



T S X V : U V N

NEWS RELEASE – May 19, 2009

Cigar Lake Uranium Deposit Orientation Survey

Uravan Minerals Inc. (“Uravan”) (TSXV: UVN) and the Queen’s Facility for Isotope Research (QFIR) have entered into a collaborative research study with AREVA Resources Canada Inc. (AREVA). The proposal involves conducting a surface sampling geochemical survey (geochemical orientation survey) over part of the Cigar Lake uranium deposit. The Cigar Lake deposit is on the Waterbury/Cigar uranium property (a joint venture partnership between Cameco Corporation, AREVA, Idemitsu Kosan Co. Ltd., and Tokyo Electric Power Co. [TEPCO]) located in the Athabasca Basin, Saskatchewan. The purpose of the sampling program is to develop new innovative exploration technologies that will identify the surface expressions of deeply buried unconformity related uranium deposits. The field-based multi-faceted sampling program will be completed in early summer 2009. The Cigar Lake geochemical orientation survey will be carried out and funded by Uravan.

Uravan’s vision is to leverage new technology for the rapid and cost effective exploration of its current and future land positions located in sandstone basins that are known, or anticipated, to host large unconformity related uranium deposits such as its Boomerang and Garry Lake uranium properties in the Thelon Basin and its planned future land positions in the Athabasca Basin. Uravan is focused on the development of new exploration technologies that will lead to the discovery of the next generation of large high-grade uranium deposits hosted in ancient sandstone basins. The development of successful new technologies for the exploration of buried uranium deposits is one of Uravan’s key business strategies.

To advance this vision, in 2008 Uravan entered into a multi-year collaborative research agreement with QFIR at Queen’s University. QFIR was established in 1997 under the direction of Dr. Kurt Kyser. Research interests at QFIR include stable isotope geochemistry, evolution of fluids in basins, low-temperature geochemistry, geochronology and fluid-rock interactions. The focus of the Uravan-QFIR collaborative work is the study of uranium deposit geology, and the development of new biogeochemical, and lithogeochemical exploration techniques that will assist in imaging buried high-grade uranium deposits.

About Uravan Minerals Inc.

Uravan is a Calgary; Alberta based R&D mineral exploration company specializing in uranium exploration. Uravan is focused on pursuing exploration for potential high-grade unconformity related uranium deposits on its joint Cameco-Uravan Boomerang uranium project and its Garry Lake uranium project plus the acquisition of other potential uranium properties or opportunities that may exist. Uravan is a publicly listed company on the TSX Venture Exchange under the trading symbol UVN. Uravan has 26,707,614 shares outstanding and approximately \$9.0 million in working capital. All of the mineral properties Uravan owns are considered in the exploration stage of development.

This press release may contain forward looking statements including those describing Uravan’s future plans and the expectations of management that a stated result or condition will occur. Any statement addressing future events or conditions necessarily involves inherent risk and uncertainty. Actual results can differ materially from those anticipated by management at the time of writing due to many factors, the majority of which are beyond the control of Uravan and its management.

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The TSX Venture Exchange has not reviewed and does not accept responsibility for the adequacy or accuracy of this release.
