

**From:** [Lancaster, Thomas](#)  
**To:** [John Schmuck](#)  
**Subject:** RE: Marsland Clarifications from 5/9/14  
**Date:** Thursday, May 22, 2014 6:24:00 PM  
**Attachments:** [image001.png](#)

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Mr. Schmuck,  
Thank you for providing clarification of your application.

## Tom Lancaster

NRC PM - Crow Butte Marsland Satellite



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**From:** John Schmuck [[mailto:John\\_Schmuck@Cameco.com](mailto:John_Schmuck@Cameco.com)]  
**Sent:** Tuesday, May 20, 2014 2:58 PM  
**To:** Lancaster, Thomas  
**Subject:** FW: Marsland Clarifications from 5/9/14

Tom – Attached please find additional documents that Cameco believes are ready for finalization.

Thanks. .john

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**From:** Wade Beins  
**Sent:** Thursday, May 15, 2014 3:25 PM  
**To:** John Schmuck; Larry Teahon; Doug Pavlick  
**Subject:** Marsland Clarifications from 5/9/14

John,

Here are some of the clarifications that Tom and Jose have requested for the Geo-Hydro discussions we had last Friday. Included are:

Kozeny-Carmen Equation calculations and spreadsheet used to determine the Hydraulic Conductivity,  
Section 2.7.2.3 Confining Layer edits,  
Section 2.6.1.3 Pine Ridge Fault edits,  
Further discussion on Pine Ridge Fault.

I have left the word documents pretty plain so that you can cut and paste as needed. Rather than re-send the large cross-sections R0, R1, and R2, they can refer to the “Draft” copies provided for the Niobrara River Fault discussion. I do have final pdfs and prints with pretty legends and title blocks, but will wait to send those when we have fully answered their questions and can determine what

the figure numbers will be. We have corrected the Pine Ridge Fault location on the R1 cross-section.

Figure numbers particularly on the discussion of the Pine Ridge Fault are a bit dicey.

Perhaps it is easiest to say that for the Three Crow cross-sections mentioned, they should refer to the Three Crow Technical Report Volume I, dated August 2010, and the figure numbers are 2.6-14, 2.6-15a and 2.6-15b.

*Wade A. Beins*

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