

August 29, 2006

MEMORANDUM TO: William H. Ruland, Deputy Director  
Licensing and Inspection Directorate  
Spent Fuel Project Office, NMSS

FROM: Jose R. Cuadrado, Project Engineer **/RA/**  
Licensing Section  
Spent Fuel Project Office, NMSS

SUBJECT: SUMMARY OF AUGUST 16, 2006, MEETING WITH GLOBAL  
NUCLEAR FUEL (GNF)

On August 16, 2006, staff from the Spent Fuel Project Office (SFPO) met with representatives of Global Nuclear Fuel (GNF). The purpose of the meeting was to provide an overview of NRC's needs for information related to spent fuel cladding behavior data and to discuss GNF's research activities on fuel cladding design and performance. Portions of the meeting were closed to the public to discuss proprietary information. No regulatory decisions were made nor requested. The meeting was noticed on July 28, 2006.

SFPO staff explained the purpose and the expected outcomes of the meeting. The staff began its presentation by providing an overview of the spent fuel performance goals required by the regulations for spent fuel storage and transportation. The staff discussed the information it has collected on fuel cladding performance, with emphasis on high-burnup fuel, and the specific guidance and requirements it has provided based on this information. The staff explained that it continues to face challenges in these areas due to the scarcity of information pertaining to high-burnup fuel cladding data. The staff expressed its interest in learning more about GNF's fuel cladding material research programs, and in determining the applicability of these to current SFPO research needs.

During the second part of the meeting, representatives from GNF made two presentations summarizing the scope of their nuclear fuel research activities. During the first presentation, GNF provided an overview of their current fuel performance and characterization activities. GNF discussed the types of fuel assemblies it manufactures and the scope of its fuel testing and research programs, which include several programs designed to assess irradiated fuel cladding behavior and performance. During the second presentation, GNF discussed the applicability of its research activities to dry storage. GNF explained the different cladding degradation mechanisms used to assess fuel performance, and discussed the different research activities they are undergoing in these areas.

W. Ruland

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After the presentations, SFPO staff expressed its gratitude to GNF for supporting NRC's efforts. The staff also expressed its interest in learning more about GNF's research activities and visiting its research facilities. GNF stated it is willing to support NRC's efforts in this area.

The non-proprietary meeting handouts and attendance list are attached.

TAC No. L20770

Enclosures:   1. Attendance List  
                  2. Meeting Handout

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NRC Attendees      BWhite

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<b>OFC:</b>	SFPO	E	SFPO		SFPO	
<b>NAME:</b>	JCuadrado	EZiegler		CRegan		
<b>DATE:</b>	8/24/06	8/29/06		8/29/06		

OFFICIAL RECORD COPY

**Meeting between Global Nuclear Fuel  
and the Nuclear Regulatory Commission**

**NRC Headquarters**

**August 16, 2006**

**ATTENDANCE LIST**

<b>NAME</b>	<b>ORGANIZATION</b>
Jose Cuadrado	NRC/NMSS/SFPO
William Ruland	NRC/NMSS/SFPO
Robert Einziger	NRC/NMSS/SFPO
Chris Brown	NRC/NMSS/SFPO
Gordon Bjorkman	NRC/NMSS/SFPO
Christopher Bajwa	NRC/NMSS/SFPO
Jerry Chuang	NRC/NMSS/SFPO
Charles Interrante	NRC/NMSS/SFPO
Geoff Hornseth	NRC/NMSS/SFPO
Bob Tripathi	NRC/NMSS/SFPO
Ron Parkhill	NRC/NMSS/SFPO
Michel Call	NRC/NMSS/SFPO
Carl Withee	NRC/NMSS/SFPO
Kenneth Armstrong	NRC/NMSS/SFPO
Nancy Osgood	NRC/NMSS/SFPO
Bob Shewmaker	NRC/NMSS/SFPO
Elaine Keegan	NRC/NMSS/SFPO
Harold Scott	NRC/RES
Ralph Meyer	NRC/RES
Dennis Galvin	NRC/HLWRS
Gerald Potts	GNF
Charles Patterson	GNF
Alex Hay	GE-Dry Fuel Services
Thecla Fabian	Fuel Cycle Week