



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

December 14, 2018

Mr. Walter Nelson  
Coordinator, SHEQ  
Crow Butte Resources, Inc.  
86 Crow Butte Road  
Post Office Box 169  
Crawford, NE 69339-0169

SUBJECT: CROW BUTTE RESOURCES, INC., CROW BUTTE PROJECT - AMENDMENT  
NO. 4 TO SOURCE MATERIALS LICENSE SUA-1534, ALTERNATE  
DECOMMISSIONING (GROUNDWATER RESTORATION) SCHEDULE

Dear Mr. Nelson:

By letter dated April 3, 2018 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML18102A539), and email dated July 3, 2018 (ADAMS Accession No. ML18191B238), Cameco Resources, Crow Butte Operation (CBR) requested a license amendment for an alternate decommissioning (groundwater restoration) schedule for the Crow Butte Project. This request contained a summary of restoration activities being conducted by CBR. In conformance with Title 10 of the *Code of Federal Regulations* (10 CFR) 40.42 and license condition (LC) 10.2.2, CBR seeks U.S. Nuclear Regulatory Commission (NRC) approval to extend the period of groundwater restoration beyond currently approved schedules for Mine Units 2–6 (refer to LC 10.2.2 of ADAMS Accession No. ML18117A295).

The NRC staff has reviewed the request for an alternate decommissioning (groundwater restoration) schedule and finds it to be acceptable. Therefore, the NRC staff is approving the request and is modifying LC 10.2.2 of Source Materials License SUA-1534 to incorporate the revised schedule. The enclosed Technical Evaluation Report documents the NRC staff's review of this request.

By e-mail dated November 8, 2018 (see ADAMS Accession No. ML18313A022), CBR agreed to the change in Materials License SUA-1534.

This change involves a schedule change as a result of a change in process operations and thus meets the criteria for categorical exclusion under 10 CFR 51.22(c)(11). Therefore, no environmental review under the National Environmental Policy Act was performed for this action. As required by SRM-SECY-83-286, a memorandum (Enclosure 3) has been prepared by the Division Director (or his designee) explaining why this action qualified for the exclusion.

As a result of this amendment, the NRC staff has completed its work on Enterprise Project Identifier (EPID) L-2018-LLA-0093 (Crow Butte - GW Restoration Alt Decom Sched MU 2–6 Amend Request). Therefore, this EPID will be closed with no further charges against it.

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

W. Nelson

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Document Room or from the Publicly Available Records component of NRC's ADAMS. ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

If you have any questions, please contact Mr. Ronald A. Burrows, Project Manager, at 301-415-6443 or by email at [ronald.burrows@nrc.gov](mailto:ronald.burrows@nrc.gov).

Sincerely,

**/RA/**

Bill Von Till, Branch Chief  
Uranium Recovery and Materials  
Decommissioning Branch  
Division of Decommissioning, Uranium Recovery  
and Waste Programs  
Office of Nuclear Material Safety  
and Safeguards

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

Enclosures:

1. Amendment No. 4, Source and Byproduct Materials Lic. SUA-1534
2. Technical Evaluation Report for Amendment 4, Lic. SUA-1534
3. Memo explaining why this action qualifies for the categorical exclusion under 10 CFR 51.22(c)(11)

cc: D. Pavlick, Cameco Resources  
D. Miesback, NDEQ

SUBJECT: CROW BUTTE RESOURCES, INC., CROW BUTTE PROJECT - AMENDMENT NO. 4 TO SOURCE MATERIALS LICENSE SUA-1534, ALTERNATE DECOMMISSIONING (GROUNDWATER RESTORATION) SCHEDULE **DATE December 14, 2018**

**ADAMS Accession No.: ML18268A210**

**\*via email**

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|--------|-----------|------------|-----------|----------------------|-----------|
| OFFICE | NMSS/DUWP | NMSS/DUWP  | NMSS/DUWP | OGC                  | NMSS/DUWP |
| NAME   | RBurrows  | TLancaster | SAchten   | MSimon<br>via e-mail | BVonTill  |
| DATE   | 10/3/18   | 10/3/18    | 10/4/18   | 12/6/18              | 12/14/18  |

**OFFICIAL RECORD COPY**

**Enclosure 1**  
**License SUA-1534, Amendment 4**

**Enclosure 2**  
**Technical Evaluation Report**  
**License SUA-1534, Amendment 4**

## **Enclosure 3**

**Memorandum explaining why this action  
qualifies for the categorical exclusion under  
10 CFR 51.22(c)(11)  
License SUA-1534, Amendment 4**