



**CAMECO RESOURCES**

Corporate Office  
2020 Carey Avenue  
Suite 600  
Cheyenne, WY  
82001 USA

September 14, 2010

Mr. Larry Camper, Director  
Attn: Document Control Desk  
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, Mailstop T8F5  
11545 Rockville Pike  
Rockville, MD 20852

Tel: (307) 316-7600  
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[www.cameco.com](http://www.cameco.com)

RE: Replacement Affidavit to Withhold Cultural Resource Information from Public Disclosure  
License Amendment Request – Crow Butte Resources Three Crow Expansion Area, Docket  
No. 40-8943, License No. SUA-1534

Dear Mr. Camper:

By letter dated August 3, 2010 Cameco transmitted an “Affidavit to Withhold Cultural Resource Information from Public Disclosure License Amendment Request – Crow Butte Resources Three Crow Expansion Area”. A number of pages in the attached Class III Cultural Resources Inventory were incorrectly labeled as privileged information. To correct that error, and to eliminate any confusion as to which pages are and are not privileged, please replace the August 3, 2010 affidavit and attachment with the following.

By this affidavit, Cameco Resources requests that the cultural resource information contained in Appendix B and C of the attached *Crow Butte Resources Three Crow Permit Area Class III Cultural Resource Inventory, Dawes and Sioux Counties, Nebraska*, (December 2007) be considered confidential information pursuant to 10 CFR §2.390(a)(3), the National Historic Preservation Act, Section 304 (16 U.S.C. 470w-3(a)) and the Nebraska Public Records Statutes (Neb. Rev. Stat. 84-712.05(13)). Please withhold this confidential information from public disclosure.

In accordance with 10 CFR §2.390 (b)(1)(i), each page of Appendix B and C have been marked as follows:

Confidential Information Submitted under 10 CFR 2.390  
Disclosure of Site Information is Restricted, NHPA Section 304 (16 U.S.C. 470w-3(a))  
Nebraska Public Records Statutes (Neb. Rev. Stat. 84-712.05(13))

In addition, the cover pages for both Appendix B and Appendix C have been marked with similar information.

The information required by 10 CFR §2.390 (b)(1)(ii) includes:

*A. Document or part to be withheld:*

Crow Butte Resources Three Crow Permit Area Class III Cultural Resource Inventory, Dawes and Sioux Counties, Nebraska, (December 2007), Appendix B, Site Location Map and Appendix C, Site Forms

*B. Name and official position of the person making the affidavit:*

Thomas P. Young, Vice President of Operations, Cameco Resources

*C. Basis for proposing the information withheld:*

10 CFR 2.390(a)(3)  
National Historic Preservation Act Section 304 (16 U.S.C. 470w-3(a))  
Nebraska Public Records Statutes (Neb. Rev. Stat. 84-712.05(13))

*D. Statement of harm that would result if the information sought to be withheld is disclosed to the public:*

Both federal and state 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 B and C of the attached document entitled *Crow Butte Resources Three Crow Permit Area Class III Cultural Resource Inventory, Dawes and Sioux Counties, Nebraska, (December 2007)*.

If you or your staff has any questions regarding this affidavit please contact John P. Schmuck at (307) 316-7587.

Sincerely,



Thomas P. Young  
Vice President, Operations

Attachment: As Stated

Cc: Jim Stokey w/o attachment  
John Schmuck w/ attachment  
Larry Teahon w/ attachment  
CR file w/ attachment



NEBRASKA STATE HISTORICAL SOCIETY  
1500 R STREET, P.O. BOX 82554, LINCOLN, NE 68501-2554  
(402) 471-3270 Fax: (402) 471-3100 1-800-833-6747 www.nebraskahistory.org

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17 December 2007

Rhonda Grantham  
Crow Butte Resources  
86 Crow Butte Road  
P.O. 169  
Crawford, NE 69339

Re: Three Crow Permit Area  
Crow Butte Resources  
Dawes and Sioux Counties  
H.P. #0302-033-01

Dear Ms. Grantham:

The cultural resources survey report (Spath 2007) on the above referenced project has been reviewed by this office. We concur that archaeological sites 25DW302, 25DW303, 25DW304, 25DW305, 25DW306, 25DW307, 25DW308, 25DW309, 25DW310, 25DW311, 25DW312, 25DW313, 25DW314, and 25DW315 are not eligible for the National Register of Historic Places. Therefore, no archaeological, architectural, or historic context property resources will be affected by the proposed project. This review does not constitute the opinions of any Tribes that may have an interest in Traditional Cultural Properties potentially affected by this project.

Sincerely,

Terry Steinacher  
H.P. Archaeologist

Concurrence:

L. Robert Puschendorf  
Deputy NeSHPO

Cc: Spath

Subject

**Proposed Three Crow Expansion of the Crow Butte Resources Uranium Solution Mine, Dawes and Sioux Counties, Nebraska**

[Salutation]

Crow Butte Resources, Inc. (CBR) operates a uranium solution mine in Dawes County, Nebraska. CBR plans to expand the mining operations to the proposed Three Crow Permit Area southwest of the Town of Crawford (see enclosed map). ARCADIS U.S., Inc (ARCADIS) is assisting in preparing the application for an amendment to CBR's Nuclear Regulatory Commission (NRC) Source Materials License. As part of the application process, CBR will prepare an environmental report that will address human and natural resources that may be affected by the proposed expansion. NRC has delegated the responsibility for contacting tribes with traditional concerns in the area to CBR, who in turn have delegated that responsibility to ARCADIS. Your input would be greatly appreciated in the identification of any traditional cultural resources that may exist in the proposed expansion area.

The in situ leach (ISL) solution mining process involves the injection of an oxidant- and carbonate-charged groundwater solution ("lixiviant") into the production zone aquifer through injection wells. The reduced uranium is oxidized and dissolved. The uranium-rich solution ("pregnant" lixiviant) is then drawn to recovery wells, where it is pumped to the surface and transferred to the processing plant. At the processing plant, the uranium is extracted and processed using typical ion exchange and separation technologies. This is predominantly an in-place (in situ) process that does not entail tunneling or extensive excavations.

The proposed expansion area is in the arid uplands south of Fort Robinson on private land and will not involve any state or federal lands. The proposed expansion area includes portions of the following legal sections: T30N, R52W, Dawes County, Sections 3, 4, 5, and 10; T31N, R52W, Dawes County, Sections 27, 28, 29, 30, 31, 32, 33, and 34; and T31N, R53W, Sioux County, Section 25. These areas can be found on the U.S. Geological Survey (USGS) Crawford and Dead Mans Creek 7.5-minute quadrangles (see attached map).

Almost the entire area has been cultivated. Historical references and records of the Nebraska State Historical Society indicate that your tribe used this area in the past and may have traditional ties to the area. Archaeological surface inspection of the area last year identified 12 farming and ranching locations and two isolated chipped stone artifacts.

I would appreciate your input and assistance identifying and planning for any areas of traditional concern or value to your tribe or any areas of current use by your tribe that might be located within the project area. This could include, but may not be limited to, sites that would qualify as Traditional Cultural Places (TCPs). Please contact me as soon as possible if your tribe has any concerns or areas of traditional use in the immediate vicinity of the proposed project that should be avoided or taken into consideration. If you have concerns about a particular portion of the project area, let me know so that I can provide you with more detailed information on project location and planned activities as it becomes available. Also let me know if I should facilitate contact with CBR.

Your input and participation in the planning of this project are important.

If you have any questions or if you need additional information, please call me at 303-471-3474. Your prompt attention to this matter is very much appreciated.

Thank you for your time and consideration.

Sincerely,  
ARCADIS

Carl Späth, PhD  
Senior Cultural Resources Specialist

Attachment

Map of project location