



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

September 26, 2018

Mr. Larry Reimann  
Cameco Resources  
Smith Ranch Highland Operation  
P.O. Box 1210  
Glenrock, WY 82637

SUBJECT: RENEWAL OF LICENSE SUA-1548, POWER RESOURCES, INC., SMITH RANCH HIGHLAND URANIUM PROJECT, CONVERSE, JOHNSON, CAMPBELL, NATRONA, AND FREEMONT COUNTIES, WYOMING (EPID NOS. L-2017-RNW-0017 and L-2017-RNW-0012)

Dear Mr. Reimann:

By letter dated August 12, 2010, Power Resources, Inc., doing business as Cameco Resources (Cameco) submitted a request to the U.S Nuclear Regulatory Commission (NRC) to renew license SUA-1548 for the Smith Ranch Highland Uranium Project in Wyoming. During its initial acceptance review, the NRC staff identified a number of items that either were not consistent with the NRC's regulatory requirements or did not appear to be present in the submittal. In February 2011, the NRC staff suspended its review of the license renewal application to provide Cameco with the opportunity to address the items identified by the NRC staff. Cameco submitted a revised license renewal application on February 1, 2012. The NRC staff accepted the revised application for review on July 5, 2012. The NRC staff published an opportunity for a hearing in the *Federal Register* on September 12, 2012. No hearing requests were received.

During the course of the review, Cameco supplemented its license renewal application on February 16, 2012; November 18, 2014; December 9, 2014; April 10, 2015; April 21, 2015; March 7, 2018; July 30, 2018 and August 16, 2018. These submittals addressed the NRC staff's requests for additional information and clarifications on the application.

Pursuant to the requirements of the National Environmental Policy Act, the NRC staff prepared an environmental assessment for this action. The Finding of No Significant Impact for this action was published in the *Federal Register* on September 25, 2018.

The NRC staff found that the license renewal application, as supplemented, complies with the Atomic Energy Act of 1954, as amended (the Act) and the Commission's regulations. Based on its review, the NRC staff concludes that the license renewal application meets the applicable requirements in Title 10 of the *Code of Federal Regulations* (10 CFR) Parts 20 and 40. Specifically, in accordance with 10 CFR 40.32(b) and (c), the NRC staff finds that the licensee is qualified by reason of training and experience to use source material for the purpose that it requested, and that Cameco proposed equipment and procedures for use at Smith Ranch Highland and the associated remote satellite facilities are adequate to protect public health and minimize danger to life or property.

Therefore, in accordance with 10 CFR 40.32(d), the NRC staff finds that issuance of a renewed license for Smith Ranch Highland will not be inimical to the common defense and security or to the health and safety of the public. The NRC staff also finds in accordance with 10 CFR 40.32, after weighing the environmental, economic, technical, and other benefits against environmental costs and considering available alternatives, that the appropriate action is to renew license SUA-1548. The renewed version of license SUA-1548 (Enclosure 1) reflects several new, revised, and retracted license conditions for the Smith Ranch Highland. Cameco accepted these license conditions by emails dated September 13 and September 17, 2018. The NRC staff's safety evaluation report is provided as Enclosure 2 to this letter. The NRC staff's environmental assessment is provided as Enclosure 3 to this letter.

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. ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

If you have any questions concerning the above, please contact Douglas Mandeville at (301) 415-0724 or via email at [Douglas.Mandeville@nrc.gov](mailto:Douglas.Mandeville@nrc.gov).

Sincerely,

**/RA/**

Andrea Kock, Deputy Director  
Division of Decommissioning, Uranium Recovery  
and Waste Programs  
Office of Nuclear Material Safety  
and Safeguards

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

Closes EPIDs  
L-2017-RNW-0017  
L-2017-RNW-0012

Enclosures:

1. Source Material License SUA-1548
2. Safety Evaluation Report
3. Environmental Assessment

cc: R. Jones, WDEQ  
R. Schierman, WDEQ  
D. Adams, WDEQ

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DATE September 26, 2018

ADAMS Accession No. ML18222A513

\*via email

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