Table 2: Preliminary Soil Analytical and Screening Results Summary Table - Radioisotopes
738 Upper Mountain Road Site
Upper Mountain Road, Lewiston, New York
November 18, 2016

		RST 3 Sample No.	UMR001-S002-0006-01					UMR001-S002-0612-01					UMR001-S002-1218-01					UMR001-S002-1824-01					UMR001-S003-0006-01				
		Sample Depth (inches)	0-6					6-12					12-18					18-24					0-6				
		Sample Matrix	Soil					Soil					Soil					Soil					Soil				
		Sample Date	11/18/2016					11/18/2016					11/18/2016					11/18/2016					11/18/2016				
		Data Type	**Laboratory Analysis**			**HPGe Screening**		**Laboratory Analysis**			**HPGe Screening**		**Laboratory Analysis**			**HPGe Screening**		**Laboratory Analysis**			**HPGe Screening**		**Laboratory Analysis**			**HPGe Screening**	
		Sample Result	Value (pCi/g)	Qualifier	Total Uncertainty	Value (pCi/g)	Total Uncertainty	Value (pCi/g)	Qualifier	Total Uncertainty	Value (pCi/g)	Total Uncertainty	Value (pCi/g)	Qualifier	Total Uncertainty	Value (pCi/g)	Total Uncertainty	Value (pCi/g)	Qualifier	Total Uncertainty	Value (pCi/g)	Total Uncertainty	Value (pCi/g)	Qualifier	Total Uncertainty	Value (pCi/g)	Total Uncertainty
Radioisotope	**Analytical Method**	**[1]EPA SSAL**																									
Actinium-228 (Ac-228)	EPA 901.1		NA		NA	1.923	0.053	NA		NA	0.677	0.041	NA		NA	2.01	0.063	NA		NA	1.476	0.065	NA		NA	5.242	0.101
Bismuth-212 (Bi-212)	EPA 901.1		3.645		1.611	2.366	0.229	1.655		1.402	0.555	0.134	2.626		2.788	2.095	0.241	1.664		2.179	1.03	0.283	11.672		3.213	5.451	0.325
Cesium-137 (Cs-137)	EPA 901.1		0.083		0.164	0.037	0.012	0.040		0.105	0.017	0.008	0.024		0.124	NA	NA	-0.054		0.192	NA	NA	0.000		0.094	NA	NA
Lead-212 (Pb-212)	EPA 901.1		3.243		0.572	1.63	0.064	1.069		0.270	0.618	0.033	2.933		0.529	1.866	0.076	1.763		0.372	1.302	0.062	8.852		1.305	3.319	0.155
Potassium-40 (K-40)	EPA 901.1		6.619		2.015	4.121	0.248	10.112		2.253	8.801	0.368	12.813		2.983	10.853	0.471	28.213		4.922	22.276	0.855	6.414		2.096	4.122	0.275
Protactinium-234M	EPA 901.1		0.166		15.598	NA	NA	4.326		11.663	NA	NA	14.239		8.620	NA	NA	5.400		14.560	NA	NA	0.000		2.409	NA	NA
Radium-226* (Ra-226)	EPA 901.1		1.670		0.404	1.419	0.294	2.334		0.432	2.272	0.342	2.400		0.501	2.838	0.484	1.423		0.350	1.612	0.394	7.824		1.160	11.179	0.717
Radium-228 (Ra-228)	EPA 901.1		3.547		0.673	NA	NA	1.645		0.410	NA	NA	2.799		0.572	NA	NA	2.010		0.622	NA	NA	7.394		1.411	NA	NA
Thallium-208 (Tl-208)	EPA 901.1		1.133		0.265	0.677	0.030	0.370		0.122	0.218	0.017	1.000		0.245	0.651	0.032	0.665		0.198	0.404	0.029	3.216		0.535	1.731	0.058
Thorium-228 (Th-228)	EPA 901.1		0.000		3.938	NA	NA	10.586		8.458	NA	NA	6.496		9.029	NA	NA	0.000		7.404	NA	NA	15.992		12.500	0.628	16.972
Thorium-234 (Th-234)	EPA 901.1		1.484		2.819	NA	NA	2.722		2.422	1.095	0.360	2.174		2.682	3.257	0.314	0.000		1.269	NA	NA	8.803		4.205	9.635	0.609
Uranium-235 (U-235)	EPA 901.1		0.460		1.491	NA	NA	0.000		0.848	NA	NA	0.000		0.480	NA	NA	0.000		0.335	NA	NA	0.535		0.782	NA	NA
Thorium-228 (Th-228)	HSL-300		2.45		0.586	NA	NA	1.22		0.396	NA	NA	1.82		0.481	NA	NA	1.38		0.405	NA	NA	7.56		1.43	NA	NA
Thorium-230 (Th-230)	HSL-300		0.910		0.303	NA	NA	1.84		0.484	NA	NA	1.46		0.398	NA	NA	1.27		0.366	NA	NA	6.87		1.30	NA	NA
Thorium-232 (Th-232)	HSL-300		2.33		0.549	NA	NA	0.818		0.287	NA	NA	2.17		0.520	NA	NA	1.55		0.413	NA	NA	6.89		1.30	NA	NA
U-233/234	HSL-300		0.917		0.275	NA	NA	1.77		0.437	NA	NA	1.50		0.380	NA	NA	0.953		0.263	NA	NA	6.02		1.24	NA	NA
U-235/236	HSL-300		0.061		0.075	NA	NA	0.153		0.125	NA	NA	0.142		0.107	NA	NA	0.062		0.065	NA	NA	0.437		0.24	NA	NA
Uranium-238 (U-238)	HSL-300		0.943		0.271	NA	NA	1.72		0.429	NA	NA	1.33		0.348	NA	NA	1.41		0.337	NA	NA	5.87		1.21	NA	NA

Notes:
RST 3 - Removal Support Team 3.
No. - Number, NA - Not applicable.
Radium-226* analyzed via 21 days ingrowth.
Screening data collected using High Purity Germanium (HPGe) detector.
pCi/g - picocuries per gram
[1]U.S. Environmental Protection Agency (EPA) Site-Specific Action Level (SSAL) values are presented in pCi/g.
Values in red equal or exceed the EPA SSAL for the respective radioisotope.

Table 2: Preliminary Soil Analytical and Screening Results Summary Table - Radioisotopes
738 Upper Mountain Road Site
Upper Mountain Road, Lewiston, New York
November 18, 2016

	RST 3 Sample No.		UMR001-S003-0612-01					UMR001-S003-1218-01					UMR001-S003-1824-01					UMR001-S004-0006-01					UMR001-S004-0612-01				
	Sample Depth (inches)		6-12					12-18					18-24					0-6					6-12				
	Sample Matrix		Soil					Soil					Soil					Soil					Soil				
	Sample Date		11/18/2016					11/18/2016					11/18/2016					11/18/2016					11/18/2016				
	Data Type		Laboratory Analysis			HPGe Screening		Laboratory Analysis			HPGe Screening		Laboratory Analysis			HPGe Screening		Laboratory Analysis			HPGe Screening		Laboratory Analysis			HPGe Screening	
	Sample Result		Value (pCi/g)	Qualifier	Total Uncertainty	Value (pCi/g)	Total Uncertainty	Value (pCi/g)	Qualifier	Total Uncertainty	Value (pCi/g)	Total Uncertainty	Value (pCi/g)	Qualifier	Total Uncertainty	Value (pCi/g)	Total Uncertainty	Value (pCi/g)	Qualifier	Total Uncertainty	Value (pCi/g)	Total Uncertainty	Value (pCi/g)	Qualifier	Total Uncertainty	Value (pCi/g)	Total Uncertainty
Radioisotope	**Analytical Method**	**[1]EPA SSAL**																									
Actinium-228 (Ac-228)	EPA 901.1		NA		NA	3.412	0.085	NA		NA	1.45	0.056	NA		NA	1.331	0.054	NA		NA	93.395	0.956	NA		NA	94.206	0.983
Bismuth-212 (Bi-212)	EPA 901.1		10.126		2.446	3.57	0.318	3.923		1.740	1.428	0.190	3.698		1.598	1.575	0.237	133.840		20.082	97.971	2.048	104.270		15.317	98.684	2.117
Cesium-137 (Cs-137)	EPA 901.1		0.017		0.138	NA	NA	0.039		0.135	NA	NA	0.000		0.029	NA	NA	0.037		0.669	NA	NA	0.115		0.481	NA	NA
Lead-212 (Pb-212)	EPA 901.1		7.021		1.073	2.881	0.101	2.544		0.497	1.391	0.059	2.103		0.408	1.27	0.059	125.400		16.994	57.641	1.327	107.010		14.455	63.265	1.451
Potassium-40 (K-40)	EPA 901.1		28.246		4.688	18.564	0.698	29.895		5.779	18.615	0.695	26.288		4.629	22.527	0.809	8.952		6.183	NA	NA	12.193		3.949	NA	NA
Protactinium-234M	EPA 901.1		8.375		18.021	NA	NA	0.000		12.577	NA	NA	11.843		6.775	NA	NA	17.053		58.277	NA	NA	32.995		40.188	NA	NA
Radium-226* (Ra-226)	EPA 901.1		2.386		0.551	1.867	0.532	1.544		0.416	2.225	0.409	1.522		0.310	2.226	0.372	20.387		2.950	25.619	2.506	17.171		2.560	30.621	2.56
Radium-228 (Ra-228)	EPA 901.1		7.125		1.291	NA	NA	2.689		0.676	NA	NA	2.135		0.486	NA	NA	121.200		16.267	NA	NA	101.250		13.553	NA	NA
Thallium-208 (Tl-208)	EPA 901.1		2.273		0.405	1.137	0.047	1.048		0.257	0.500	0.028	0.763		0.210	0.489	0.031	44.850		6.096	31.616	0.629	35.772		4.826	32.875	0.631
Thorium-228 (Th-228)	EPA 901.1		0.953		12.964	NA	NA	0.000		5.649	NA	NA	7.101		8.728	NA	NA	169.250		37.684	67.960	5.612	153.110		39.461	71.350	5.813
Thorium-234 (Th-234)	EPA 901.1		2.013		6.952	2.368	0.302	1.731		3.010	NA	NA	0.682		4.624	NA	NA	13.509		8.427	NA	NA	22.436		13.181	NA	NA
Uranium-235 (U-235)	EPA 901.1		0.000		1.473	NA	NA	0.000		0.974	NA	NA	0.000		0.608	NA	NA	0.000		6.356	NA	NA	2.401		3.048	NA	NA
Thorium-228 (Th-228)	HSL-300		5.96		1.17	NA	NA	1.81		0.472	NA	NA	2.20		0.537	NA	NA	67.4		11.3	NA	NA	54.5		9.26	NA	NA
Thorium-230 (Th-230)	HSL-300		1.18		0.347	NA	NA	0.903		0.289	NA	NA	1.01		0.317	NA	NA	10.6		2.18	NA	NA	7.19		1.63	NA	NA
Thorium-232 (Th-232)	HSL-300		5.16		1.02	NA	NA	1.66		0.426	NA	NA	1.66		0.423	NA	NA	56.5		9.53	NA	NA	45.9		7.85	NA	NA
U-233/234	HSL-300		1.16		0.322	NA	NA	0.903		0.264	NA	NA	0.616		0.233	NA	NA	16.0		2.70	NA	NA	12.6		2.65	NA	NA
U-235/236	HSL-300		0.041		0.073	NA	NA	0.121		0.095	NA	NA	0.042		0.076	NA	NA	1.21		0.370	NA	NA	0.878		0.441	NA	NA
Uranium-238 (U-238)	HSL-300		1.35		0.354	NA	NA	0.994		0.275	NA	NA	0.885		0.274	NA	NA	15.6		2.63	NA	NA	10.5		2.27	NA	NA

	RST 3 Sample No.		UMR001-S004-1218-01					UMR001-S004-1824-01				
	Sample Depth (inches)		12-18					18-24				
	Sample Matrix		Soil					Soil				
	Sample Date		11/18/2016					11/18/2016				
	Data Type		Laboratory Analysis			HPGe Screening		Laboratory Analysis			HPGe Screening	
	Sample Result		Value (pCi/g)	Qualifier	Total Uncertainty	Value (pCi/g)	Total Uncertainty	Value (pCi/g)	Qualifier	Total Uncertainty	Value (pCi/g)	Total Uncertainty
Radioisotope	**Analytical Method**	**[1]EPA SSAL**										
Actinium-228 (Ac-228)	EPA 901.1		NA		NA	184.732	1.825	NA		NA	30.030	0.385
Bismuth-212 (Bi-212)	EPA 901.1		58.144		10.790	193.849	3.774	244.510		34.048	31.833	1.083
Cesium-137 (Cs-137)	EPA 901.1		0.000		0.091	NA	NA	0.021		0.772	NA	NA
Lead-212 (Pb-212)	EPA 901.1		43.400		6.013	106.704	2.479	232.950		31.355	26.470	0.581
Potassium-40 (K-40)	EPA 901.1		29.517		6.155	24.248	1.316	21.018		7.619	21.572	0.868
Protactinium-234M	EPA 901.1		0.897		41.284	NA	NA	22.633		65.987	NA	NA
Radium-226* (Ra-226)	EPA 901.1		7.840		1.448	50.317	4.016	36.575		5.021	11.097	1.632
Radium-228 (Ra-228)	EPA 901.1		41.051		5.833	NA	NA	221.460		29.416	NA	NA
Thallium-208 (Tl-208)	EPA 901.1		14.038		2.065	63.226	1.225	78.922		10.525	10.417	0.261
Thorium-228 (Th-228)	EPA 901.1		60.470		22.484	120.836	9.677	323.850		66.646	26.200	15.223
Thorium-234 (Th-234)	EPA 901.1		8.073		8.388	96.244	6.327	15.308		23.142	NA	NA
Uranium-235 (U-235)	EPA 901.1		0.000		2.656	NA	NA	0.000		4.514	NA	NA
Thorium-228 (Th-228)	HSL-300		26.5		5.01	NA	NA	74.7		12.5	NA	NA
Thorium-230 (Th-230)	HSL-300		4.68		1.33	NA	NA	12.2		2.46	NA	NA
Thorium-232 (Th-232)	HSL-300		23.8		4.51	NA	NA	59.1		9.97	NA	NA
U-233/234	HSL-300		4.50		0.846	NA	NA	23.5		3.88	NA	NA
U-235/236	HSL-300		0.197		0.127	NA	NA	1.68		0.459	NA	NA
Uranium-238 (U-238)	HSL-300		4.17		0.794	NA	NA	24.2		3.98	NA	NA

Notes:
RST 3 - Removal Support Team 3.
No. - Number, NA - Not applicable.
Radium-226* analyzed via 21 days ingrowth.
Screening data collected using High Purity Germanium (HPGe) detector.
pCi/g - picocuries per gram
[1]U.S. Environmental Protection Agency (EPA) Site-Specific Action Level (SSAL) values are presented in pCi/g.
Values in red equal or exceed the EPA SSAL for the respective radioisotope.