

February 22, 2019

MEMORANDUM TO: Christopher M. Regan, Deputy Director
Division of Spent Fuel Management
Office of Nuclear Material Safety
and Safeguards

FROM: Chris Allen, Project Manager /RA/
Spent Fuel Licensing Branch
Division of Spent Fuel Management
Office of Nuclear Material Safety
and Safeguards

SUBJECT: SUMMARY OF FEBRUARY 5, 2019 PUBLIC MEETING WITH
GENERAL ELECTRIC HITACHI TO DISCUSS SHIPPING ACCIDENT
TOLERANT FUEL IN THE MODEL NO. 2000 PACKAGE

Background

This was a category 1 public meeting between General Electric Hitachi (GEH), and U.S. Nuclear Regulatory Commission (NRC) staff to discuss shipping irradiated accident tolerant fuel rod segments in the Model No. 2000 package. Regulatory commitments were not made at the meeting. GEH provided presentation slides prior to the meeting. The publicly available meeting presentation slides are attached as Enclosure 3.

Meeting Summary

On February 5, 2019, NRC staff held a partially closed public meeting with GEH representatives via teleconference. The list of meeting attendees is Enclosure 1. The discussion followed the agenda provided in Enclosure 2.

After introductions and opening remarks, GEH briefly reviewed the licensing history of the Model No. 2000 package before outlining their approach to amending the Model No. 2000 certificate of compliance. GEH stated that they intended to submit a mark-up of the Model No. 2000 certificate of compliance and safety analysis report page changes in support of their application. Subsequently, GEH discussed the proposed technical changes to each safety analysis report chapter to support authorizing shipments of accident tolerant fuel in the Model No. 2000 package. During their discussion, GEH also identified their approach to addressing NRC staff requests for additional information associated with irradiated fuel rods which had not been answered during the previous Model No. 2000 amendment request (Agencywide Documents Access and Management System Accession No. ML16235A154).

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In addition, to the information contained in the meeting slides, GEH either provided clarifying information in response to NRC staff questions about the package design, the accident tolerant fuel characteristics and the safety function of the accident tolerant fuel cladding, or committed to obtaining more information to better address NRC staff's questions. In addition, the approach to developing radiological source terms and determining dose rates generated much discussion. As a result of the information exchange, both GEH and NRC staff agreed that a public meeting to discuss radiological source terms and radiological analyses was warranted. After discussing potential dates for the next pre-application meeting and the amendment submittal, the meeting was adjourned.

Docket No.: 71-9228

EPID No. L-2018-LRM-0090

Enclosures:

1. Meeting Attendees
2. Agenda
3. Meeting Slides

SUMMARY OF FEBRUARY 5, 2019, PUBLIC MEETING WITH GENERAL ELECTRIC HITACHI
TO DISCUSS SHIPPING ACCIDENT TOLERANT FUEL IN THE MODEL NO. 2000 PACKAGE,
DOCUMENT DATE: February 22, 2019

DISTRIBUTION:

DSFM r/f NRC attendees

Filename: G:\SFST\Allen\Part 71\9228 (GE-2000)\ATF\MeetingSummary.docx

ADAMS PKG No.: ML19056A061**Memo: ML19053A695**

OFC:	SFM		SFM		SFM	
NAME:	WAllen		SFigueroa via e-mail		JMcKirgan	
DATE:	2/21/19		2/21/19		2/22/19	

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MEETING ATTENDEES

NAME	AFFILIATION	NAME	AFFILIATION
Chris Regan	NRC	Michelle Catts	GEH
John McKirgan	NRC	Christopher Kmiec	GEH
Meraj Rahimi	NRC	Scott Pfeffer	GEH
Travis Tate	NRC	Don Hartsock	GEH
Yaira Diaz-Sanabria	NRC	Fred Jones	GEH
Tae Ahn	NRC	Erik Kirstein	GEH
Chris Allen	NRC	Carlos Martinez	GEH
Jimmy Chang	NRC	Lisa Schichlein	GEH
Drew Barto	NRC		
James Hammelman	NRC		
JoAnn Ireland	NRC		
Yong Kim	NRC		
Jason Plotter	NRC		
Ricardo Torres	NRC		
Darrell Dunn	NRC		
Chris Bajwa	NRC		
Olivier Lareynie	NRC Foreign Assignee		

AGENDA
Meeting between General Electric Hitachi (GEH) and the
Nuclear Regulatory Commission
February 5, 2019
1:00 p.m. – 4:00 p.m.
Two White Flint T7B51

Public Session (15-20 minutes)

- Introduction (Attendees and Purpose)
- Review of the Meeting Agenda
- High-Level Discussion of RAIs [[ML16235A154](#)]

Non-Public Session

- Chapter by Chapter Review of Technical Approach
- Submittal Strategy and Timing
- Discuss Plan and Timing for Next Meeting

Meeting Presentation Slides