

From: Linton, Ron
Sent: Tuesday, August 09, 2011 9:54 AM
To: Garrett, Betty
Subject: July 20e-mail, HRI RAPs, supplemental information
Attachments: RE: NRC request for clarifying information - HRI RAP's; RE: RAI - NRC request for clarifying information - HRI RAPs spreadsheets

The attached should be docketed in HRI docket 040-08968, non-public at this time.

Ron

From: Mark Pelizza [mspelizza@uraniumresources.com]
 Sent: Wednesday, July 20, 2011 11:10 PM
 To: Linton, Ron
 Cc: Przygodzki, Roman; VonTill, Bill
 Subject: RE: RAI - NRC request for clarifying information - HRI RAPs spreadsheets
 Attachments: 20101015 CP RAP with revisions (Rev 20110719).xls; 20101015 Sec 17 Rap with revisions (Rev 20110719).xls; 20101015 Section 8 RAP with revisions (Rev 20110719).xls; 20101015 U1 RAP with revisions (Rev 20110719).xls

Ron,

This email is Hydro Resources, Inc.'s response to your email dated June 29. I have formatted this by restating the request from your email followed by a response in bold font.

Please note that four electronic Excel files are attached to this email. These are the Microsoft Excel files that contain the RAPs calculations with the changes stated in the response below. For ease of observation the changed values in the spreadsheets are shown in green font.

In response to NRC RAI 1 dated May 16, 2011, "Provide cost estimates in spreadsheet form", specifically, RAI 1.1, "provide supporting calculations for all updated sections including electronic copies of the spreadsheet models", the NRC staff requests clarification regarding several of the following calculations:

* With respect to the calculations for Well Plugging and Abandonment in all four RAPs, the entries for the "Cement Req'd (w/shrinkage)" or "Cement Req'd" are multiplied by a factor of 4.808905. Please clarify the source of this factor and/or include it as an assumption in the sheet.

4.808905 is a conversion factor; one cubic yard = 4.808905 bbls. This factor has been placed in the assumption sheet.

* With respect to Section V.B of the Wellfield D&D sheets in all four RAPs, "Subtotal NRC licensed facility disposal costs" does not appear to include the cost of the backhoe rental. Please clarify whether this amount is included, or revise the estimate.

The backhoe cost includes hourly provisions for rental at \$13.75, fuel at \$9.00 and operator at \$15.00 for a total of \$37.75. The amounts for each component of backhoe cost will be updated pursuant to LC 9.5 before injection commences. For the purpose of the current update, the backhoe costs provided above are consistent with the hourly backhoe cost used elsewhere in the RAPs.

* With respect to the Surface Reclamation sheets, "Subtotal NRC-licensed facility disposal costs" in Section V.B of the Church Rock Section 8 and Unit 1 RAPs, and Section IV.B of the Crownpoint RAP do not appear to include the cost of the backhoe rental. Please clarify whether this amount is included, or revise the estimate.

See previous response.

* With respect to Section II of the Equipment Removal sheet in the Church Rock Section 8 RAP, the "Total equipment transportation and disposal costs" do not appear to include the amounts for "Reverse osmosis unit" and "Brine concentrator." Please clarify whether these amounts are included, or revise the estimate.

The formula in the appropriate cell of Section II of the Equipment Removal sheet in the Church Rock Section 8 RAP, the "Total equipment transportation and disposal costs" has been corrected to incorporate the reverse osmosis and brine concentration costs.

* With respect to Section IV.B of the Surface Reclamation sheet in the Church Rock Section 8 RAP, it is unclear whether the costs of transportation and disposal of both the inner and outer pond liners is included. Please clarify whether these amounts are included, or revise the estimate.

This ambiguity is because the multiplier for two liners is included for the 120 foot pond cell formula but the multiplier is missing in the cell formula for the 350 foot pond. The formula in the appropriate cell of the Section IV.B of the Surface Reclamation sheet for the 350 foot pond has been corrected to account for the disposal cost of two liners.

Please feel free to contact me with additional questions pertaining to this matter.

Mark Pelizza

From: Linton, Ron [Ron.Linton@nrc.gov]
 Sent: Wednesday, June 29, 2011 3:17 PM
 To: Mark Pelizza
 Cc: Przygodzki, Roman; VonTill, Bill
 Subject: RE: RAI - NRC request for clarifying information - HRI RAPs spreadsheets
 Re: HRI responses dated June 9, 2011, to NRC RAI dated May 16, 2011. NRC request for clarifying information on HRI RAPs contained in Microsoft Excel spreadsheets supplied to the NRC.

Mark:

In response to NRC RAI 1 dated May 16, 2011, "Provide cost estimates in spreadsheet form", specifically, RAI 1.1, "provide supporting calculations for all updated sections including electronic copies of the spreadsheet models", the NRC staff requests clarification regarding several of the following calculations:

* With respect to the calculations for Well Plugging and Abandonment in all four RAPs, the entries for the "Cement Req'd (w/shrinkage)" or "Cement Req'd" are multiplied by a factor of 4.808905. Please clarify the source of this factor and/or include it as an assumption in the sheet.

* With respect to Section V.B of the Wellfield D&D sheets in all four RAPs, "Subtotal NRC licensed facility disposal costs" does not appear to include the cost of the backhoe rental. Please clarify whether this amount is included, or revise the estimate.

* With respect to the Surface Reclamation sheets, "Subtotal NRC-licensed facility disposal costs" in Section V.B of the Church Rock Section 8 and Unit 1 RAPs, and Section IV.B of the Crownpoint RAP do not appear to include the cost of the backhoe rental. Please clarify whether this amount is included, or revise the estimate.

* With respect to Section II of the Equipment Removal sheet in the Church Rock Section 8 RAP, the "Total equipment transportation and disposal costs" do not appear to include the amounts for "Reverse osmosis unit" and "Brine concentrator." Please clarify whether these amounts are included, or revise the estimate.

* With respect to Section IV.B of the Surface Reclamation sheet in the Church Rock Section 8 RAP, it is unclear whether the costs of transportation and disposal of both the inner and outer pond liners is included. Please clarify whether these amounts are included, or revise the estimate.

We received your request to maintain the Microsoft Excel based model used to calculate reclamation costs as confidential and/or proprietary business information. We are reviewing the request as required by 10 CFR 2.390.

Please contact me if you have any additional questions.

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