



# 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

John Corra, Director

December 2, 2011

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

**RE: TFN 3 1/251, PSR-2 Well Installation Proposal  
Permit 603, Cameco Resources (CR)**

Dear Mr. Garoutte:

The Land Quality Division (LQD) has completed the review of responses to comments with many responses deemed unacceptable. As the well installations are important for obtaining critical information to resolve long standing annual report review comments as well as recent concerns of the Nuclear Regulatory Commission, the LQD asks for adequate response to the comments in a timely manner.

The LQD would also appreciate a timeline for the completion of the well installations and the responses to the annual report review comments (2007-2008 AR, Comments 23-34).

If you have any questions, please contact me at [pam.rothwell@wyo.gov](mailto:pam.rothwell@wyo.gov) or 777-7048.

Sincerely,

Pam Rothwell  
District 1 Assistant Supervisor  
Land Quality Division

Enclosure

cc: Cameco Resources, Cheyenne, WY  
Doug Mandeville, NRC  
2007-2008 Annual Report, Permit 603



INTRODUCTION

The LQD received the proposal for new well installations on October 4, 2011. The wells will be used to obtain information to evaluate whether the treated wastewater from PSR-2 is leaking into shallow groundwater and/or shallow sand units. LQD sent review comments to CR on October 13, 2011 with responses to the comments received on November 14, 2011. LQD has reviewed the responses and finds many responses are not acceptable.

COMMENTS

1. **Response Not Acceptable.** The response describes an expanded scope of investigation not described in the Characterization Plan. The Characterization Plan needs to be updated to include the expanded scope of the investigation. **(SI)**
2. **Response Conditionally Acceptable.** CR states that they will adjust the location of the proposed background well. The adjusted location of the background well is not shown. Please show the new proposed location for the background well. **(SI)**
3. **Response Not Acceptable.** The response states that there are additional 140 Sand wells located in the northern portion of Mine Unit C that will be included in future submittals. The location, number and adequacy of these wells is not shown. Please show the location and number of additional wells. **(SI)**
4. **Response Not Acceptable.** See response to Comment #3. Please show the location of the additional wells south of the southwest portion of the reservoir. **(SI)**
5. Response Acceptable. Thank you. **(SI)**
6. **Response Not Acceptable.** CR states that the post-2007 data will be included in future graphs. Please include the post-2007 data on the graph. **(SI)**

NEW COMMENT

- 7 Despite efforts to expedite the review for the PSR-2 well installations, it appears the wells may not be installed until next year (spring 2012). Therefore, it is requested that CR provide a reasonable timeline proposing the dates for well completions and submittal of acceptable responses to Annual Report comments (2007-2008 AR, Comments 23-34). **(PCR)**