Table 9
SAT Soil Analytical Results Summary (Radioisotopes)
Canadian Uranium Radiological Site
Kisco Avenue, Mount Kisco, New York

Location ID#	S07			S08			S01			S02			S03			S04			S09			S05			S06		
SAT Sample ID#	**S07 (12-24)**			**S08 (24-36)**			**S01 (24-36)**			**S02 (0-12)**			**S03 (0-12)**			**S04 (36-48)**			**S09 (36-48)***			**S05 (0-12)**			**S06 (0-12)**		
Sample Depth (inches)	12 - 24			24 - 36			24 - 36			0 - 12			0 - 12			36 - 48			36 - 48			0 - 12			0 - 12		
Sample Matrix	Soil			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	Value (pCi/g)	Qualifier	Total Uncertainty
Radioisotope	**Background**																										
Uranium-238	0.462	V	0.15	0.417	V	+/- .143	0.380	V	0.123	0.849	V	0.177	0.749	V	0.159	0.327	V	0.129	0.516	V	0.159	0.429	V	0.151	0.773	V	0.187
Thorium-230	0.407	V	0.14	0.575	V	+/- .175	0.999	V	0.163	**64.6**	V	5.53	**58.1**	V	4.99	**4.63**	V	0.605	**5.82**	V	0.691	**1.81**	V	0.311	**83.3**	V	7.27
Uranium-233/234	0.374	V	0.133	0.299	V	+/- .0401	0.428	V	0.132	0.781	V	0.168	0.769	V	0.0501	0.383	V	0.138	0.356	V	0.131	0.606	V	0.181	0.702	V	0.179
Radium-226	0.894	V	0.235	3.44	V	+/- .487	**22.0**	V	2.4	**135**	V	14.1	**129**	V	13.5	**14.0**	V	1.59	**15.4**	V	1.72	**109**	V	11.5	**109**	V	11.5
Thorium-232	0.508	V	0.153	0.547	V	+/- .169	0.557	V	0.115	0.842	V	0.14	0.766	V	0.134	0.879	V	0.216	0.624	V	0.171	0.605	V	0.165	0.739	V	0.194
Radium-228	0.843	V	0.239	1.35	V	+/- .342	1.05	V	0.389	1.17	UV	0.788	0.946	UV	0.773	0.975	V	0.369	1.25	V	0.35	1.79	V	0.963	0.710	UV	0.832
Thorium-228	0.43	V	0.145	0.567	V	+/- .175	0.626	V	0.125	1.07	V	0.165	0.884	V	0.148	0.850	V	0.21	0.808	V	0.197	0.589	V	0.168	0.794	V	0.207
Uranium-235/236	0.062	UV	0.0606	0.0254	UV	+/- .0401	0.0	UV	0.00555	0.0741	V	0.0546	0.0704	V	0.0501	0.0316	UV	0.0625	0.0415	UV	0.0555	0.0178	UV	0.0416	0.00539	UV	0.0259

Notes:

V = Verified by Certified Health Physicist.

U = Indicates the analyte was analyzed for but not detected.

pCi/g = picocuries per gram.

Analytical data is based on December 2013 site assessement conducted by Weston Solutions, Inc., Site Assessment Team (SAT).

S09 (36-48)* is a duplicate of S04 (36-48)

Values in red indicate exceedance based on the following criteria:

1) concentration equal or exceeds a value of 2 standard deviations above the mean site specific background concentration for that radionuclide.

2) concentration exceeds the upper-limit value range of regional background concentrations (approximately 0.5 pCi/g to 1.5 pCi/g was used to evaluate individual analytical results within each radionuclide).

3) significant values were established using professional judgment based on criteria 1 and 2.