July 24, 2008

MEMORANDUM TO: Nader L. Mamish, Deputy Director
Licensing and Inspection Directorate
Division of Spent Fuel Storage and Transportation, NMSS

FROM: James R. Hall, Senior Project Manager **/RA/**
Licensing Branch
Licensing and Inspection Directorate
Division of Spent Fuel Storage and Transportation, NMSS

SUBJECT: SUMMARY OF JUNE 25, 2008, MEETING WITH NAC INTERNATIONAL ON A PROPOSED AMENDMENT TO THE CERTIFICATE OF COMPLIANCE FOR THE NAC-MPC STORAGE SYSTEM (TAC NO. L24222)

On June 25, 2008, Nuclear Regulatory Commission (NRC) staff from the Division of Spent Fuel Storage and Transportation (SFST) met with representatives of NAC International (NAC) and Dairyland Power Cooperative (DPC) at NRC Headquarters in Rockville, Maryland. The meeting was held to discuss NAC's planned application for an amendment to the Certificate of Compliance (CoC) for the NAC-MPC spent fuel dry cask storage system. The amendment would support DPC's plans to construct and operate the La Crosse Boiling Water Reactor (LACBWR) Independent Spent Fuel Storage Installation (ISFSI), under the general license provisions of 10 CFR Part 72.

The purpose of the meeting was for NAC to discuss the technical bases, content, and format of its planned application in support of changes to the existing NAC-MPC system design and analyses, to accommodate storage of spent fuel at the LACBWR ISFSI. The meeting was noticed on June 11, 2008. Enclosure 1 is a list of attendees and Enclosure 2 contains the NAC presentation slides.

In the initial part of the presentation, NAC described the operating history of the LACBWR and the need for the ISFSI, in order to proceed with further decommissioning activities at the site. NAC noted some unique characteristics of the LACBWR spent fuel; the fuel is all stainless steel clad and has a maximum burnup of 22,000 MwD/MTU. DPC plans to load a total of 5 NAC-MPC casks, which will store all remaining spent fuel at the site. They currently plan to commence ISFSI loading in the third quarter of 2010.

NAC stated that the amendment request will be submitted for NRC review in December 2008. NAC intends to minimize the design changes to the NAC-MPC system, to allow for more efficient NRC review and easier fabrication of the system components. The transfer cask to be used at LACBWR will be the same as the one used at the Yankee Rowe site; the vertical concrete cask (VCC) design will be only slightly revised, and the internal MPC basket design and materials of construction will be consistent with the existing approved system.

NAC provided details of the analyses performed, or to be performed, in support of the amendment request, including structural, thermal, shielding, and criticality evaluations. With respect to characterization of the fuel, DPC will classify all 155 Allis-Chalmers fuel assemblies as damaged, and thus they will be placed in damaged fuel containers in each canister. The remaining 178 Exxon fuel assemblies are to be classified as undamaged, based on fuel sipping records.

NAC identified its requested schedule for NRC review of the amendment. The application is scheduled to be submitted in December 2008, with the completion of NRC's technical review requested by November 2009, to allow for rulemaking to be completed and the amendment to become effective in March of 2010. NAC expressed its desire for an expedited NRC review, based on the limited extent of changes in design and analyses, and encouraged NRC to assign experienced reviewers to the case, if possible.

No regulatory decisions were made by the NRC during the meeting.

Docket No. 72-1025
TAC No. L24222

Enclosures: 1. Attendance List
2. NAC Presentation Slides

NAC provided details of the analyses performed, or to be performed, in support of the amendment request, including structural, thermal, shielding, and criticality evaluations. With respect to characterization of the fuel, DPC will classify all 155 Allis-Chalmers fuel assemblies as damaged, and thus they will be placed in damaged fuel containers in each canister. The remaining 178 Exxon fuel assemblies are to be classified as undamaged, based on fuel sipping records.

NAC identified its requested schedule for NRC review of the amendment. The application is scheduled to be submitted in December 2008, with the completion of NRC's technical review requested by November 2009, to allow for rulemaking to be completed and the amendment to become effective in March of 2010. NAC expressed its desire for an expedited NRC review, based on the limited extent of changes in design and analyses, and encouraged NRC to assign experienced reviewers to the case, if possible.

No regulatory decisions were made by the NRC during the meeting.

Docket No. 72-1025
TAC No. L24222

Enclosures: 1. Attendance List
2. NAC Presentation Slides

DISTRIBUTION:
NMSS r/f SFST r/f DMcIntyre, OPA BWhite
APessin, OGC NRC attendees/without attachments PLouden, RIII
Package Accession No. ML082060033
Document Accession No. ML082050636

OFC	SFST	E	SFST		SFST					
NAME	JRHall		WWheatley		EBenner					
DATE	07/24/2008		07/24/2008		07/24/2008					

OFFICIAL RECORD COPY

Enclosure 1

NRC Meeting with NAC
And Dairyland Power Cooperative
June 25, 2008

ATTENDANCE LIST

Name	Affiliation
Nader Mamish	NRC/NMSS/SFST
Marissa Bailey	NRC/NMSS/SFST
Eric Benner	NRC/NMSS/SFST
James R. Hall	NRC/NMSS/SFST
Mike Waters	NRC/NMSS/SFST
David Tang	NRC/NMSS/SFST
Jorge Solis	NRC/NMSS/SFST
Bob Tripathi	NRC/NMSS/SFST
Mike Call	NRC/NMSS/SFST
Zhian Li	NRC/NMSS/SFST
Shana Helton	NRC/NMSS/SFST
Bob Einziger	NRC/NMSS/SFST
Luis Cruz	NRC/NMSS/SFST
Jim Pearson	NRC/NMSS/SFST
Kristina Banovac	NRC/FSME/DWMEP
Craig Seaman	NAC
Tom Danner	NAC
Mike Yaksh	NAC
Holger Pfeifer	NAC
Tony Patko	NAC
Allan Altera	NAC
Roger Christians	DPC
Michael Brasel	DPC
Maureen Conley	Platts/McGraw Hill

Enclosure 2

NAC Presentation Slides

(See ADAMS Accession No. ML082050663)