

July 25, 2017

MEMORANDUM TO: Dennis C. Morey, Chief
Licensing Processes Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

FROM: Joseph A. Golla, Project Manager */RA/*
Licensing Processes Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF JUNE 28, 2017, MEETING WITH SOUTHERN
NUCLEAR AND GENERAL ELECTRIC/GLOBAL NUCLEAR
FUELS REGARDING ACCIDENT TOLERANT FUEL

On June 28, 2017, the U.S. Nuclear Regulatory Commission (NRC) staff hosted a meeting at offices of Global Nuclear Fuel (GNF) in Castle Hayne, North Carolina, to discuss the insertion of accident tolerant lead test assemblies (LTAs) into the Plant Hatch, Unit 1 reactor. This is scheduled to take place in the first quarter of 2018.

Attendees included representatives from Southern Nuclear (SN), GE Hitachi and GNF. Other industry representatives participated by telephone. A list of meeting participants is enclosed.

At the meeting, Mr. Randy Dunavant of SN described the regulatory approach that SN is pursuing regarding this. SN will be performing a 10 CFR 50.59 evaluation to place the LTAs into the core using a provision of the Plant Hatch Technical Specifications, i.e., T.S. 4.2.1 "Fuel Assemblies." This provision allows a limited number of lead test assemblies that have not completed representative testing to be placed in non-limiting core regions. SN believes that a License Amendment Request (LAR) or a license exemption is required for the shipping casks that will be used to ship the LTAs because prior approval is limited to zirconium clad fuel rods. ATF fuel rods are fabricated using steel due to its high temperature accident performance characteristics. SN therefore intends to pursue obtaining either a LAR or an exemption for the shipping casks.

NRC staff present at the meeting discussed these aspects with the SN representatives. Mr. Paul Clifford, NRC lead technical staff member for the ATF effort indicated he was comfortable with this regulatory approach.

No members of the public were present at the meeting nor did any identify themselves on the telecom that was setup for the meeting.

Subsequent to the meeting, a letter from the NRC addressing the subject of the meeting entitled "Response to Nuclear Energy Institute Letter Concerning the Regulatory Path for Lead Test Assemblies" was issued. The letter is dated June 29, 2017, and can be accessed publicly in the NRC Agency Documents Access and Management System (ADAMS) at Accession No. ML17150A443.

Project Nos. 710 and 712

Enclosure:
Attendees List

CONTACT: Joseph A. Golla, NRR/DPR
301-415-1002

SUBJECT: SUMMARY OF JUNE 28, 2017, MEETING WITH SOUTHERN NUCLEAR AND GENERAL ELECTRIC/GLOBAL NUCLEAR FUEL CONCERNING ACCIDENT TOLERANT FUEL DATED: JULY 25, 2017

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OFFICE	NRR/DPR/PM/PLPB	NRR/DPR/BC/PLPB	NRR/DPR/PM/PLPB
NAME	JGolla	DMorey	JGolla
DATE	7/18/17	7/19/17	7/25/17

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**NRC Public Meeting
Southern Nuclear, General Electric/Global Nuclear Fuel
Accident Tolerant Fuel Lead Test
Assembly Introduction at Plant Hatch**

June 28, 2017

Name	Organization
Joshua Whitman	NRC/NRR/DSS
Paul Clifford	NRC/NRR/DSS
Jeremy Dean	NRC/NRR/DSS
Robert Lukes	NRC/NRR/DSS
Joseph Golla	NRC/NRR/DPR
Jim Harrison	GEH/GNF
Jerry Head	GEH
Randy Dunavant	SN
Nicholas Satterlee	SN
Russ Fawcett	GNF
Robert Florian*	SN
Phil Opsal*	AREVA
Eddie Gibson*	SN
John Williams*	SN
Josh Duc*	Duke Energy
Randy Hight*	Duke Energy
Jack Grobe*	Exelon
Carl O'Farrill*	FPL
Kristopher Cummings*	NEI
Javier Romero*	Westinghouse
Amanda Maguire*	Westinghouse

*participated via telecom