

## CBRMarslandPEm Resource

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**From:** Shoemaker, Mirabelle  
**Sent:** Thursday, August 08, 2013 3:38 PM  
**To:** CBRMarsland Resource  
**Subject:** FW: Marsland Expansion Area (MEA) RAIs \_ (p)

-----Original Message-----

From: Shoemaker, Mirabelle  
Sent: Wednesday, August 07, 2013 4:15 PM  
To: John Schmuck  
Subject: RE: Marsland Expansion Area (MEA) RAIs

John,

Thank you for your update. An electronic and two hard copies will suffice. Thank you in advance. I look forward to receiving the documents.

Mirabelle

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From: John Schmuck [John\_Schmuck@Cameco.com]  
Sent: Wednesday, August 07, 2013 1:10 PM  
To: Shoemaker, Mirabelle  
Subject: RE: Marsland Expansion Area (MEA) RAIs

Mirabelle - Sorry for the delay, everything seems to take longer than I hope. I am 90 percent sure we will transmit the responses and page changes by end of this week. If it is ok, I will send you a complete electronic copy and two paper copies so that one of the copies can be used for ADAMs. If you like an extra copy or two let me know.

Thanks. .john

From: Shoemaker, Mirabelle [mailto:Mirabelle.Shoemaker@nrc.gov]  
Sent: Tuesday, July 09, 2013 2:58 PM  
To: John Schmuck  
Subject: RE: Marsland Expansion Area (MEA) RAIs

John,

Thank you for your quick reply and for this update!

Mirabelle

From: John Schmuck [mailto:John\_Schmuck@Cameco.com]  
Sent: Tuesday, July 09, 2013 4:54 PM  
To: Shoemaker, Mirabelle  
Subject: RE: Marsland Expansion Area (MEA) RAIs

Hey Mirabelle - Hope this finds you well.

We are doing an internal review of the page changes our consultant has put together and I am writing responses to the RAIs themselves, in most instances pointing out where we modified the application. I intend to transmit changes the last week of this month.

Thanks. .john

From: Shoemaker, Mirabelle  
[mailto:Mirabelle.Shoemaker@nrc.gov]<mailto:[mailto:Mirabelle.Shoemaker@nrc.gov]>  
Sent: Tuesday, July 09, 2013 2:50 PM  
To: John Schmuck  
Subject: RE: Marsland Expansion Area (MEA) RAIs

Hello John,

I spoke with Tom Lancaster today and he shared with me the revisions to the application that you submitted at the end of June. Do you have an update on when Environmental RAIs will be ready? It will help me determine if we remain on track to produce the final environmental document by March 2014.

Thank you,  
Mirabelle

From: John Schmuck [mailto:John\_Schmuck@Cameco.com]<mailto:[mailto:John\_Schmuck@Cameco.com]>  
Sent: Tuesday, May 21, 2013 9:43 AM  
To: Shoemaker, Mirabelle  
Subject: RE: Marsland Expansion Area (MEA) RAIs

Hi Mirabelle - We are now scheduled to submit a bunch of revisions to the Technical Report the first week in June. We will follow that with RAI responses in the third or fourth week of June.

Thanks. .john

From: Shoemaker, Mirabelle  
[mailto:Mirabelle.Shoemaker@nrc.gov]<mailto:[mailto:Mirabelle.Shoemaker@nrc.gov]>  
Sent: Monday, May 20, 2013 9:19 AM  
To: John Schmuck  
Cc: Trefethen, Jean  
Subject: RE: Marsland Expansion Area (MEA) RAIs

Hi John,

Hope you had a good weekend. I'm touching base to see if there is any update regarding the RAI submission, just so we know if we need to plan for any schedule adjustments. Thanks!

-Mirabelle

From: John Schmuck [mailto:John\_Schmuck@Cameco.com]<mailto:[mailto:John\_Schmuck@Cameco.com]>  
Sent: Wednesday, April 24, 2013 11:50 AM  
To: Shoemaker, Mirabelle  
Cc: Trefethen, Jean  
Subject: RE: Marsland Expansion Area (MEA) RAIs

Mirabelle - This info is being added into the TR and I hope to have a submission late next week or the following week. (We are running a couple weeks late).

Some of the TR updates will be rolled into the ER when we submit responses to your RAIs, most notably the cumulative impact analysis, the severe weather impact analysis, updated 106 activities and cumulative groundwater and surface water impacts. We will also update any additional baseline data we have. There won't be a separate submission. You'll get RAI responses and some bonus information at the same time.

Thanks. .john

From: Shoemaker, Mirabelle  
[mailto:Mirabelle.Shoemaker@nrc.gov]<mailto:[mailto:Mirabelle.Shoemaker@nrc.gov]>  
Sent: Wednesday, April 24, 2013 6:08 AM  
To: John Schmuck  
Cc: Trefethen, Jean  
Subject: RE: Marsland Expansion Area (MEA) RAIs

Hi John,

On 19 February 2013, you indicated in an email that there would be new application information that might address some of the questions we identified in the RAIs. The list included:

- All available baseline data and an updated schedule for completion of baseline data collection
- Expanded cumulative impact analysis (ER and TR)
- Additional meteorological analysis
- Enhanced severe weather impact analysis
- Update NHPA Section 106 activities
- Additional detail on calculation of "flare factor"
- Detailed water balance and disposal capacity analysis
- Additional analysis of waste disposal alternatives
- Super-conceptual design for surge tanks
- Super-conceptual design for ponds (ponds are being added to application as an option)
- Additional erosion/drainage characterization including 10, 20, 50 and 100 peak flows
- Overlap and cumulative groundwater and surface water impacts of operations and multiple deep disposal wells on both a site-specific as well as a regional basis including operations in the Crawford basin.
- Updated Mildos to include ponds

Your email indicated that we could expect those during the third week of April 2013. I just wanted to confirm that this information is something that will be incorporated when CBR responds to the RAIs and not as a separate document from the RAIs.

Thanks,

Mirabelle

From: John Schmuck [mailto:John\_Schmuck@Cameco.com]<mailto:[mailto:John\_Schmuck@Cameco.com]>  
Sent: Thursday, April 18, 2013 4:20 PM  
To: Shoemaker, Mirabelle

Cc: Trefethen, Jean  
Subject: RE: Marsland Expansion Area (MEA) RAIs

Mirabelle - Between a bad cold and bad weather this week has been interrupted a number of times. At this time, I am working to provide a substantial update to the Technical Report based upon the debrief we received at the close of the completion review. I am also incorporating your ER comments into the TR update.

My plan is to first complete the TR update based upon the completion review debrief and then I will submit responses to comments and page changes to you for the ER. It should not take terribly long once we finish the TR update, which we plan to submit the first or second week of May. I would expect to submit ER responses and page changes in late May.

I'll try to call tomorrow or Monday. I really did not have many questions about the RAIs, which made sense to me.

Thanks. .john

From: Shoemaker, Mirabelle  
[mailto:Mirabelle.Shoemaker@nrc.gov]<mailto:[mailto:Mirabelle.Shoemaker@nrc.gov]>  
Sent: Wednesday, April 17, 2013 10:44 AM  
To: John Schmuck  
Cc: Trefethen, Jean  
Subject: FW: Marsland Expansion Area (MEA) RAIs

Good morning John,

I am following up to see if you received my email, below. Please let me know of your availability at your earliest convenience. Thank you!

-Mirabelle

From: Shoemaker, Mirabelle  
Sent: Wednesday, April 10, 2013 12:33 PM  
To: 'John Schmuck'  
Cc: Trefethen, Jean  
Subject: RE: Marsland Expansion Area (MEA) RAIs

John,

Thank you for providing the disc. I have received it.

I am following up with you (and copy to Jean) to touch base on the status of the RAIs. I understand that the next step would typically involve a call with you to clarify any and all points in the RAIs that may be of question and to get an estimate on when we can expect to receive a response. Please let me know of your availability regarding a call to this effect.

Thank you!

-Mirabelle

From: John Schmuck [mailto:John\_Schmuck@Cameco.com]<mailto:[mailto:John\_Schmuck@Cameco.com]>  
Sent: Monday, April 01, 2013 12:41 PM  
To: Shoemaker, Mirabelle  
Subject: RE: Marsland Expansion Area (MEA) RAIs

Mirabelle - Good morning. I finally figured this out. The problem is that each figure is about 20 to 25mb. Could you please give me your mailing address so I may mail a cd to you?

The Word files turn out a little bit weird, but I think the parts you can select will meet your needs.

Thanks. .john

From: Shoemaker, Mirabelle  
[mailto:Mirabelle.Shoemaker@nrc.gov]<mailto:[mailto:Mirabelle.Shoemaker@nrc.gov]>  
Sent: Tuesday, March 26, 2013 1:58 PM  
To: John Schmuck  
Subject: RE: Marsland Expansion Area (MEA) RAIs

John,

Thank you for taking time to speak with me on the phone today.

As promised, I'm following up with the list of figures. If you could provide these figures to us (Word doc. or some other format to be incorporated into the EA) it would help reduce workload on our side.

Figure:

- . 1.1-3 (page 1-57)
- . 1.1-7 (page 1-65)
- . 1.3-6 (page 1-79)
- . 1.4-1 (page 1-83)
- . 3.1-1 (page 3-233)
- . 3.5-1 (page 3-313)
- . 3.5-2 (page 3-315)
- . 3.10-1 (page 3-381)

-Mirabelle

From: John Schmuck [mailto:John\_Schmuck@Cameco.com]<mailto:[mailto:John\_Schmuck@Cameco.com]>  
Sent: Monday, March 25, 2013 5:00 PM  
To: Shoemaker, Mirabelle  
Subject: RE: Marsland Expansion Area (MEA) RAIs

Absolutely.

John Schmuck  
W: 307.316.7587  
C: 303.888.8174 (if important)

From: Shoemaker, Mirabelle  
[mailto:Mirabelle.Shoemaker@nrc.gov]<mailto:[mailto:Mirabelle.Shoemaker@nrc.gov]>  
Sent: Monday, March 25, 2013 11:35 AM  
To: John Schmuck

Subject: RE: Marsland Expansion Area (MEA) RAIs

Thank you, John. I also wanted follow up with a request separate from the formally submitted RAIs. May I call you to discuss? I don't believe I have your contact information outside of your email.

From: John Schmuck [mailto:John\_Schmuck@Cameco.com]<mailto:[mailto:John\_Schmuck@Cameco.com]>  
Sent: Monday, March 25, 2013 12:57 PM  
To: Shoemaker, Mirabelle  
Cc: Trefethen, Jean; Goodman, Nathan  
Subject: RE: Marsland Expansion Area (MEA) RAIs

Mirabelle, thanks very much and it's nice to meet you....

.john

From: Shoemaker, Mirabelle  
[mailto:Mirabelle.Shoemaker@nrc.gov]<mailto:[mailto:Mirabelle.Shoemaker@nrc.gov]>  
Sent: Monday, March 25, 2013 10:55 AM  
To: John Schmuck  
Cc: Trefethen, Jean; Goodman, Nathan  
Subject: Marsland Expansion Area (MEA) RAIs

Good morning John,

I don't believe I've had the opportunity to speak with you since coming on board to this project. My name is Mirabelle Shoemaker, and I am one of the project managers working on the MEA project. We've prepared a mail package to your attention, which contains the RAIs for the MEA application amendment. You should be receiving it soon, but I've attached a scan copy here for your convenience.

Please don't hesitate to contact me should you have any questions.

Thank you,

Mirabelle O. Shoemaker  
Project Manager  
U.S. Nuclear Regulatory Commission

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**Subject:** FW: Marsland Expansion Area (MEA) RAIs \_ (p)  
**Sent Date:** 8/8/2013 3:37:54 PM  
**Received Date:** 8/8/2013 3:37:55 PM  
**From:** Shoemaker, Mirabelle

**Created By:** Mirabelle.Shoemaker@nrc.gov

**Recipients:**  
"CBRMarsland Resource" <CBRMarsland.Resource@nrc.gov>  
Tracking Status: None

**Post Office:** HQCLSTR01.nrc.gov

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**Return Notification:** No  
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