



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

June 30, 2022

LICENSEE: Duke Progress Energy, LLC

FACILITIES: Shearon Harris Nuclear Power Plant, Unit 1

SUBJECT: SUMMARY OF JUNE 6, 2022, MEETING WITH DUKE ENERGY TO DISCUSS SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1 CLOSEOUT OF GENERIC SAFETY ISSUE (GSI)-191

On June 6, 2022, a virtual Observation public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives of Duke Energy Progress, LLC (Duke Energy, the licensee). The purpose of the meeting was to discuss the closeout of Generic Safety Issue (GSI)-191, "The Impact of Debris Induced Lost of ECCS [Emergency Core Cooling System] Recirculation on PWR [Pressurized-Water Reactor] Core Damage Frequency" for the Shearon Harris Nuclear Power Plant, Unit 1 (HNP). The meeting notice and agenda, dated May 24, 2022, are available in the Agencywide Documents Access and Management System (ADAMS) Accession No. ML22144A220. A list of attendees is provided in the Enclosure.

The licensee presented (ML22153A384), and the following items were discussed during the meeting:

- Previous communications – regulatory perspective
 - Previous ECCS strainer testing
 - HNP previous responses to Generic Letter 2004-02, "Potential Impact of Debris Blockage on Emergency Recirculation during Design Basis Accidents at Pressurized Water Reactors"
- Plant overview
- Description of test facility, debris preparation and test procedures
- Description of debris target loading
 - Particulate
 - Chemical
 - Fiber
- Key test and analysis assumptions
 - Test scaling approach
 - Coatings failure assumptions
 - Fiber erosion fraction
 - Surrogate particulate formation
 - Surrogate chemical products
 - Treatment of MICROTERM®
 - Vortex suppression
- Test matrix and schedule

Members of the public were not in attendance.

Please direct any inquiries to me at 301-415-3867, or Michael.Mahoney@nrc.gov.

/RA/

Michael Mahoney, Project Manager
Plant Licensing Branch II-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-250 and 50-251

Enclosure:
List of Attendees

cc: Listserv

LIST OF ATTENDEES

JUNE 6, 2022, PUBLIC MEETING WITH DUKE ENERGY PROGRESS, LLC

GSI-191 CLOSOUT – SHEARON HARRIS

Name	Organization
Michael Mahoney	U.S. Nuclear Regulatory Commission (NRC)
Steve Smith	NRC
Matthew Yoder	NRC
Paul Klein	NRC
Andrea Russell	NRC
Victor Cusumano	NRC
Steve Bloom	NRC
Dennis Earp	Duke Energy
Bradley Morrison	Duke Energy
Mark Grantham	Duke Energy
Ryan Treadway	Duke Energy
Pat Chriscoe	Duke Energy
Wes McGoun	Duke Energy
Chad Kidd	Duke Energy
Michael Flanagan	Sargent & Lundy
Helmut Kopke	Sargent & Lundy
Joshua Anderson	Alden Research Laboratory, Inc
Andrew Roudenko	Serco
Bruce Letellier	Serco
Mark Macali	Serco

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ADAMS Accession Nos.:

Package: ML22167A186

Meeting Notice: ML22137A023

Meeting Summary: ML22167A185

OFFICE	NRR/DORL/LPL2-2/PM	NRR/DORL/LPL2-2/LA	NRR/DORL/LPL2-2/BC	NRR/DORL/LPL2-2/PM
NAME	MMahoney	RButler	DWrona	MMahoney
DATE	06/16/2022	06/23/2022	06/30/2022	06/30/2022

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