



# Department of Environmental Quality



To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

Matthew H. Mead, Governor

Todd Parfitt, Director

April 5, 2018

Mr. Larry Reimann  
Manager Compliance & Licensing  
Cameco Resources  
Smith Ranch-Highland  
P.O. Box 1210  
Glenrock, WY 82637

**RE: 2017-2018 Annual Report Review and Request for Additional Information, Cameco Resources, North Butte ISR Project, Permit No. 632**

Dear Mr. Reimann:

The Wyoming Department of Environmental Quality/Land Quality Division (LQD) has reviewed the 2017-2018 Annual Report for Cameco Resources' North Butte ISR Project, Permit No. 632. The enclosed memorandum provides LQD's review comments which request revisions to the Report in order to complete the review. Please see the enclosed review memorandum and submit the requested revisions. Once adequate responses are received, this Annual Report may be closed-out.

If you have any questions, please contact me at 307-675-5619.

Sincerely,

Luke McMahan, P.G.  
Project Geologist  
WDEQ-LQD District 3

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Attachment: 2017-2018 Annual Report Review Memorandum

cc: LQD Cheyenne (w/ attachment)  
Mr. Doug Mandeville, U.S. NRC, MS T-8F5, 11545 Rockville Pike, Rockville, MD 20852  
(w/ attachment)

LMK  
4/5/18





WYOMING

**2017-2018 Annual Report Review Memorandum**

TO: File: PT632, Cameco Resources, North Butte ISR Project, 2017-2018 Annual Report

FROM: Luke McMahan, Project Geologist, District III *LM*

DATE: April 5, 2018

SUBJECT: Permit No. 632, North Butte ISR Project, 2017-2018 Annual Report Review

**DISCUSSION:**

This memorandum presents my review comments for the Cameco Resources, North Butte ISR Project 2017-2018 Annual Report. The following comments have been provided to Cameco North Butte under cover letter dated April 5, 2018 and request Cameco to provide revisions in order to complete review of the subject Annual Report. The Report was received by LQD District III on January 29, 2018 under cover letter dated January 22, 2018 from Mr. Larry Reimann of Cameco Resources. The Report covers the activities at the North Butte ISR Project for the period of January 1, 2017 through December 31, 2017. The WDEQ/LQD In Situ Annual Report Format (ISARF July 2013) was utilized in reviewing the contents of this Annual Report.

**REVIEW COMMENTS:**

**General Review**

1. The table provided under Section B, Page 5 indicates the year 2016 for the associated flow data. Please revise this table so that it correctly indicates that the flow data is from the year 2017.
2. The Table of Contents indicates that Appendix C contains the Reclamation Schedule. The Reclamation Schedule provided in the Report is labeled Attachment D. Please correct the heading so that it agrees with the Table of Contents.
3. Please consider inserting divider pages for each of the four appendices; A, B, C & D.

**Reclamation Performance Bond Estimate Review**

Review of the Reclamation Performance Bond finds the estimate to be adequate. The bond estimate of \$22,526,000 provided with the 2017-2018 Annual Report represents a decrease of \$5,212,300 from the bond amount of \$27,738,300 currently held by LQD. This decrease appears to be primarily the result of postponed development of Mine Unit 3 North and Mine Unit 3 South.

**SUMMARY:**

In accordance with the comments listed above, revisions are required in order to complete the review of the subject annual report.

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