

July 3, 2008

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: Antelope and JAB 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 Antelope and JAB Uranium Project License Application under cover dated July 3, 2008 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)).*

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, Antelope and JAB In-Situ Uranium Project, June 2008, Technical Report Appendix A all 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 Antelope and JAB Uranium Project License Application, Technical Report submitted under cover dated July 3, 2008.

EMC appreciates your attention to this request. If you or your staff has any questions, please feel free to call 307-234-8235 ext. 330.

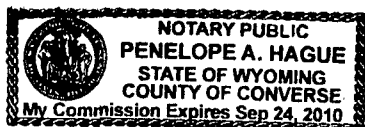
Sincerely,  
ENERGY METALS CORPORATION, US.



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

**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  
dba Uranium One, Americas  
907 N Poplar, Suite 260  
Casper, WY 82601

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

Antelope and JAB Uranium Project  
Sweetwater County, Wyoming  
15 miles West of Bairoil on County Rd. 22  
Bairoil, Wyoming 82322

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.

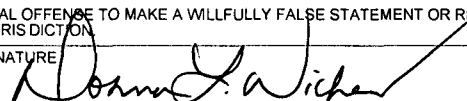
THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND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

07/03/2008

**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  
dba Uranium One, Americas  
139 W. 2<sup>nd</sup> Street, Suite 1B  
Casper, WY 82601

**5. Radioactive Material:**

a) Element and Mass Number:

Uranium- Unat (U<sub>238</sub>, U<sub>234</sub>, and U<sub>235</sub>)

b) Chemical and/or Physical Form:

Chemical form is U<sub>3</sub>O<sub>8</sub>  
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.

<b>Technical Report Section</b>	<b>Applicable NUREG-1748 Section</b>	<b>NUREG-1748 Section Description</b>
Section 1, 3, 6	<b>6.1</b>	<b>INTRODUCTION</b>
Section 1, 8, 9	<b>6.1.1</b>	<b>Purpose and Need for the Proposed Action</b>
Section 1	<b>6.1.2</b>	<b>The Proposed Action</b>
Section 10	<b>6.1.3</b>	<b>Applicable Regulatory Requirements, Permits and Required Consultations</b>
Sections 1, 2, 3, 4, 5, 6, 7, 8	<b>6.2</b>	<b>ALTERNATIVES</b>
Section 3, 4, 5, and 8	<b>6.2.1</b>	<b>Detailed Description of the Alternatives</b>
Section 8	<i>6.2.1.1</i>	<i>No-Action Alternative</i>
Section 1, 2.1, 3, 4, 5, 6, 7	<i>6.2.1.2</i>	<i>Proposed Action</i>
Section 8	<i>6.2.1.3</i>	<i>Reasonable Alternatives</i>
Section 8	<b>6.2.2</b>	<b>Alternatives Considered but Eliminated</b>
Section 7 and 8	<b>6.2.3</b>	<b>Cumulative Effects</b>
Section 8	<b>6.2.4</b>	<b>Comparison of the Predicted Environmental Impacts</b>
Section 2.1-2.9, Section 4, Appendix A and B	<b>6.3</b>	<b>DESCRIPTION OF THE AFFECTED ENVIRONMENT</b>
Section 2.2	<b>6.3.1</b>	<b>Land Use</b>
Section 2.1, 3, 4, & 7.4	<b>6.3.2</b>	<b>Transportation</b>
Section 2.6	<b>6.3.3</b>	<b>Geology and Soils</b>
Section 2.6, 2.7, 2.8, Appendix B	<b>6.3.4</b>	<b>Water Resources</b>
Section 2.8	<b>6.3.5</b>	<b>Ecological Resources</b>
Section 2.5, 7.2	<b>6.3.6</b>	<b>Meteorology, Climatology, and Air Quality</b>
Section 2.5		<i>Meteorology and Climatology</i>
Section 2.5, 7.2		<i>Baseline Air Quality</i>
Section 2.3	<b>6.3.7</b>	<b>Noise</b>
Section 2.4, Appendix A	<b>6.3.8</b>	<b>Historic and Cultural Resources</b>
Section 2.4, 7.2	<b>6.3.9</b>	<b>Visual/Scenic Resources</b>
Section 2.3, 7.5	<b>6.3.10</b>	<b>Socioeconomic</b>
Section 5, 7.3, 7.4	<b>6.3.11</b>	<b>Public and Occupational Health</b>
Section 4	<b>6.3.12</b>	<b>Waste Management</b>
Section 2, 7	<b>6.4</b>	<b>ENVIRONMENTAL IMPACTS</b>
Section 2.2,	<b>6.4.1</b>	<b>Land Use Impacts</b>

7.1, 7.2		
Section 3, 4, 7.4, 7.5	<b>6.4.2</b>	<b>Transportation Impacts</b>
Section 2.6, 7.2	<b>6.4.3</b>	<b>Geology and Soils Impacts</b>
Section 2.7, 7.2	<b>6.4.4</b>	<b>Water Resources Impacts</b>
Section 2.8, 7.2	<b>6.4.5</b>	<b>Ecological Resources Impacts</b>
Section 7.1, 7.2	<b>6.4.6</b>	<b>Air Quality Impacts</b>
Section 7.2, 2.8	<b>6.4.7</b>	<b>Noise Impacts</b>
Section 2.4, 7.2, Appendix A	<b>6.4.8</b>	<b>Historic and Cultural Resources Impacts</b>
Section 2.4, 7.2	<b>6.4.9</b>	<b>Visual/Scenic Resources Impacts</b>
Section 2.3, 7.5	<b>6.4.10</b>	<b>Socioeconomic Impacts</b>
Section 2.3, 7.6	<b>6.4.11</b>	<b>Environmental Justice</b>
	<b>6.4.12</b>	<b>Public and Occupational Health Impacts</b>
Section 7.4	<i>6.4.12.1</i>	<i>Non radiological Impacts</i>
Section 7.3	<i>6.4.12.2</i>	<i>Radiological Impacts</i>
Section 7.3	<b>6.4.12.1.2</b>	<b>Pathway Assessment</b>
Section 7.3	<b>6.4.12.2.2</b>	<b>Public and Occupational Exposure</b>
Section 4, 7.4	<b>6.4.13</b>	<b>Waste Management Impacts</b>
Sections 2, 3, 4, 5, 6, 7	6.5	MITIGATION MEASURES
Section 5	6.6	ENVIRONMENTAL MEASUREMENTS AND MONITORING PROGRAMS
Section 5.7	<b>6.6.1</b>	<b>Radiological Monitoring</b>
Section 5.7	<b>6.6.2</b>	<b>Physiochemical Monitoring</b>
Section 5.7	<b>6.6.3</b>	<b>Ecological Monitoring</b>
Section 9	6.7	COST BENEFIT ANALYSIS
Section 8	6.8	SUMMARY OF ENVIRONMENTAL CONSEQUENCES
Each Section	6.9	LIST OF REFERENCES
Section 10	6.10	LIST OF PREPARERS
Each section	6.11	REFERENCES