



April 7, 2014

ATTN: Document Control Desk

Mr. Drew Persinko, Deputy Director
Decommissioning and Uranium Recovery Licensing Directorate
Division of Waste Management and Environmental Protection
Office of Federal and State Materials and Environmental Management Programs
Mailstop T8 F5
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

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

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

CERTIFIED MAIL #7013 0600 0002 3995 2948

RE: NRC License SUA-1548, Docket No. 40-8964, Smith Ranch-Highland Uranium Project
Storm Water Management Ponds at Highland Central Processing Facility

Dear Mr. Persinko:

Power Resources, Inc. d/b/a Cameco Resources (Cameco) is herein providing a response to the U.S. Nuclear Regulatory Commission's (NRC's) letter dated January 14, 2014, regarding storm water management questions that were raised during the NRC's inspection of the ExxonMobil (Exxon) Highland facility, which is adjacent to Cameco's Highland Central Processing Facility (CPF).

Since being acquired from Exxon, the two ponds located at the Highland CPF have been used as catchment basins for storm water runoff in the CPF area with the first (unlined) pond serving as the primary catchment basin and the second (lined) pond serving as a secondary catchment basin. As you know, Cameco recently refurbished the CPF and plans to resume operation of the plant pending future expansion projects and toll milling agreements. As such, these ponds and associated infrastructure will continue to be needed for storm water management in support of future in situ recovery operations at the Highland CPF. Based on the radiation levels that were detected by the NRC at the edge of the pond liner of the one (lined) pond, Cameco assumes that these levels may be the result of residual contamination from previous operators use of the pond and plans to survey and remove, as needed, any residual contamination that remains. As noted by the NRC in the January 14, 2014 letter, these ponds will also continue to be located inside of a fenced area with a locked gate.

If you have questions or need additional information, please feel free to contact me directly at (307) 316-7588.

Sincerely,

 for Josh Leftwich

Josh Leftwich
Director, Safety, Health, Environment and Quality

JJL/sab

cc: D. Mandeville, USNRC
File SRH 4.6.4.1

ec: CR-Cheyenne