March 30, 2011

Mr. John P. Schmuck
Senior Permitting Manager
Cameco Resources
2020 Carey Avenue, Suite 600
Cheyenne, WY 82001

SUBJECT: NRC APPROVAL OF CAMECO RESOURCES' REQUEST FOR WITHHOLDING INFORMATION FROM PUBLIC DISCLOSURE FOR CROW BUTTE URANIUM IN SITU RECOVERY FACILITY (TAC J00555)

Dear Mr. Schmuck:

By e-mail dated March 15, 2011 (Agencywide Documents Access and Management System (ADAMS) accession No. ML110760153), Cameco Resources (Cameco) submitted an affidavit dated March 14, 2011, executed by you, requesting that the information contained in the following document be withheld from public disclosure pursuant to Title 10 of the Code of Federal Regulations (10 CFR), Part 2, Section 2.390:

> Solubility of Radionuclides in Simulated Lung Fluid, Part 3: ISR and RLO Samples, Project No. 200183, Report No. RC 09-05, October 2009.

Cameco previously submitted a nonproprietary version of this document with its September 17, 2010, response to U.S. Nuclear Regulatory Commission (NRC) staff's open issues related to the license renewal of its Crow Butte uranium in situ recovery facility. This document has been added to the ADAMS Public Electronic Reading Room (ADAMS accession # ML102640195). In addition, Cameco provided a nonproprietary summary of this information titled "Cameco Resources In-Situ Recovery Process-Specific Yellowcake Solubility Characteristics," dated March 14, 2011, with its affidavit in the March 15, 2011, e-mail noted above.

The affidavit stated that the submitted information should be considered exempt from mandatory public disclosure for the following reasons:

1. The data and information contained in the above-mentioned report have been held in confidence by Cameco. Cameco does not provide such information to public or private entities.

2. The data and information contained in the above-mentioned report are being transmitted to NRC Staff to support the Crow Butte license renewal application in confidence.

3. Cameco has previously submitted a less detailed version of the report also entitled *Solubility of Radionuclide in Simulated Lung Fluid* to the NRC public record (ML102640195). This report was also presented publicly at the Uranium 2010, Proceedings of the 3rd International Conference on Uranium, in Saskatoon, Saskatchewan, Canada.

4. The added detail provided in the subject report does not significantly add to the understanding of the less detailed report already provided to the NRC. Further, other information has been intentionally included in the submission entitled Cameco Resources In-Situ Recovery Process-Specific Yellowcake Solubility Characteristics to fill information gaps.

5. If not submitted to NRC as part of the Cameco clarification of previous responses, this report would be protected as proprietary information and kept confidential as it represents substantial effort and expense incurred by Cameco over a nine year period to develop a scientifically sound method to assess site-specific solubility data for uranium products.

6. Publication of this report would cause significant harm to Cameco, as its competitors would replicate these scientific methodologies, harm the Cameco competitive advantage and cause the substantial time and money invested by Cameco to be wasted.

7. Cameco understands that withholding the designated data and information does not deprive any independent party from inspecting the confidential information under the terms of an appropriate protective order in the context of an NRC licensing hearing or other administrative proceeding.

We have reviewed your application and the material in accordance with the requirements of 10 CFR 2.390 and, on the basis of your statements, have determined that the submitted information sought to be withheld contains proprietary commercial information and should be withheld from public disclosure.

Therefore, the version(s) of the submitted information marked as proprietary will be withheld from public disclosure pursuant to 10 CFR 2.390(b)(5) and Section 103(b) of the Atomic Energy Act of 1954, as amended.

Withholding from public inspection shall not affect the right, if any, of persons properly and directly concerned to inspect the documents. If the need arises, we may send copies of this information to our consultants working in this area. We will, of course, ensure that the consultants have signed the appropriate agreements for handling proprietary information.

If the basis for withholding this information from public inspection should change in the future such that the information could then be made available for public inspection, you should promptly notify the NRC. You also should understand that the NRC may have cause to review

this determination in the future, for example, if the scope of a Freedom of Information Act request includes your information. In all review situations, if the NRC makes a determination adverse to the above, you will be notified of the date of public disclosure, in advance, which will be a reasonable time thereafter.

If you have any questions regarding this matter, I may be reached at 301-415-6443, or by e-mail at ronald.burrows@nrc.gov.

Sincerely,

/RA/

Ronald A. Burrows, Project Manager
Uranium Recovery Licensing Branch
Decommissioning and Uranium Recovery
Licensing Directorate
Division of Waste Management
and Environmental Protection
Office of Federal and State Materials
and Environmental Management Programs

Docket No.: 40-8943
License No.: SUA-1534

cc: D. Miesbach, NDEQ
J. Abrahamson, NDEQ

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Ronald A. Burrows, Project Manager
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cc: D. Miesbach, NDEQ
J. Abrahamson, NDEQ

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