

March 19, 2014

Mr. Josh Leftwich
Director of Radiation Safety and Licensing
Cameco Resources
2020 Carey Avenue
Suite 600
Cheyenne, WY 82001

SUBJECT: CAMECO RESPONSE TO U.S. NUCLEAR REGULATORY COMMISSION
REQUEST FOR ADDITIONAL INFORMATION LICENSE RENEWAL FOR
CAMECO RESOURCES SMITH RANCH HIGHLAND URANIUM PROJECT
SOURCE MATERIALS LICENSE SUA-1548 (TAC J00635)

Dear Mr. Leftwich:

By letter dated February 1, 2012, Power Resources, Inc., doing business as Cameco Resources (Cameco) submitted to the U.S. Nuclear Regulatory Commission (NRC) a request to renew Source Material License SUA-1548. License SUA-1548 authorizes Cameco to operate a uranium *in-situ* recovery (ISR) facility at its Smith Ranch Highland Uranium Project and its associated remote satellite facilities at Ruth, North Butte, and Gas Hills. The NRC staff completed its acceptance review on July 5, 2012, and issued a request for additional information (RAI) on May 2, 2013.

The NRC staff's RAI identified several aspects related to both the safety and environmental review that would need to be addressed before the NRC staff would be able to make a licensing decision. The NRC staff and Cameco have held two public meetings to discuss the contents of the RAI.

The Smith Ranch Highland facility is an operational uranium recovery facility; therefore, this license renewal review is a high priority for the NRC staff. As of March 14, 2014, the NRC staff understands that Cameco continues to develop its response to the NRC staff's RAI. At this time, the NRC staff's ability to proceed with the review is dependent on receipt of Cameco's RAI response. The NRC staff asks that Cameco identify an anticipated submittal date for its RAI responses so that the NRC staff can complete this high priority review.

In accordance with 10 CFR 2.390 of the NRC's "Agency Rules of Practice and Procedure," 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 Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

J. Leftwich

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If you have any questions regarding this matter, please contact me at (301) 415-0724, or by e-mail, at Douglas.Mandeville@nrc.gov.

Sincerely,

/RA/

Douglas T. Mandeville, Project Manager
Uranium Recovery Licensing Branch
Division of Waste Management
and Environmental Protection
Office of Federal and State Materials
and Environmental Management Programs

Docket No.: 40-8964
License No.: SUA-1548

cc: P. Rothwell, WYDEQ

J. Leftwich

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Sincerely,

Douglas T. Mandeville, Project Manager
Uranium Recovery Licensing Branch
Division of Waste Management
and Environmental Protection
Office of Federal and State Materials
and Environmental Management Programs

Docket No.: 40-8964
License No.: SUA-1548

cc: P. Rothwell, WYDEQ

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