

## **NRR-PMDAPEm Resource**

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**From:** Beltz, Terry  
**Sent:** Tuesday, February 26, 2013 12:54 PM  
**To:** Adams, Glenn D.  
**Cc:** 'Eckholt, Gene F.'; Hunt, Christopher; Yoder, Matthew  
**Subject:** Monticello Nuclear Generating Plant - Request for Additional Information re: License Amendment Request to Support Fuel Storage Changes (TAC No. ME9893)  
**Attachments:** Monticello - Fuel Storage Change LAR - Second Set of ESGB Requests for Additional Information.docx

Dear Mr. Adams:

By letter dated October 30, 2012 (Agencywide Documents Access and Management System Accession No. ML12307A433), Northern States Power Company – Minnesota, doing business as Xcel Energy, Inc., submitted a license amendment request to revise the Monticello Nuclear Generating Plant Technical Specifications to support fuel storage system changes and a revised criticality safety analysis that addresses legacy fuel types and new fuel designs.

The U.S. Nuclear Regulatory Commission (NRC) staff in the Steam Generator Tube Integrity and Chemical Engineering Branch (ESGB) of the Office of Nuclear Reactor Regulation is currently reviewing your submittal. The ESGB staff has determined that additional information is required to complete its review. The draft requests for additional information (RAI) are attached.

You may accept this draft RAI as a formal Request for Additional Information and respond to the questions by April 3, 2013. Alternatively, you may request to discuss the contents of this RAI with the NRC staff in a conference call, including any change to the proposed response date.

Please let me know if you have any questions or concerns.

Sincerely,

*Terry A. Beltz, Senior Project Manager  
Plant Licensing Branch III-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation  
(301) 415-3049  
[Terry.Beltz@nrc.gov](mailto:Terry.Beltz@nrc.gov)*

**Hearing Identifier:** NRR\_PMDA  
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**Subject:** Monticello Nuclear Generating Plant - Request for Additional Information re:  
License Amendment Request to Support Fuel Storage Changes (TAC No. ME9893)  
**Sent Date:** 2/26/2013 12:54:25 PM  
**Received Date:** 2/26/2013 12:54:00 PM  
**From:** Beltz, Terry

**Created By:** Terry.Beltz@nrc.gov

**Recipients:**

"Eckholt, Gene F." <Eugene.Eckholt@xenuclear.com>  
Tracking Status: None  
"Hunt, Christopher" <Christopher.Hunt@nrc.gov>  
Tracking Status: None  
"Yoder, Matthew" <Matthew.Yoder@nrc.gov>  
Tracking Status: None  
"Adams, Glenn D." <Glenn.Adams@xenuclear.com>  
Tracking Status: None

**Post Office:**

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	1436	2/26/2013 12:54:00 PM
Monticello - Fuel Storage Change LAR - Second Set of ESGB Requests for Additional Information.docx		
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**Options**

**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**

REQUEST FOR ADDITIONAL INFORMATION  
REGARDING MONTICELLO NUCLEAR GENERATING PLANT  
LICENSE AMENDMENT REQUEST SUPPORTING SPENT FUEL STORAGE CHANGES  
SPENT FUEL POOL NEUTRON ABSORBING MATERIAL - BORAL  
NORTHERN STATES POWER COMPANY – MINNESOTA  
MONTICELLO NUCLEAR GENERATING PLANT

DOCKET NO. 50-263

(TAC NO. ME9893)

By application dated October 30, 2012 (Agencywide Documents Access and Management System Accession No. ML12307A433), Northern States Power Company – Minnesota, doing business as Xcel Energy, Inc., submitted a license amendment request to revise the Monticello Nuclear Generating Plant (MNGP) Technical Specifications to support fuel storage system changes and a revised criticality safety analysis that addresses legacy fuel types and new fuel designs.

The U.S. Nuclear Regulatory Commission (NRC) staff in the Steam Generator Tube Integrity and Chemical Engineering Branch of the Office of Nuclear Reactor Regulation has determined that additional information is required to complete its review.

The NRC staff requests the following information:

Xcel Energy states in its application that a uniform 0.055 inch void region is used in the criticality safety analysis as a conservative model for potential blistering of Boral. Please provide a response to the following:

1. Provide justification for why a uniform 0.055 inch void region is conservative.
2. What acceptance criterion will be used to determine if the blistered volume of a Boral panel meets or exceeds a uniform 0.055 inch void region?
3. Describe how Xcel Energy will determine if this acceptance criterion is being met?
4. If the acceptance criterion is not met, describe what additional actions may be taken.