

**CAMECO RESOURCES
CROW BUTTE OPERATION**



**86 Crow Butte Road
P.O. Box 169
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**(308) 665-2215
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July 22, 2009

Mr. Keith I McConnell, Deputy Director
Decommissioning and Uranium Recovery Licensing Directorate
Division of Waste Management and Environmental Protection
Office of Federal and State Materials and Environmental Management Programs
Mailstop T8-F5
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Re: Source Materials License SUA-1534
Docket No. 40-8943
CM9-4 Monitor Well Excursion

Dear Mr. McConnell:

On June 11, 2009 during routine biweekly water sampling of Crow Butte Operation (CBO) perimeter monitor well CM9-4, the multiple parameter upper control limit (UCL) was exceeded for conductivity and the single parameter upper control limit was exceeded for alkalinity. As required by License Condition 11.2 of Source Materials License SUA-1534, a second sample was collected within 48 hours and analyzed for the three excursion indicator parameters. The results of the second sample exceeded the single UCL for alkalinity. The multiple UCL for conductivity was not exceeded in the second sample. Based on these results, CM9-4 was placed on excursion status.

In accordance with License Condition 11.2, CBO increased sampling frequency for CM9-4 to weekly. Weekly samples were obtained from June 16, 2009 to July 21, 2009. The samples collected on June 16, 23, and 30, 2009 and July 7, 14, and 21, 2009 were below the excursion criteria from the license. Based on these results, CBO is removing CM9-4 from excursion status and is returning it to routine biweekly sampling. Attached are copies of the analytical data for each of the weekly samples and graphs for each parameter covering the period of December 24, 2008 to July 21, 2009.

If you have any questions or require any further information, please do not hesitate to call me at (308) 665-2215 Ext. 117.

CROW BUTTE RESOURCES, INC.



Mr. Keith McConnell

July 22, 2009

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Sincerely,
CAMECO RESOURCES, CROW BUTTE OPERATION.

A handwritten signature in black ink that reads "Walter D. Nelson". The signature is written in a cursive style with a long, sweeping underline that extends to the right.

Walter D. Nelson
Environmental Leadership Coordinator

Enclosures: As Stated

cc: Mr. Ronald Burrows
Mr. Steve Collings - CBO, Denver
CBO File