



CAMECO RESOURCES

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Cheyenne, WY
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August 12, 2010

Mr. Larry Camper, Director
Decommissioning and Uranium Recovery Licensing Directorate
Division of Waste Management and Environmental Protection
Office of Federal and State Materials and Environmental Management Programs
U.S. Nuclear Regulatory Commission
Two White Flint North, Mail Stop T8F5
11545 Rockville Pike
Rockville MD 20852-2738

RE: Request for License Renewal
Smith Ranch-Highland Uranium Project
Source Materials License SUA-1548

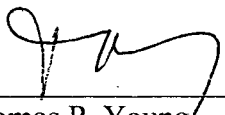
Dear Mr. Camper:

Power Resources, Inc. d/b/a Cameco Resources (CR) is hereby submitting this request for renewal of Source Materials License SUA-1548.

Enclosed with this letter is a completed NRC Form 313, with additional information attached. Three (3) copies of the Smith-Ranch-Highland Uranium Project SUA-1548 License Renewal submittal, with copies of this letter are being sent separately.

If you or your staff has any questions regarding the license renewal submittal please feel free to contact me at (307) 316-7595 or John McCarthy at (307) 358-6541 (ext. 446).

Sincerely,



Thomas P. Young
Vice President, Operations

cc: J. Brister, w/att A. Kallas, SRH w/att J. McCarthy, SRH w/att
L. Snowwhite, w/att File Cheyenne 4.6.4.C

FSME21

NRC FORM 313 (3-2009) 10 CFR 30, 32, 33, 34, 35, 36, 39, and 40	U.S. NUCLEAR REGULATORY COMMISSION APPROVED BY OMB: NO. 3150-0120 EXPIRES: 3/31/2012				
<h2 style="margin: 0;">APPLICATION FOR MATERIALS LICENSE</h2>					
INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.					
APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH: OFFICE OF FEDERAL & STATE MATERIALS AND ENVIRONMENTAL MANAGEMENT PROGRAMS DIVISION OF MATERIALS SAFETY AND STATE AGREEMENTS U.S. NUCLEAR REGULATORY COMMISSION WASHINGTON, DC 20555-0001	IF YOU ARE LOCATED IN: ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO: MATERIALS LICENSING BRANCH U.S. NUCLEAR REGULATORY COMMISSION, REGION III 2443 WARRENVILLE ROAD, SUITE 210 Lisle, IL 60532-4352				
ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS: IF YOU ARE LOCATED IN: ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO: LICENSING ASSISTANCE TEAM DIVISION OF NUCLEAR MATERIALS SAFETY U.S. NUCLEAR REGULATORY COMMISSION, REGION I 475 ALLENDALE ROAD KING OF PRUSSIA, PA 19406-1415	ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MISSISSIPPI, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND APPLICATIONS TO: NUCLEAR MATERIALS LICENSING BRANCH U.S. NUCLEAR REGULATORY COMMISSION, REGION IV 612 E. LAMAR BOULEVARD, SUITE 400 ARLINGTON, TX 76011-4125				
PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.					
1. THIS IS AN APPLICATION FOR (Check appropriate item) <input type="checkbox"/> A. NEW LICENSE <input type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER <input checked="" type="checkbox"/> C. RENEWAL OF LICENSE NUMBER SUA-1548	2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code) Power Resources, Inc. dba Cameco Resources 2020 Carey Avenue, Suite 600 Cheyenne, WY 82001				
3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED Power resources, Inc. dba Cameco Resources Smith ranch-Highland Operation 762 Ross Road Douglas, WY 82633	4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION Thomas P. Young TELEPHONE NUMBER (307) 316-7595				
SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.					
5. RADIOACTIVE MATERIAL a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.	6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.				
7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.	8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.				
9. FACILITIES AND EQUIPMENT.	10. RADIATION SAFETY PROGRAM.				
11. WASTE MANAGEMENT.	12. LICENSE FEES (See 10 CFR 170 and Section 170.31) <table style="width: 100%; border: none;"> <tr> <td style="border: none;">FEE CATEGORY 2.A.(2)</td> <td style="border: none; text-align: right;">AMOUNT ENCLOSED \$ 0.00</td> </tr> </table>	FEE CATEGORY 2.A.(2)	AMOUNT ENCLOSED \$ 0.00		
FEE CATEGORY 2.A.(2)	AMOUNT ENCLOSED \$ 0.00				
13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT. THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF. WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.					
CERTIFYING OFFICER -- TYPED/PRINTED NAME AND TITLE Thomas P. Young, Vice President Operations	SIGNATURE DATE 08/12/2010				
FOR NRC USE ONLY					
TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
APPROVED BY				DATE	

APPLICATION FOR AMENDMENT
SOURCE MATERIAL LICENSE SUA-1548
Responses to Items 5 through 11, NRC Form 313

Licensee: Power Resources, Inc.
P.O. Box 1210
Glenrock, Wyoming 82637

5. RADIOACTIVE MATERIAL:

a) Element and Mass Number:

Uranium (natural uranium, or U^{nat} ; a mixture of U^{238} , U^{234} , and U^{235})

b) Chemical and/or physical form:

Chemical form is U_3O_8 ; uranium product is termed yellowcake and exists as a solution (0 to 50 grams/liter), a slurry (1 % to 50% U), or dried product (50% to 80% U).

c) Maximum amount which will be possessed at any one time:

Power Resources, Inc. requests unlimited possession amount.

6. PURPOSE FOR WHICH LICENSED MATERIAL WILL BE USED:

The licensed material will be used as fuel for the generation of electricity by nuclear power plants.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE:

This information is provided in detail in Section 9.0 of the Power Resources, Inc. "Application for Amendment of USNRC Source Materials License SUA-1548 Smith Ranch-Highland Uranium Project (SR-HUP) Volume I".

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS:

This information is provided in detail in Section 9.0 of the SR-HUP License Application.

9. FACILITIES AND EQUIPMENT:

This information is provided in detail in Section 3.0 of the SR-HUP License Application.

10. RADIATION SAFETY PROGRAM:

This information is provided in detail in Section 9.0 of the SR-HUP License Application.

11. WASTE MANAGEMENT:

This information is provided in detail in Section 9.0 of the SR-HUP License Application.