

PrairieIslandISFSIPem Resource

From: Chesnutt, Samuel [Samuel.Chesnutt@xenuclear.com]
Sent: Wednesday, July 23, 2014 2:01 PM
To: Longmire, Pamela
Cc: Nelson, Oley; Eckholt, Gene F.; Pickens, Terry A; Baumann, Michael F.; Morrison, Tim
Subject: RE: HB AMP Elements 1 and 2

Dr. Longmire,

In the revised version of Element 1 that we sent to you earlier today, we included the statement that the first high burnup fuel assembly was placed into storage operation in April 2013. From our view, this would be an acceptable date for tracking storage of high burnup fuel.

If more specific dates would be useful, here are the dates of key events:

- Loaded the first fuel element into the cask (while still in the spent fuel pool) on March 25, 2013
- Commenced removal of water from the cask (when fuel cladding temperature starts to increase) on March 26, 2013
- Placed the cask into storage operation on the ISFSI pad on April 4, 2013.

Thanks,

Sam Chesnutt

**Xcel Energy | Responsible By Nature
Projects Licensing Engineer**

Prairie Island Nuclear Generating Plant

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From: Longmire, Pamela [<mailto:Pamela.Longmire@nrc.gov>]
Sent: Wednesday, July 23, 2014 12:23 PM
To: Chesnutt, Samuel; PrairieIslandISFSIHearing Resource
Cc: Nelson, Oley; Eckholt, Gene F.; Pickens, Terry A; Baumann, Michael F.; Morrison, Tim
Subject: RE: HB AMP Elements 1 and 2

Fuel Stored in a TN-40HT Cask,” is limited to an assembly average burnup to 60 GWd/MTU (note that the nominal burnup value is lower to account for uncertainties). The cladding materials for the Prairie Island high burnup fuel are Zircaloy-4 and Zirlo™, and the fuel is stored in a dry helium environment. High burnup fuel was first loaded into the TN-40HT on **XX-XX-XXXX**

From: Chesnutt, Samuel [<mailto:Samuel.Chesnutt@xenuclear.com>]
Sent: Tuesday, July 22, 2014 6:47 PM
To: Longmire, Pamela
Cc: Nelson, Oley; Eckholt, Gene F.; Pickens, Terry A; Baumann, Michael F.; Morrison, Tim
Subject: HB AMP Elements 1 and 2

Dr. Longmire,

Attached are Elements 1 and 2 of the HB AMP, based on our discussions this morning.

Please provide this to your staff for input into the revised Draft fuel performance AMP. We have no further comments on the subject AMP beyond those discussed this morning, and this completes our action from this morning's meeting relative to the AMP.

As discussed, I still owe you a meeting summary report.

Thank you,

Sam Chesnutt

**Xcel Energy | Responsible By Nature
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Prairie Island Nuclear Generating Plant

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From: Chesnutt, Samuel

Created By: Samuel.Chesnutt@xenuclear.com

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