



**CROW BUTTE
RESOURCES, INC.**

141 Union Blvd., Suite 330
Lakewood, Colorado 80228
Tel: (720) 879-5140
Fax: (720) 917-0188

December 16, 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

RE: Revision to Section 1.2 of the License Renewal
Docket No. 40-8943
License No. SUA-1534

Dear Mr. Miller:

Crow Butte Resources, Inc. (CBR) hereby submits a revision to the renewal application for the Source Materials License No. SUA-1534 submitted November 27, 2007. Section 1.2, page 1-2 has been revised to provide an expanded description of the site's governance.

Enclosed with this letter are three copies of the revised section.

If you or your staff has any questions regarding this revision please contact me:

Sincerely,

Stephen P. Collings
President



A member of the Cameco group of companies



1 PROPOSED ACTIVITIES

1.1 LICENSING ACTION REQUESTED

Crow Butte Resources, Inc. (CBR) submits this combined Technical Report (TR) and Environmental Report (ER) in support of a license renewal application (LRA) of the Radioactive Source Materials License SUA-1534 for submittal to the United States Nuclear Regulatory Commission (USNRC). At the request of the USNRC, the ER and TR have been combined into one document, referred to from here on as the LRA, and incorporates applicable USNRC guidance regulations for both the TR and ER. This LRA concerns the continued commercial operation of uranium leach in-situ (ISL) mining resources located in Dawes County, Nebraska.

This LRA is prepared to supplement and update the information presented to the USNRC in support of issuance of Source Materials License SUA-1534 in 1989 and the subsequent renewal in 1997, and provides the supplemental information necessary to determine the environmental impacts of continuing uranium leach activities in the Crow Butte License Area under SUA-1534. This LRA is submitted in accordance with the licensing requirements contained in 10 Code of Federal Regulations (CFR) Part 40 and provides the USNRC staff with the necessary information to support the preparation of an Environmental Assessment (EA) as required in 10 CFR Part 51.

This LRA has been prepared using suggested guidelines and standard formats from both state and federal agencies. The application is presented primarily in the USNRC format found in Regulatory Guide 3.46, *Standard Format and Content of License Applications, Including Environmental Reports, For In Situ Uranium Solution Mining* (June 1982). USNRC document NUREG-1569, *Standard Review Plan for In Situ Leach Uranium Extraction License Applications* (June 2003) was used to ensure that all information is provided to allow USNRC Staff to complete their review of this amendment application. NUREG-1748, *Environmental Review Guidance for Licensing Actions Associated with NMSS Programs* (August 2003) was also used to ensure information typically found in the ER was appropriately incorporated into this LRA.



1.2 CROW BUTTE PROJECT BACKGROUND

What is now the Crow Butte Project was originally developed by Wyoming Fuel Corporation, which constructed a R&D facility in 1985-1986. In 1986 the project was acquired and operated by Ferret Exploration Company of Nebraska until May 1994, when the name was changed to Crow Butte Resources, Inc. Only the name of the company changed, not its ownership. CBR is the current owner and operator of the Crow Butte Project.

The land (fee and leases) at the Crow Butte facility is owned by Crow Butte Land Company, which is a Nebraska corporation. All of the officers and directors of Crow Butte Land Company are U.S. Citizens. Crow Butte Land Company is owned by Crow Butte Resources, Inc., which is the licensed operator of the facility. Crow Butte Resources, which does business as Cameco Resources, is also a Nebraska corporation. All of its officers are U.S. citizens, as are 2/3 of its directors. Crow Butte Resources is owned by Cameco US Holdings, Inc., which is a U.S. corporation registered in Nevada. For Cameco US Holdings, 3/4 of the officers are U.S. citizens, as are 2/3 of the directors. Cameco US Holdings is held by Cameco Corporation, which is a Canadian corporation. Cameco Corporation is publicly traded on both the Toronto and New York Stock Exchanges.

The R&D facility was located in the N1/2 SE1/4 of Section 19, Township 31 North, Range 51 West, Dawes County, Nebraska. Operations at this facility were initiated in July 1986, and mining took place in two wellfields (WF-1 and WF-2). Mining in WF-2 was completed in 1987, and restoration of that wellfield has been completed. WF-1 was incorporated into Mine Unit 1 of commercial operations.

CBR has successfully operated the current production area since commercial operations began in 1991. Production of uranium has been maintained at design quantities throughout that period with no adverse environmental impacts.