



CAMECO RESOURCES
Smith Ranch-Highland
Operation
Mail:
P.O. Box 1210
Glenrock, WY
82637 USA

October 28, 2015

Tel: (307) 358-6541
Fax: (307) 358-4533
www.cameco.com

CERTIFIED MAIL # 7015 0640 0001 4722 6496

Mark Rogaczewski, District 3 Supervisor
Wyoming Department of Environmental Quality
Land Quality Division
2100 West 5th Street
Sheridan, WY 82801

**Release of Solutions Report, Booster Station #3
Cameco Resources, Smith Ranch Highland Uranium Project, Permit 633
NRC Source Material License SUA-1548**

Dear Mr. Rogaczewski:

In accordance with Wyoming Department of Environmental Quality (WDEQ) regulation and the NRC License SUA 1548, Power Resources, Inc. d/b/a Cameco Resources (Cameco) notified (via email) WDEQ Emergency Response Coordinator Joe Hunter, Mr. Miles Bennett of Wyoming Department of Environmental Quality, Land Quality Division (LQD) and Mr. Doug Mandeville, Nuclear Regulatory Commission (NRC) on October 23, 2015 that a release occurred at Smith Ranch-Highland Uranium Project in Converse County, Wyoming. The release was recorded in the WQD Report a Spill or Release online database, Incident Id: 151023-1111 on October 23, 2015.

The release occurred in between Mine Unit 3 and Mine Unit 7 at Booster Station #3. Cameco Resources determined that the release had a volume of approximately 41 gallons of production fluid. The release was determined to be the result of a failure of a mechanical pump seal. The fluid released flowed from the point of failure and entered a dry draw adjacent to the booster station building. The flow was stopped upon discovery during an inspection. The perimeter of the release was mapped.

A samples of the fluid released was collected on October 23, 2015 and analyzed for uranium. The result of the analysis showed uranium content of 24 ppm. The released solution is not considered hazardous material under RCRA and is not reportable under SARA; the area is not considered hazardous. The release constitutes 11e2 Material as defined by the NRC "...tailings or wastes produced by the extraction or concentration of uranium or thorium from any ore processed primarily for its source material content." and is therefore regulated under the NRC. The release will be assessed at the time of decommissioning according NRC rules and regulations. The site RSO (Radiation Safety Officer) will determine the radiological properties and potential impacts.

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The release was located in the NW ¼ of the SW ¼, in Section 26, T36N, R74W, of Converse County, Wyoming. A field map is attached showing location and extent of the release. The release will be updated into the site base map for inclusion in the Annual Report.

Please contact me at 307-358-6541, ext. 476 or Kenneth_Garoutte@cameco.com if you have questions.

Respectfully,



Ken Garoutte
Manager of Safety, Health, Environment and Quality (SHEQ)

KG/nsb

Attachments: Map

cc: File SR 4.3.3.1
Special Volume: Wellfield Release, Spill Reports
Mr. Doug Mandeville, NRC Certified Mail # 7015 0640 0001 4722 6502
Document Control Desk, NRC Certified Mail # 7015 0640 0001 4722 6519
Mr. Joe Hunter – Water Quality Division Certified Mail # 7015 0640 0001 4722 6526

ec: Cameco Resources-Casper
xc: LQD Cheyenne Files

