

**CAMECO RESOURCES
CROW BUTTE OPERATION**



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

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

January 11, 2010

Dr. 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-D22
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 second quarter of 2010.

At the Marsland Expansion Area (Figure B), CBO is doing exploration drilling. Baseline environmental sampling is scheduled to begin in the second quarter of 2010. It is CBO's intent to submit a license amendment application, for this expansion area, during the second 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) 879-5534 of Larry Teahon at (308) 665-2215 ext 114.

Sincerely,

Thomas P. Young
Vice-President, Operations

TY/ms

Attachments

cc: Ron Burrows, Program Manager
Larry Teahon, CBO File

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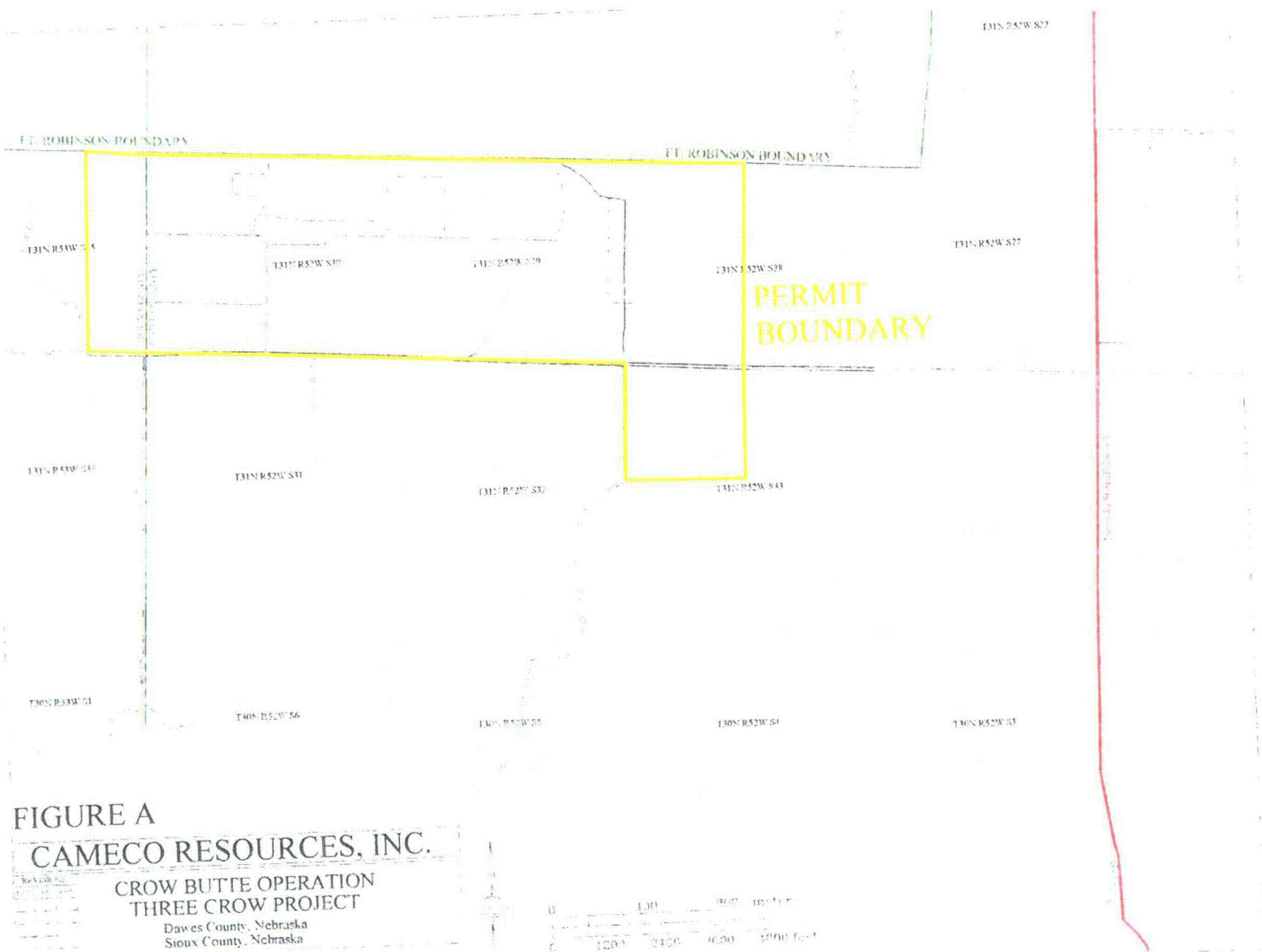


FIGURE A

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

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