



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

May 23, 2018

Mr. Walter Nelson  
Coordinator, SHEQ  
Cameco Resources, Crow Butte  
PO Box 169  
Crawford, NE 69339

SUBJECT: AMENDMENT NUMBER THREE, CROW BUTTE RESOURCES,  
INCORPORATED, MARSLAND EXPANSION AREA IN SITU RECOVERY  
FACILITY, DAWES COUNTY, NEBRASKA

Dear Mr. Nelson:

By letter dated May 16, 2012, Crow Butte Resources, Inc. (CBR) submitted to the U.S. Nuclear Regulatory Commission (NRC) a request to amend its CBR Materials License SUA-1534 to authorize construction and operation of the Marsland Expansion Area in situ recovery (ISR) facility in Dawes County, Nebraska. On November 12, 2015, CBR submitted a revised technical report (TR) that incorporated responses to the NRC staff's requests for additional information and open issues that had accrued by that date. By letters to the applicant dated April 21, 2016, and July 5, 2016, the staff identified open issues that required responses from the applicant to allow the staff to complete its technical review. The applicant responded to these open issues by submitting updated TR pages addressing the open issues by letters dated May 20, 2016, and June 27, 2017. Finally, the applicant submitted additional clarifications to its TR on August 31, 2017, October 26, 2017, October 31, 2017, and November 8, 2017.

The staff has completed its review of the Marsland Expansion Area license amendment request and approves this request. The staff's safety review is documented in the Safety Evaluation Report for the Marsland Expansion Area ISR facility (Agencywide Documents Access and Management System (ADAMS) Accession No. ML18009A976).

Enclosed, please find Materials License No. SUA-1534, Amendment 3, and a description of administrative revisions in Amendment 3, Materials License No. SUA-1534 (Enclosure 2). CBR accepted the license conditions in this Amendment by e-mails dated January 26, 2018 (ADAMS Accession No. ML18030A831), April 16, 2018 (ADAMS Accession No. ML18108A041), and May 18, 2018 (ADAMS Accession No. ML18138A243). The license condition accepted by CBR in their May 18, 2018, submittal (ADAMS Accession No. ML18138A243) is a standard pre-operation ISR license condition.

Pursuant to the National Environmental Policy Act and the regulations in Title 10 *Code of Federal Regulations* (CFR) Part 51, the staff prepared an Environmental Assessment for this action (ADAMS Accession No. ML18103A145). The staff published a final Finding of No Significant Impact for this action in the *Federal Register* on May 3, 2018, 83 FR 19576 (ADAMS Accession No. ML18033B031).

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

If you have questions regarding this action, please contact Tom Lancaster of my staff at (301) 415-6563 or, by e-mail, at [Thomas.Lancaster@nrc.gov](mailto:Thomas.Lancaster@nrc.gov).

Sincerely,

**/RA/**

Michele Sampson, Acting Deputy Director  
Division of Decommissioning, Uranium Recovery  
and Waste Programs  
Office of Nuclear Material Safety  
and Safeguards

Docket No. 040-08943  
License No. SUA-1534

Closes EPID NOS. L-2017-DEY-0003 AND L-2017-DEY-0003

Enclosures:

1. Amendment No. 3, Materials  
License No., SUA-1534
2. Administrative Revisions in  
Amendment 3, Materials  
License No. SUA-1534,

cc: D. Miesback, NDEQ

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FACILITY, DAWES COUNTY, NEBRASKA **May 23, 2018**

**DISTRIBUTION:** R. Kellar, R-IV, B.Baca, R-IV, R. Burrows

**ADAMS Accession No.: ML18117A293**

**\*concurrence via e-mail**

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