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MINERAL EXPLORATION

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Application for Renewal of NWB Licence 2BE-MOU0914

Mouse Lake Project - Uranium Exploration Plan

Updated Version: January, 2014

The Mouse Lake Project is in the exploration drilling stage. The project is focused on the search for uranium deposits, therefore procedures have been established to provide a safe workplace for employees and cause the minimum of harm to the environment. The guidelines are based on the Mineral Industry Environmental Protection Regulations (Sask. 1996); the Environmental Management and Protection Act (Sask. 2002); the Canadian Transportation of Dangerous Goods Act; and Cameco's Exploration Radiation Safety Program Manual. The procedures will be revised if the exploration project is successful in identifying a deposit warranting a more intensive, delineation drill program.

At each drill site a suitable natural depression is sought to serve as a sump for the disposal of cuttings, sludge and return water that cannot be re-circulated during the drilling process. The sump must be a minimum of 30 meters above the ordinary high water mark of any adjacent water body, at locations where direct flow into a water body is not possible and no additional impacts are created. Upon completion of the drill hole, the sump is backfilled and restored to the pre-existing natural contour of the land.

If uranium mineralization is encountered in a drill hole, the drill mud solids and cuttings with a uranium concentration greater than 0.05 per cent must be collected pending completion of the hole at which time they will be disposed down the drill hole and sealed by grouting the upper 30 meters of bedrock.

Any drill hole that encounters mineralization with uranium content greater than 1.0 per cent over a length of > 1.0 metre, and with a metre-per-cent concentration > 5.0, will be sealed by grouting over the entire length of the mineralization zone and not less than 10 metres above or below each mineralization zone. The top 30 metres of the hole within bedrock will also be sealed by grouting once any radioactive cuttings and sludge have been disposed down the hole.

A separate logging tent will be used at the camp for handling and temporary storage of radioactive core having a uranium content greater than 1.0 percent over a length of > 1.0 metre. Once the uranium content has been established by assaying, a decision will be made on the long range storage of the core. If stored on the property, it must be a minimum of at least 30 metres above the high water mark of any adjacent water body, where any direct flow into a water body is not possible and no additional impacts are created. Additionally, radiation levels must be reduced to less than 1.0 μSv measured at 1 metre from the surface and in no instance will the level be allowed to exceed 2.5 μSv. To avoid the difficulties involved with long term storage of significantly radioactive core on the property, the Company will ship the mineralized

core having greater than the minimum radiation levels stated above to the Saskatchewan Research Council laboratory in Saskatoon. The core will in all probability undergo further testing and any remnants will be stored in the laboratory's approved radioactive materials storage facility.

The Company has a contract with the National Dosimetry Services branch of Health Canada to provide monitoring of radiation exposure for the personnel involved with core or samples that may contain radioactive minerals. Each individual is provided with a badge which they carry on their torso at all times. The badges are replaced every three months. The used badges are read and a report on radiation exposure levels is provided by NDS for each individual.

The shipping of radioactive materials (Class 7) from the Project site is controlled by the Transportation of Dangerous Goods Act and Regulations. The Regulations stipulate that Low Specific Activity consignments will be shipped as Excepted Packages if the radiation on the external surface does not exceed 5µSv/hr. The container must bear the UN Number PTNSR 17(2) and contain a marking of "radioactive" on an internal surface that is visible upon opening the package.

In conformity with Part J, Item 7 of NWB Licence 2BE-MOU0914, where uranium mineralization has been encountered, under the conditions specified in Part F, Item 4 and Part I, Items 13 and 14 of NWB Licence 2BE-MOU0914, the Company will monitor the drill sumps and core storage areas to provide the necessary data needed in order to assess and ensure that the mitigation measures required for restoration under the Abandonment and Restoration Plan have been completed.

The Company has an 'INSPECTOR' dose level meter distributed by Canadawide Scientific Limited to determine radiation levels in Sieverts, a spectrometer capable to differentiate the radiation by mineral type and provide assays in ppm U, as well as scintillometers for general cps levels.