

COLORADO OFFICE  
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WYOMING OFFICE  
5880 ENTERPRISE DR., STE. 200  
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TEL: (307) 265-2373  
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**LOST CREEK ISR, LLC**

October 30, 2007

Mr. Stephen Cohen  
U.S. Nuclear Regulatory Commission  
Mail Stop T8F5  
Two White Flint North  
11545 Rockville Pike  
Rockville, MD 20852-2738

Re: Submittal of License Application for the Lost Creek ISR Project  
Docket No. 40-9068  
TAC No. LU0142

Dear Mr. Cohen,

Lost Creek ISR, LLC will be submitting the completed NRC Source Material License Application to your office for review and approval.

To support this submittal, Lost Creek ISR, LLC is submitting a Form 313, "Application for Material License" and three hard copies of the following supporting information along with three electronic copies:

**Technical Report (four binders):**

**Volume 1** Contains seven sections that include an Introduction to the Technical Report as well as the first six sections of the chapter on Site Characterization.

**Volume 2** Contains four sections that complete the chapter on Site Characterization.

**Volume 3** Contains eight sections that include the following: Description of the Proposed Facility, Effluent Control Systems, Operational Organization, Restoration/Reclamation, Environmental Effects, Alternatives, Cost-Benefit Analysis and Environmental Approvals.

**Appendix** Cultural Resource Inventory

*Lost Creek ISR, LLC is a wholly-owned subsidiary of Ur-Energy Inc.*

TSX: URE

[www.ur-energy.com](http://www.ur-energy.com)

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**LOST CREEK ISR, LLC**

**Environmental Report (four binders):**

- Volume 1** Contains six sections that include an Introduction, Alternatives, and the first four sections of the chapter "Description of the Affected Environment".
- Volume 2** Contains eight sections that complete the chapter "Description of the Affected Environment".
- Volume 3** Contains 15 sections that include 13 sections from the chapter on Environmental Impacts as well as sections on Cost-Benefit Analysis and a Summary of Environmental Consequences. Also included are references and a list of preparers.

**Appendix** Cultural Resource Inventory

Regards,

A handwritten signature in black ink, appearing to read "John W. Cash". The signature is written in a cursive, flowing style.

Manager EHS and Regulatory Affairs  
Ur-Energy USA, Inc.

Cc: Mr. John Aronson, AATA International  
Mr. Harold Backer, Ur-Energy USA Inc.  
Mr. Bill Boberg, Ur-Energy USA Inc.  
Mr. Steve Hatten, Ur-Energy USA Inc.  
Mr. Wayne Heili, Ur-Energy USA Inc.  
Dr. Ping Wang, AATA International

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**NRC FORM 313**  
(10-2005)  
10 CFR 30, 32, 33,  
34, 35, 36, 39, and 40

**U.S. NUCLEAR REGULATORY COMMISSION**

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 10/31/2008

Estimated burden per response to comply with this mandatory collection request: 4.4 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

**APPLICATION FOR MATERIAL LICENSE**

**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:**

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY  
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555-0001

**ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:**

**IF YOU ARE LOCATED IN:**

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, MISSISSIPPI, 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

**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

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, 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  
611 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TX 76011-4005

**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)**

- A. NEW LICENSE  
 B. AMENDMENT TO LICENSE NUMBER \_\_\_\_\_  
 C. RENEWAL OF LICENSE NUMBER \_\_\_\_\_

**2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)**

Lost Creek ISR, LLC  
5880 Enterprise Drive #200  
Casper, WY 82609

**3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED**

Wyoming, Sweetwater County; approximately 38 miles northwest of the town of Rawlins; centered at approximately 42 degrees, 8 minutes North Latitude and 107 degrees, 51 minutes West Longitude; See attached sheet for a more detailed location.

**4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION**

Mr. Wayne Heili

**TELEPHONE NUMBER**

(307) 265-2373

**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)**

FEE CATEGORY 2A(2) AMOUNT ENCLOSED \$

**13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.**

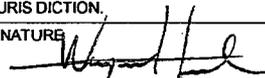
THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND 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**

Mr. Wayne Heili, President of Lost Creek ISR, LLC

**SIGNATURE**



**DATE**

10-30-2007

**FOR NRC USE ONLY**

| TYPE OF FEE | FEE LOG | FEE CATEGORY | AMOUNT RECEIVED | CHECK NUMBER | COMMENTS |
|-------------|---------|--------------|-----------------|--------------|----------|
|             |         |              | \$              |              |          |
| APPROVED BY |         |              |                 | DATE         |          |

**ATTACHMENT TO NRC FORM 313, "APPLICATION FOR MATERIAL LICENSE"**

**LOST CREEK ISR, LLC APPLICATION**

**OCTOBER 26, 2007**

**3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED**

The Project location includes portions or the entirety of Sections 13 and 23 to 26 of Township 25 North, Range 93 West, and Sections 16 to 21 and 29 to 31 of Township 25 North, Range 92 West; see also Figure 1.3-1 of the Technical Report.

**5. RADIOACTIVE MATERIAL**

- a. Natural Uranium (U-238, 235 and 234) in any chemical or physical form and in unlimited quantities.
- b. Byproduct material as defined in 10 CFR 40.4 in unspecified form and in quantities generated under operations by the license.

**6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED**

See Sections 1.0 and 1.1 of the Technical Report.

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

See Sections 5.1.5, 5.1.5.1, 5.4.3 and 5.4.3.1 of the Technical Report.

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

See Section 5.5 of the Technical Report.

**9. FACILITIES AND EQUIPMENT**

See Sections 2 and 3 in their entirety in the Technical Report.

**10. RADIATION SAFETY PROGRAM**

See Section 5 in its entirety in the Technical Report.

**11. WASTE MANAGEMENT**

See Sections 4.2 thru 4.3.2 in the Technical Report.

**12. LICENSE FEES**

The Fee Category is 2A(2) in accordance with 10 CFR 170.31. Since 2A(2) is a Full Cost Category, the NRC will invoice Lost Creek ISR, LLC to recover the cost of reviewing the license application.