

**CAMECO RESOURCES  
CROW BUTTE OPERATION**



**86 Crow Butte Road  
P.O. Box 169  
Crawford, Nebraska 69339-0169**

**(308) 665-2215  
(308) 665-2341 – FAX**

March 4, 2009

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 T8-F5  
11545 Rockville Pike  
Rockville, MD 20852

RE: Revised Notice of Intent for Future Expansion  
Docket No. 40-8943  
License No. SUA-1534

Dear Mr. Miller:

Crow Butte Resources, Inc. d/b/a Cameco Resources – Crow Butte Operation (CBO) is submitting this revision to inform you of CBO's intent to request additional amendments to Source Materials License SUA-1534 for the development of additional uranium in-situ leach mining resources. The proposed development areas for use as satellite facilities to the main CBO plant are referred to as the Three Crow Expansion Area and Marsland Expansion Area.

For the Three Crow Expansion Area (Figure A), CBO has conducted a well user survey, completed the historical, archeological, and architectural survey, and will have completed the baseline environmental sampling during the first quarter of 2009. The pump test was completed in April 2008. It is CBO's intent to submit a license amendment application, for this expansion area, during the first quarter of 2010.

At the Marsland Expansion Area (Figure B), CBO is doing exploration drilling. Baseline environmental sampling is scheduled to begin in the third quarter of 2009. It is CBO's intent to submit a license amendment application, for this expansion area, during the third quarter of 2012.

If you or your staff has any questions regarding CBO's intent for license amendments please feel free to contact me at (720) 879-5518 of Larry Teahon at (308) 665-2215 ext 114.

Sincerely,

A handwritten signature in cursive script that reads "Steve Collings".

Stephen P. Collings, President

CC: Ron Burrows, Program Manager

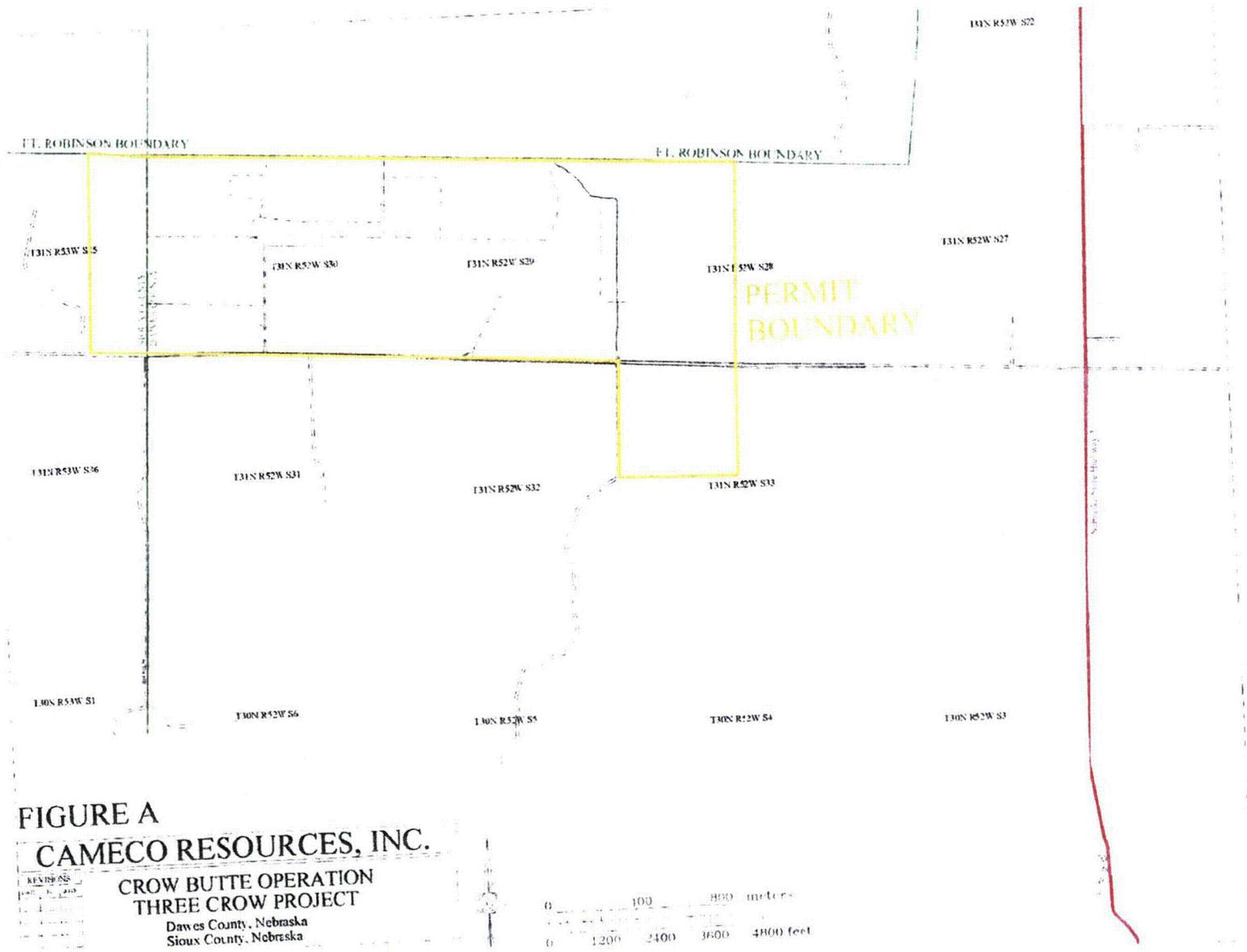
Attachments

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**FIGURE A**  
**CAMECO RESOURCES, INC.**  
**CROW BUTTE OPERATION**  
**THREE CROW PROJECT**  
Dawes County, Nebraska  
Sioux County, Nebraska

