

June 21, 2010

Keith McConnell, Deputy Director
Decommissioning & Uranium Recovery Licensing Directorate
U.S. Nuclear Regulatory Commission
Office of Federal and State Materials &
Environmental Management Programs
MS T-8F5, 11545 Rockville Pike
Rockville, MD 20852

Re: Irigaray / Christensen Ranch - Materials License SUA-1341
Moore Ranch - Materials License Application (Docket No. 40-9073)
Jab & Antelope – Materials License Application (Docket No. 40-9079)
Ludeman – Materials License Application (Docket No. 40-9095)

Dear Mr. McConnell:

This letter is written in response to Mr. Ron Linton's inquiry concerning Uranium One, Inc.'s ("Uranium One") pending transaction ("Transaction") with JSC Atomredmetzoloto¹ ("ARMZ"). Included below please find a description of the proposed Transaction and a discussion of the effect of the proposed Transactions on the NRC License and Applications held by Uranium One and its subsidiaries.

1. Description of Transaction

On June 8, 2010, Uranium One entered into a Purchase and Subscription Agreement ("PSA") with ARMZ and its wholly owned subsidiaries Effective Energy N.V., a Dutch limited liability company ("Effective Energy") and Uranium Mining Company, a Russian open joint stock company ("UMC"). Under the PSA, Uranium One will receive US\$610 million and interests in two uranium mines in southern Kazakhstan from Effective Energy and UMC in return for issuing 356 million new common shares of Uranium One to Effective Energy. ARMZ, and its subsidiaries, currently own 23.1% of Uranium One's outstanding common shares. Upon the completion of the Transaction, ARMZ, and its subsidiaries, will own not less than 51% of Uranium One's outstanding common shares.

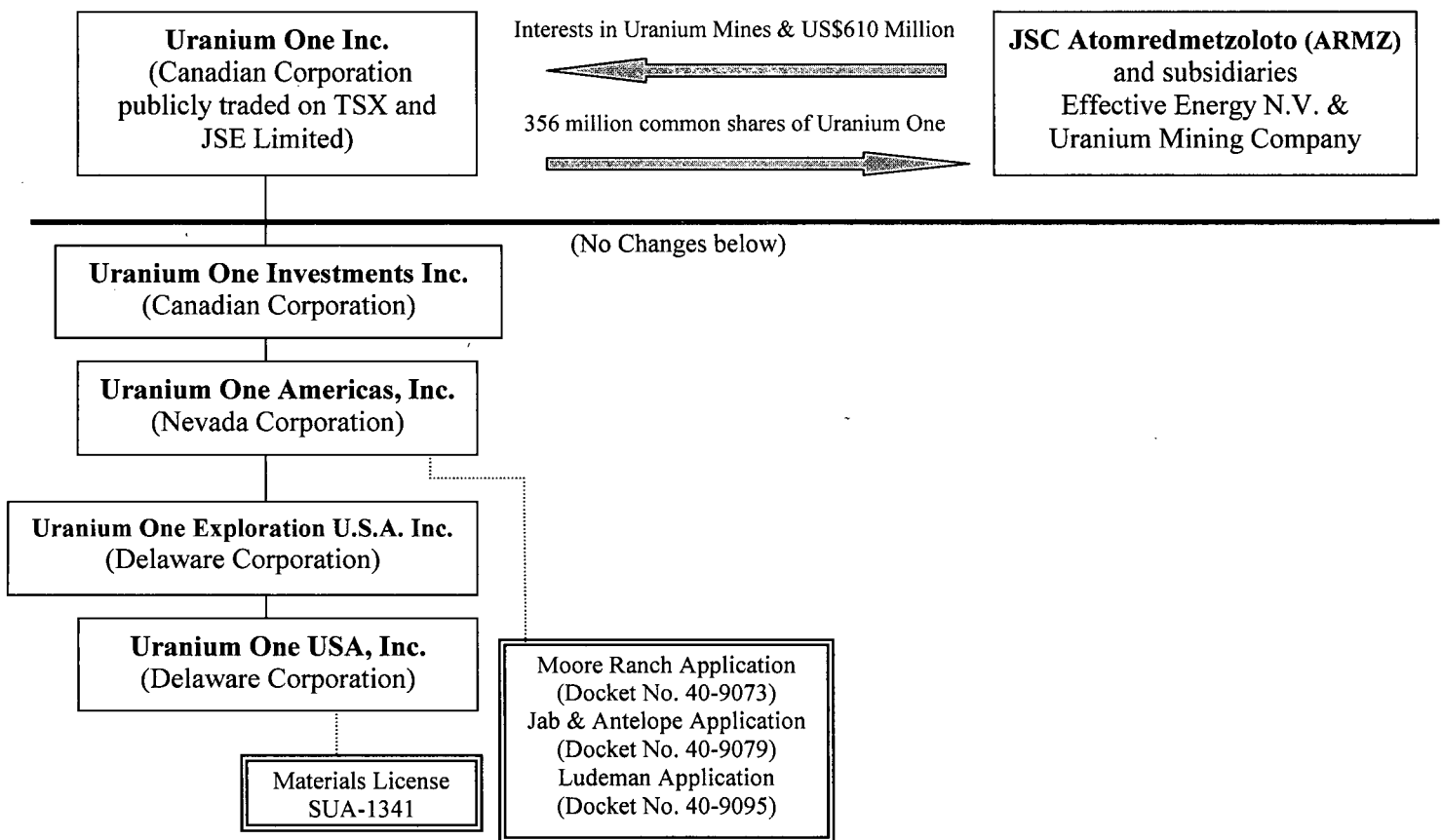
Uranium One will remain a public company listed on the Toronto Stock Exchange with a secondary listing on the JSE Limited (the Johannesburg stock exchange) after closing of the Transaction. In addition, upon closing of the Transaction, Uranium One's Board of Directors will be reduced from its current size of thirteen directors to nine directors through resignations of four current directors. Of those nine remaining directors, ARMZ will be entitled to nominate five. However, because Uranium One will remain a public company in Canada, two of the five ARMZ appointees must be "independent directors" as defined under Canadian National

¹ ARMZ is owned by JSC Atomenergoprom and JSC Atomenergoprom's wholly-owned subsidiary JSC TVEL. JSC Atomenergoprom is a wholly owned subsidiary of JSC Rosatom. JSC Rosatom is a Russian state corporation that administers all of Russia's nuclear industry.

Instrument 52-110², which will assure that Uranium One's Board of Directors will continue to have a majority of independent directors.

Additionally, as long as ARMZ together with its affiliates (including Effective Energy) owns 10% or more of the total number of issued and outstanding common shares of Uranium One, ARMZ has the right to place two individuals into Uranium One management positions. One such management position must be located in Kazakhstan. Neither of the positions may be located in the United States and no appointee may be given any management role with respect to any of the assets, facilities or properties located in the United States ultimately owned by Uranium One.

Diagram of Transaction



² Subsection 1.4(1) of National Instrument 52-110 defines independence to mean the absence of any direct or indirect material relationship between the director and the issuer. The Instrument describes those individuals having a relationship with an issuer that would reasonably be expected to interfere with the exercise of the individual's independent judgment to include individuals who have been an employee or executive officer of the issuer within the last three years, or whose immediate family member has been an executive officer of the issuer within the last three years. The definition also includes individuals who i) are partners of the issuer's internal or external auditing firm, ii) are employees of the auditing firm, or iii) were partners or employees of the auditing firm and personally worked on the issuer's audit during that time.

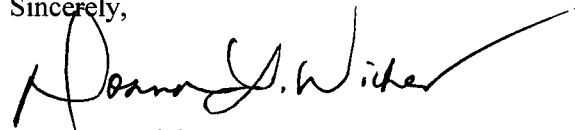
2. **NRC Licenses and Applications**

The proposed Transaction will have no effect upon the NRC Licenses and Applications held by Uranium One subsidiaries. As you are aware, Uranium One USA, Inc. (“Uranium One USA”), a wholly owned subsidiary of Uranium One, operates the Irigaray Facility in Johnson County, Wyoming and the Christensen Ranch Facility in Johnson and Campbell Counties, Wyoming (“Facilities”) under Materials License SUA-1341 (“License SUA 1341”). The proposed Transaction will not effect (i) the personnel having control over licensed activities (including the Radiation Safety Officer); (ii) the use, possession, location, or storage of licensed materials; (iii) Uranium One USA’s organization; (iv) the facilities, equipment and records associated with License SUA-1341; (v) any of the operating or safety procedures associated with License SUA-1341; or (vi) the surety arrangements, bonds and letters of credit associated with License SUA-1341. All Uranium One subsidiaries in the United States, including Uranium One Americas, Inc. and Uranium One USA will remain the same, with the same officers and directors both prior to and after the proposed Transaction.

While the proposed Transaction will have no effect on Uranium One’s operations and activities in the United States or upon the License SUA-1341, based upon the guidance presented in NUREG-1556, Vol. 15 *Consolidated Guidance About Materials Licenses*, Uranium One USA assumes that it must submit a formal change of control application relating to License SUA-1341 addressing the proposed Transaction, and assumes no filing is required with respect to the Moore Ranch, Jab & Antelope and Ludeman applications. If these are correct assumptions, your concurrence would be appreciated. If there is any additional information that you deem necessary for this particular change of control application, please advise.

If you have any questions about this letter or the proposed Transaction, please contact me at (307) 234-8235, ext. 333 or donna.wichers@uranium1.com.

Sincerely,



Donna L. Wichers
Senior Vice President, ISR Operations
Uranium One USA, Inc.