



ENERGYMETALS
CORPORATION US

October 2, 2007

Attn: Document Control Desk
Mr. Charles L. Miller, Director
Office of Federal and State Materials and
Environmental Management Programs
U.S. Nuclear Regulatory Commission
Two White Flint North, Mailstop T8F5
11545 Rockville Pike
Rockville, MD 20852

RE: Submittal of Source Material License Application and Supporting Technical and
Environmental Reports for the Moore Ranch Uranium Project

Dear Mr. Miller:

Energy Metals Corporation, US is hereby submitting a Source Materials License Application to construct and operate the Moore Ranch Uranium Project in Campbell County, Wyoming. Mining at the proposed Moore Ranch Uranium Project will be conducted utilizing in situ recovery (ISR) processes. Enclosed in support of this application are a Technical Report prepared in accordance with NUREG-1569 and an Environmental Report prepared in accordance with NUREG-1748.

This License Application, Technical Report, and Environmental Report were prepared and are submitted by Energy Metals Corporation (US), a wholly-owned subsidiary of Energy Metals Corporation (EMC). EMC is a Canadian Corporation with Corporate Headquarters in Vancouver, British Columbia, Canada. EMC (US) maintains a Corporate Headquarters in Edmond, Oklahoma with regional offices in Casper, Wyoming and Corpus Christi, Texas.

On August 10, 2007, Uranium One acquired all outstanding shares of EMC. Uranium One is a Canadian Corporation, also headquartered in Vancouver, British Columbia, Canada. Consolidation and organization of EMC with Uranium One is currently in progress with expected completion in approximately six months. Depending on the outcome of the consolidation and organization process, EMC or its successor organization may submit amended Corporate Entity information to the NRC at a later date.

US HEAD OFFICE
1218 East 9th Street, Suite 4
Edmond, OK 73034
Tel: 405-285-9191
Fax: 405-285-9190

WYOMING OFFICE
139 W. 2nd St. Suite 1C
Casper, WY 82601
Tel: 307-234-8235
Fax: 307-237-8235

TEXAS OFFICE
P.O. Box 2955
Corpus Christi, TX 78403
Tel: 361-888-8235
Fax: 361-888-5041

Energy Metals
Corporation US
is a subsidiary of
Energy Metals
Corporation

EMU
TSX: EMC
NYSE

www.energymetalscorp.com



Mr. Charles Miller
October 2, 2007
Page 2

Previous licensing activities have occurred for the Moore Ranch Project (previously referred to as the Conoco Sand Rock Mill Project) and initial NEPA reviews were completed by the NRC. The NRC prepared a Draft Environmental Statement Related to the Operation of the Sand Rock Mill Project, Docket No. 40-8743, in March of 1982. However, further review was cancelled by Conoco due to declining uranium market conditions and a Final Environmental Statement was not issued. These previous licensing activities along with other baseline studies in the Moore Ranch area provided a large data set for baseline environmental conditions that has been utilized by EMC to enhance our current baseline monitoring.

In a letter to Ms. Donna Wichers of EMC from Mr. Keith McConnell of the NRC staff dated August 31, 2007, it was stated that the NRC plans to complete a Generic Environmental Impact Statement (GEIS) for ISR projects and that relevant sections of the GEIS would be used to prepare either a site-specific Environmental Assessment (EA) or a site-specific EIS for the Moore Ranch Project. NRC stated that the anticipated completion date for the GEIS is January 2009 and that NRC did not expect that use of the GEIS would result in any meaningful delays in review of the application.

EMC remains concerned that reliance on a GEIS that is not scheduled to be completed until sixteen months from now will impact the timely review of the Moore Ranch License Application. Any unforeseen delays in completion of the GEIS would further impact the review schedule. EMC does not believe that the issuance of a source materials license for Moore Ranch should be tied to the completion of a GEIS. Recognizing the number of license applications NRC is expecting in the near term for ISR facilities and the budget and staff constraints that NRC is laboring under, we reiterate the offer contained in our letter dated June 28, 2007 to support third-party contracted review of the Moore Ranch License Application in order to ensure a thorough yet prompt review of our application.

US HEAD OFFICE
1218 East 9 th Street, Suite 4
Edmond, OK 73034
Tel: 405-285-9191
Fax: 405-285-9190

WYOMING OFFICE
139 W. 2nd St, Suite 1C
Casper, WY 82601
Tel: 307-234-8235
Fax: 307-237-8235

TEXAS OFFICE
P.O Box 2955
Corpus Christi, TX 78403
Tel: 361-888-8235
Fax: 361-888-5041

Energy Metals
Corporation US
is a subsidiary of
Energy Metals
Corporation

EMU
TSX: EMC
NYSE

www.energymetalscorp.com



Mr. Charles Miller
October 2, 2007
Page 3

If you or your staff should have any questions regarding this Source Material License Application, please contact me at (307) 234-8235 ext. 103.

Sincerely,
Energy Metals Corporation, US

Ken Milmine
Manager- Environmental and Regulatory Affairs, Wyoming

Enclosures:

NRC Form 313 and attachments
Moore Ranch Uranium Project, License Application, Technical Report
Moore Ranch Uranium Project, License Application, Environmental Report.

US HEAD OFFICE
1218 East 9 th Street, Suite 4
Edmond, OK 73034
Tel: 405-285-9191
Fax: 405-285-9190

WYOMING OFFICE
139 W. 2nd St. Suite 1C
Casper, WY 82601
Tel: 307-234-8235
Fax: 307-237-8235

TEXAS OFFICE
P.O Box 2955
Corpus Christi, TX 78403
Tel: 361-888-8235
Fax: 361-888-5041

Energy Metals
Corporation US
is a subsidiary of
Energy Metals
Corporation

EMU
NYSE
TSX: EMC

www.energymetalscorp.com

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)

Energy Metals Corporation
139 W. 2nd Street, Suite 1B
Casper, WY 82601

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

Moore Ranch Uranium Project
Campbell County, Wyoming
26 miles West of Wright, Highway 387
Wright, Wyoming 82732

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Donna Wichers

TELEPHONE NUMBER

(307) 234-8235

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 **2.A.(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

Donna Wichers / Sr. Vice President of Operations

SIGNATURE



DATE

09/28/2007

FOR NRC USE ONLY

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

**MOORE RANCH URANIUM PROJECT
SOURCE MATERIALS LICENSE APPLICATION**

**NRC Form 313 Attachment
Items 5 Through 11**

Applicant

Energy Metals Corporation, US
139 W. 2nd Street, Suite 1B
Casper, WY 82601

5. Radioactive Material:

a) Element and Mass Number:

Uranium- Unat (U₂₃₈, U₂₃₄, and U₂₃₅)

b) Chemical and/or Physical Form:

Chemical form is U₃O₈
Solution of 0 to 50 grams/liter
Dried Yellowcake- 50% to 80% U

c) Maximum Amount Which will be possessed at any one time:

Unlimited

6. PURPOSE FOR WHICH LICENSED MATERIAL WILL BE USED:

Fuel for electricity generation from nuclear power plants.

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

Individual: Mike Griffin
Director- Environmental and Regulatory Affairs, US
Energy Metals Corporation, US

Training: Navy Nuclear Training
30 years nuclear experience with 15 years as a uranium RSO

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

This information is provided in detail in Section 5 of the Moore Ranch Uranium Project, Source Material License Application, Technical Report.

9. FACILITIES AND EQUIPMENT:

This information is provided in detail in Section 3 of the Moore Ranch Uranium Project, Source Material License Application, Technical Report.

10. RADIATION SAFETY PROGRAM:

This information is provided in detail in Section 3 of the Moore Ranch Uranium Project, Source Material License Application, Technical Report.

11. WASTE MANAGEMENT:

This information is provided in detail in Section 4 of the Moore Ranch Uranium Project, Source Material License Application, Technical Report.



ENERGYMETALS
CORPORATION US

September 28, 2007

Mr. Charles L. Miller, Director
Office of Federal and State Materials and
Environmental Management Programs
U.S. Nuclear Regulatory Commission
Two White Flint North, Mailstop T8F5
11545 Rockville Pike
Rockville, MD 20852

Subject: Moore Ranch Uranium Project License Application
Affidavit to Withhold Cultural Resource Information from Public Disclosure

Dear Mr. Miller:

Energy Metals Corporation (EMC) is requesting by this affidavit that the cultural resource information submitted with the Moore Ranch Uranium Project License Application under cover dated September 28, 2007 be considered confidential information under 10 CFR 2.390 and withheld from public disclosure. The specific information is contained in Appendix A to the Technical Report and Appendix B to the Environmental Report. Accompanying this request is information required by 10 CFR 2.390 (b)(1)(i) and (ii). This affidavit has been notarized by a certified Notary of the Public.

Each page of the applicable cultural resource information contained in the appropriate appendices has been marked as follows:

Confidential Information Submitted under 10 CFR 2.390

The cover pages for each of these appendices have been marked with a more detailed statement, as follows:

Confidential Information Submitted under 10 CFR 2.390

Disclosure is Limited Under the National Historic Preservation Act, Section 304 (16 U.S.C. 470w-3(a)).

US HEAD OFFICE
1218 East 9th Street, Suite 4
Edmond, OK 73034
Tel: 405-285-9191
Fax: 405-285-9190

WYOMING OFFICE
139 W. 2nd St, Suite 1C
Casper, WY 82601
Tel: 307-234-8235
Fax: 307-237-8235

TEXAS OFFICE
P.O. Box 2955
Corpus Christi, TX 78403
Tel: 361-888-8235
Fax: 361-888-5041

Energy Metals
Corporation US
is a subsidiary of
Energy Metals
Corporation



TSX: EMC

www.energymetalscorp.com



Mr. Charles Miller
September 28, 2007
Page 2

Information required by this affidavit in accordance with 10 CFR 2.390 (b)(1)(ii) is listed below.

A. Document or Part Sought to be Withheld:

Class III Cultural Resource Inventory for the Energy Metals Corporation, Moore Ranch In-Situ Uranium Project, September 2007, Technical Report Appendix A and Environmental Report Appendix B, All applicably marked pages.

B. Name and Official Position of the Person Making the Affidavit:

Ken Milmine, Manager- Environmental and Regulatory Affairs, Wyoming.

C. Basis for Proposing the Information Withheld:

In accordance with the National Historic Preservation Act Section 304 (16 U.S.C. 470w-3(a)) information on the nature or location of archaeological and historical sites shall not be made available to the public. Accordingly, disclosure is specifically exempted by statute as specified in 10 CFR §2.390(a)(3).

D. Statement of Harm that Would Result if the Information Sought to be Withheld is Disclosed to the Public:

Federal agency policies hold that public disclosure of information on the nature or location of archaeological and historical sites will increase the likelihood of trespassing, vandalism, and theft, and will contribute to illegal traffic in antiquities.

E. Location in the Document of All Information Sought to be Withheld:

The cultural resource information sought to be withheld is located in Appendix A to the Moore Ranch Uranium Project License Application, Technical Report and in Appendix B to the Moore Ranch Uranium Project License Application, Environmental Report submitted under cover dated September 28, 2007.

US HEAD OFFICE
1218 East 9th Street, Suite 4
Edmond, OK 73034
Tel: 405-285-9191
Fax: 405-285-9190

WYOMING OFFICE
139 W. 2nd St, Suite 1C
Casper, WY 82601
Tel: 307-234-8235
Fax: 307-237-8235

TEXAS OFFICE
P.O Box 2955
Corpus Christi, TX 78403
Tel: 361-888-8235
Fax: 361-888-5041

Energy Metals
Corporation US
is a subsidiary of
Energy Metals
Corporation



Mr. Charles Miller
September 28, 2007
Page 3

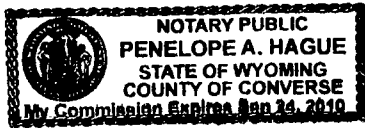
EMC appreciates your attention to this request. If you or your staff has any questions, please feel free to call 307-234-8235 ext. 103.

Sincerely,
ENERGY METALS CORPORATION, US.

Ken Milmine
Manager- Environmental and Regulatory Affairs, Wyoming

STATE OF Wyoming)
) ss.
COUNTY OF Natrona)

On September 27, 2007, personally appeared before me, a Notary Public, Ken Milmine personally known or proved to me to be the person whose name is subscribed to the above instrument who acknowledged to me that he executed the above instrument on behalf of the herein named corporation.



Notary Public

US HEAD OFFICE
1218 East 9th Street, Suite 4
Edmond, OK 73034
Tel: 405-285-9191
Fax: 405-285-9190

WYOMING OFFICE
139 W. 2nd St, Suite 1C
Casper, WY 82601
Tel: 307-234-8235
Fax: 307-237-8235

TEXAS OFFICE
P.O Box 2955
Corpus Christi, TX 78403
Tel: 361-888-8235
Fax: 361-888-5041

Energy Metals
Corporation US
is a subsidiary of
Energy Metals
Corporation