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December 23, 2013

Mr. Thomas Lancaster
Marsland Project Manager
U.S. Nuclear Regulatory Commission
FSME/DWWMEP/DURLD/URLB
11545 Rockville Pike, MS T-8F5
Rockville, MD 20852

Subject: Cameco response to NRC RAIs dated July 3, 2013 on the Marsland Expansion Area
Technical Report

Dear Mr. Lancaster;

Attached please find three copies of:

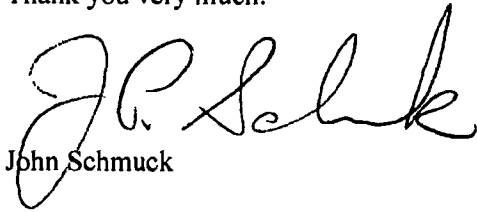
- a tabulation of Cameco's responses to the NRC RAIs dated July 3, 2013 with two attachments
- a redline/strikeout-balloon version of the revised application text where the revisions offered by Cameco on June 26, 2013 have already been accepted
- all tables, figures and appendices that are new or have substantive changes (not included are changes to page #s, table #s and figure #s and appendix #s)

As you are aware, some of the NRC July 3, 2013 RAIs were resolved by Cameco's application revisions dated June 26, 2013. Specifically, as a result of the September 4, 2013 public meeting, NRC sent Cameco a letter dated October 23, 2013 documenting which of the RAIs had been resolved and clarifying others. That information has been included in the tabulation of RAI responses.

In addition, under separate cover, Cameco is submitting four proprietary documents pursuant to a request for confidentiality. These four documents are referenced in the responses to RAIs 21, 25, 29 and 30.

If you have questions or comments, please do not hesitate to call.

Thank you very much.

A handwritten signature in black ink, appearing to read "J. Schmuck". The signature is fluid and cursive, with the first name "J." and last name "Schmuck" clearly distinguishable.

Senior Permitting Manager
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Attachments
EC