

May 23, 2011

Mr. Thomas P. Young
Vice President of Operations
Cameco Resources
2020 Carey Ave., Suite 600
Cheyenne, WY 82001

SUBJECT: DRAFT MATERIALS LICENSE, CROW BUTTE RESOURCES, INC., IN SITU
RECOVERY FACILITY LICENSE RENEWAL, CRAWFORD, NEBRASKA,
LICENSE SUA-1534 (TAC NO. J00555)

Dear Mr. Young:

By letter dated November 27, 2007, Crow Butte Resources, Inc., (CBR) submitted to the U.S. Nuclear Regulatory Commission (NRC) staff a request to renew its source material license for its uranium in situ recovery (ISR) facility located in Crawford, Nebraska. License No. SUA-1534 authorizes the licensee to operate an ISR uranium recovery facility to produce yellowcake. In response to the NRC staff's requests for additional information and open issues, CBR supplemented the application by letters dated May 12, 2009, July 13, 2009, September 17, 2010, and September 28, 2010.

Based on the staff's analysis of information provided by CBR, the staff is developing a Safety Evaluation Report (SER). Enclosed is a draft license, which is preliminary in nature and for the purpose of initiating discussions necessary to finalize the SER and EA. It should be noted that as the staff's review continues, this draft license is subject to change. As such, the disclosure of this draft license does not constitute a licensing decision by the NRC. Please review the draft license and provide comments within 14 days of receipt of this letter. Comments can be provided via letter, or email. The staff can also schedule a public meeting to discuss the draft license. Significant changes or deviations from the draft license may require additional staff review and may delay the final review schedule.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice for Domestic Licensing Proceedings and Issuance of Orders," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Website at <http://www.nrc.gov/reading-rm/adams.html>.

T. Young

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If you have any questions concerning the above, please contact me at (301) 415-6443 or via email 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

Enclosure:
Draft Source Material License

cc: See next page

T. Young

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Office of Federal and State Materials
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