



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 11, 2014

Mr. Ken Garoutte
Cameco Resources
PO Box 1210
Glenrock, WY 82637

**Subject: TFN 5 6/331, Approval of Non-Significant Revision (NSR)
Smith Ranch Impoundment Leak Investigation
Permit 633, Cameco Resources, Change No. 56**

Dear Mr. Garoutte:

This letter serves as the Land Quality Division's (LQD) approval for the above referenced NSR for the investigation of a groundwater plume associated with the Smith Ranch Impoundments. The documentation including the Plan for the Investigation and the subsequent Investigation Report will be filed in the Permit Special Volume, *Impoundment Reports*.

Please provide the Index of Changes for the insertion into the appropriate document. LQD will insert the approved pages into the permit document according to the Index of Changes and track the revision as **Change Number 56**.

If you have any questions, please contact me at pam.rothwell@wyo.gov or 777-7048.

Sincerely,

Pam Rothwell
District 1 Assistant Supervisor
Professional Geologist
Land Quality Division

Enclosure

cc: Cameco Resources, Cheyenne
Doug Mandeville, NRC



INTRODUCTION

The Land Quality Division (LQD) received the responses to LQD review comments on September 18, 2013. This review concludes the review of the Investigation Plan and the follow-up results of the investigation of the Smith Ranch Storage Ponds. Because the ponds contain U₂ bi-product waste material, the NRC also reviewed the investigation results. The LQD is satisfied that the investigation has determined that a contamination plume was not identified as a result of cumulative leaks of the ponds over the life of the ponds. The comments sent to CR on June 4, 2013 were non-technical but necessary to finalize the review of the report. Responses to the comments are all acceptable.

COMMENTS

1. Response Acceptable. Figure 1 has been supplied. **(SI)**
2. Response Acceptable. The response is acceptable for the purpose of the impoundment leak investigation. Cameco has no records regarding a disposal site at this location. It is recommended, but not required, that Cameco investigate this site to determine if it contains toxic or hazardous materials. **(SI)**
3. Response Acceptable. The notation in the consultant's inspection report was incorrect. **(SI)**
4. Response Acceptable. Cameco agrees to incorporate the Investigation Report as reviewed under the TFN into the Permit 633 Special Volume, Impoundment Reports. An index of change will be provided when the approval is issued. **(PCR)**