**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.

**Table 1**
**Validated Groundwater Analytical Results Summary Table - Radioisotopes**
**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 |