-SS002			C002-SS003		
	RST 3 Sample No.	**C004-SS001-1824-01**			**C001-SS001-0012-01**			**C001-SS001-0012-02[1]**			**C001-SS002-0012-01**			**C001-SS003-0012-01**			**C002-SS001-2448-01**			**C002-SS002-2448-01**			**C002-SS003-2448-01**		
	Sample Depth (inches)	18 - 24			0 - 12			0 - 12			0 - 12			0 - 12			24 - 48			24 - 48			24 - 48		
	Sample Matrix	Soil			Soil			Soil			Soil			Soil			Soil			Soil			Soil		
	Sample Result	Value (pCi/g)	Qualifier	Total Uncertainty	Value (pCi/g)	Qualifier	Total Uncertainty	Value (pCi/g)	Qualifier	Total Uncertainty	Value (pCi/g)	Qualifier	Total Uncertainty	Value (pCi/g)	Qualifier	Total Uncertainty	Value (pCi/g)	Qualifier	Total Uncertainty	Value (pCi/g)	Qualifier	Total Uncertainty	Value (pCi/g)	Qualifier	Total Uncertainty
Radioisotopes	**EPA SSAL**	**Background**																							
Thorium-228		0.645		0.161	0.738		0.164	1.01		0.199	0.552		0.149	0.748		0.176	1.04		0.205	0.986		0.208	0.749		0.178
Thorium-230		0.768		0.174	2.08		0.307	2.53		0.354	0.728		0.169	0.697		0.165	0.787		0.173	1.63		0.278	20.4		1.91
Thorium-232		0.853		0.184	0.847		0.176	0.888		0.183	0.625		0.156	0.685		0.164	1.14		0.214	0.662		0.164	0.611		0.155
Uranium-233/234		0.575		0.156	0.474		0.13	0.446		0.127	0.471		0.137	0.404		0.124	0.71		0.175	0.434		0.144	0.988		0.215
Uranium-235/236		0.0338		0.0392	ND			ND			0.0553		0.0497	ND			ND			ND			0.0594		0.0533
Uranium-238		0.504		0.143	0.505		0.134	0.569		0.143	0.512		0.142	0.374		0.119	0.604		0.159	0.431		0.142	0.986		0.212
Ac-228		1.19		0.289	0.735		0.253	1.21		0.267	0.492		0.185	0.378		0.184	1.23		0.28	1.15		0.321	0.622		0.295
Bi-212		NA			NA			NA			NA			NA			NA			NA			NA		
Bi-214		1.31		0.246	2.33		0.36	2.49		0.362	0.875		0.175	0.758		0.175	1.92		0.35	1.5		0.287	9.04		1.1
Cesium-137		0.227		0.0871	ND			ND			ND			ND			ND			ND			ND		
K-40		12.4		2.2	12.6		2.11	10.3		1.71	7.34		1.36	9.53		1.91	12.3		2.17	14.3		2.59	14.2		2.46
Pb-210		NA			4.17		1.71	3.6		1.81	NA			NA			NA			NA			8.64		3.3
Pb-212		0.904		0.227	0.57		0.147	1.26		0.217	0.478		0.13	0.683		0.159	1.04		0.23	0.798		0.2	0.571		0.242
Pb-214		1.31		0.264	2.37		0.352	2.96		0.376	0.916		0.175	0.81		0.216	2.03		0.307	1.74		0.315	9.6		1.16
Tl-208		0.198		0.0908	0.213		0.0831	0.39		0.0807	0.182		0.0557	0.151		0.0732	0.437		0.108	0.279		0.089	0.22		0.119
Radium-226*		1.59		0.292	3.43		0.475	3.64		0.462	1.07		0.186	0.922		0.194	1.86		0.36	1.45		0.252	9.84		1.2
Radium-228		1.19		0.289	0.735		0.253	1.21		0.267	0.492		0.185	0.378		0.184	1.23		0.28	1.15		0.321	0.622		0.295

Notes:

RST 3 - Removal Support Team 3.
ID No. - Identity Number.
NS - Not specified.
NA - Not applicable.
ND - Non-Detect.
pCi/g - picocuries per gram.
µg/L - micrograms per liter.
EPA SSAL - U.S. Environmental Protection Agency Site-Specific Action Level.
Values in red exceed the EPA SSAL for the respective radioisotope.
EPA SSAL values are in pCi/g.
C001-SS001-0012-02[1] is a duplicate of C001-SS001-0012-01
*Radium-226 (21-day ingrowth) analysis via Department of Energy (DOE) gamma spectroscopy Method GA-01-R (soil only).

Table 8A
Preliminary Soil Analytical Results Summary (Radioisotopes)
Canadian Uranium Radiological Site
Kisco Avenue, Mount Kisco, New York

	Location ID No.	C004-SS001			C002-TRENCH			C003-SS001						C003-SS002			C003-SS003			Rinsate Blank			Rinsate Blank		
	RST 3 Sample No.	**C004-SS001-1824-01**			**C002-TRENCH-0036-01**			**C003-SS001-2448-01**			**C003-SS001-2448-02[2]**			**C003-SS002-0024-01**			**C003-SS003-2448-01**			**RB-080515**			**RB-081815**		
	Sample Depth (inches)	18 - 24			0 - 36			24 - 48			24 - 48			0 - 24			24 - 48			NA			NA		
	Sample Matrix	Soil			Soil			Soil			Soil			Soil			Soil			Aqueous			Aqueous		
	Sample Result	Value (pCi/g)	Qualifier	Total Uncertainty	Value (pCi/g)	Qualifier	Total Uncertainty	Value (pCi/g)	Qualifier	Total Uncertainty	Value (pCi/g)	Qualifier	Total Uncertainty	Value (pCi/g)	Qualifier	Total Uncertainty	Value (pCi/g)	Qualifier	Total Uncertainty	Value (µg/L)	Qualifier	Total Uncertainty	Value (µg/L)	Qualifier	Total Uncertainty
Radioisotopes	**EPA SSAL**	**Background**																		**Rinsate Blank**					
Thorium-228		0.645		0.161	0.619		0.157	0.822		0.181	0.726		0.169	1		0.197	0.77		0.179	ND			ND		
Thorium-230		0.768		0.174	14.8		1.43	5.23		0.603	5.29		0.608	42		3.71	8.96		0.938	0.148		0.113	ND		
Thorium-232		0.853		0.184	0.79		0.177	0.705		0.163	0.67		0.158	0.955		0.189	0.726		0.171	ND			ND		
Uranium-233/234		0.575		0.156	3.26		0.44	0.559		0.152	0.436		0.128	1.62		0.278	0.576		0.156	ND			ND		
Uranium-235/236		0.0338		0.0392	0.307		0.122	ND			ND			ND			ND			ND			ND		
Uranium-238		0.504		0.143	1.83		0.301	0.459		0.135	0.493		0.135	1.55		0.272	0.508		0.145	ND			ND		
Ac-228		1.19		0.289	0.763		0.322	0.972		0.339	0.596		0.365	NA			0.988		0.319	ND			ND		
Bi-212		NA			NA			NA			NA			15.4		3.85	2.51		1.23	ND			ND		
Bi-214		1.31		0.246	10.4		1.23	9.78		1.15	11.2		1.34	120		12.6	13.2		1.48	ND			ND		
Cesium-137		0.227		0.0871	ND			ND			ND			ND			ND			ND			ND		
K-40		12.4		2.2	10.8		2.14	14.1		2.33	13.5		2.77	18.1		5.86	14.6		2.44	ND			ND		
Pb-210		NA			11.6		4	7.7		3.07	6.32		3.49	99.7		17.7	13.5		4.55	ND			ND		
Pb-212		0.904		0.227	0.734		0.215	0.831		0.223	0.533		0.214	NA			0.948		0.316	ND			ND		
Pb-214		1.31		0.264	10.8		1.26	9.63		1.12	12.1		1.42	129		13.5	15.3		1.68	ND			ND		
Tl-208		0.198		0.0908	0.35		0.121	0.355		0.142	0.466		0.174	NA			0.355		0.129	ND			ND		
Radium-226*		1.59		0.292	10.4		1.21	10.3		1.19	11.3		1.33	129		13.6	15.1		1.75	NA			NA		
Radium-228		1.19		0.289	0.763		0.322	0.972		0.339	0.596		0.365	ND			0.988		0.319						
Radium-226**		NA			NA			NA			NA			NA			NA			ND			ND		
Radium-228***		NA			NA			NA			NA			NA			NA			ND			ND		

Notes:

RST 3 - Removal Support Team 3.
ID No. - Identity Number.
NS - Not specified.
NA - Not applicable.
ND - Non-Detect.
pCi/g - picocuries per gram.
µg/L - micrograms per liter.
EPA SSAL - U.S. Environmental Protection Agency Site-Specific Action Level.
Values in red exceed the EPA SSAL for the respective radioisotope.
EPA SSAL values are in pCi/g.
C003-SS001-2448-02[2] is a duplicate of C003-SS001-2448-01
*Radium-226 (21-day ingrowth) analysis via Department of Energy (DOE) gamma spectroscopy Method GA-01-R (soil only).
**Radium-226 analysis via EPA SW-846 Method 9315 (aqueous only).
***Radium-228 Gas Flow Proportional Counter (GFPC) analysis via EPA SW-846 Method 9320 (aqueous only).