

May 2, 2008

MEMORANDUM TO: Nader Mamish, Deputy Director  
Licensing and Inspection Directorate  
Division of Spent Fuel Storage and Transportation  
Office of Nuclear Material Safety  
and Safeguards

FROM: B. Jennifer Davis, Senior Project Manager /RA/  
Licensing Branch  
Division of Spent Fuel Storage and Transportation  
Office of Nuclear Material Safety  
and Safeguards

SUBJECT: SUMMARY OF APRIL 22, 2008, MEETING WITH NUCLEAR  
MANAGEMENT COMPANY TO DISCUSS MONTICELLO NUCLEAR  
GENERATING PLANT'S PREPARATIONS FOR LOADING UNDER THE  
STANDARDIZED NUHOMS<sup>®</sup> SYSTEM

PURPOSE:

For U.S. Nuclear Regulatory Commission (NRC) staff and Nuclear Management Company (NMC) staff to discuss Monticello's dry fuel storage plans, and the status of Monticello Nuclear Generating Plant's (MNGP) preparations for loading under the Standardized NUHOMS<sup>®</sup> system.

MEETING SUMMARY:

The meeting took place on April 22, 2008, from 2:00 pm to 3:30pm, at the NRC's Executive Boulevard Building in Rockville, MD. Attendees included NMC staff, a representative from Transnuclear, Inc., NRC's Division of Spent Fuel Storage and Transportation (DSFST) staff, and several members of the public. An attendance list is enclosed. The meeting began with introductions, introductory remarks by SFST staff and NMC staff, and then quickly moved into a discussion of Monticello's plans. (Slides enclosed.)

NMC began with a discussion of the plant status. Their dry fuel will be stored under a general license, and the State of Minnesota has already authorized placement of 30 NUHOMS<sup>®</sup> containers. The MGNP Spent Fuel Pool capacity is currently short of Full Core Offload capability.

The Reactor Building crane was upgraded to a Single Failure Proof Crane in 1977, and in 2006, was upgraded to a 105 ton capacity. (The lift beam is also rated for 105 tons.) A 125% static load test was successfully performed following the upgrade. One of the NRC staff queried the load test performed on the transfer cask trunnions and noted that cask vendors had tested to 150% or 300% lift capacity. NMC committed to investigate the licensing basis and determine if further testing is necessary.

The applicable requirements and guidance for dry fuel loading and storage have already been implemented, or are already included in loading procedures. In addition, the MNGP Security

Plan has been revised, and the Site Security procedures have been updated, to incorporate changes required by the implementation of the Independent Spent Fuel Storage Installation (ISFSI). An NRC staff-member pointed out that NRC will need to verify implementation of its security orders, including review of the MNGP Security Plan. Following the meeting, NMC contacted the NRC's Office of Nuclear Security and Incident Response to begin this process. Finally, the MNGP Emergency Plan and supporting procedures have been updated to incorporate changes required by the implementation of the ISFSI.

Monticello has completed construction of the 2x6 ISFSI array required for this loading campaign. Monticello plans to begin loading ten canisters in late summer 2008, and complete loading in October 2008. The canisters will be loaded under the current Transnuclear, Inc., Standardized NUHOMS® design, Amendment 9. Following this loading campaign, Monticello will regain full-core offload capability.

The members of the public in attendance did not have any questions or comments.

No regulatory decisions were made at the meeting.

If you have any questions or comments, please contact Jennifer Davis at (301) 492-3371 or [BJennifer.Davis@nrc.gov](mailto:BJennifer.Davis@nrc.gov).

Docket No.: 72-1004

Enclosures:

1. Attendance List
2. Meeting Handouts

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DISTRIBUTION:

NRC attendees      BWhite      PTam, NRR      PKelley, NSIR

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<b>OFC:</b>	SFST	E	SFST		SFST	
<b>NAME:</b>	JDavis		WWheatley		MRahimi	
<b>DATE:</b>	04/30/2008		04/30/2008		05/02/2008	

April 22, 2008  
ATTENDANCE LIST

<u>Name</u>	<u>Affiliation</u>
Larry Campbell	NRC/SFST
Jennifer Davis	NRC/SFST
Ray Wharton	NRC/SFST
Michel Call	NRC/SFST
Jim Pearson	NRC/SFST
David Tang	NRC/SFST
Chris Bajwa	NRC/SFST
Bob Shewmaker	NRC/SFST
Jeremy Smith	NRC/SFST
Daniel Forsyth	NRC/SFST
Natreon Jordan	NRC/SFST
Randy Hall	NRC/SFST
Bob Tripathi	NRC/SFST
Kevin Witt	NRC/SFST
Matt Learn	NRC/RIII (via telecon)
Sarah Bakhsh	NRC/RIII (via telecon)
Don Shaw	TN, Inc.
Mark McKeown	NMC-Xcel Energy
Scott Quiggle	NMC-Xcel Energy
Rick Loeffler	NMC-Xcel Energy
Maureen Conley	Platts/McGraw-Hill
Carlyn Greene	Ux Consulting