



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

November 30, 2015

LICENSEE: Southern Nuclear Operating Company (SNC)
FACILITY: Vogtle Electric Generating Plant, Units 1 and 2 (VEGP)
SUBJECT: SUMMARY OF NOVEMBER 5, 2015, MEETING WITH SNC ON GSI-191
PROGRAM FOR THE VEGP (CAC NOS. MC4727 AND MC4728)

On November 5, 2015, a Category 1 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and SNC representatives at NRC Headquarters, One White Flint North, 11555 Rockville Pike, Rockville, Maryland. The licensee's objectives in the meeting were to provide an overview of their risk-informed approach to addressing Generic Safety Issue (GSI)-191, "Assessment of Debris Accumulation on Pressurize-Water Reactor Sump Performance," and receive any comments, concerns or feedback from NRC staff. The meeting notice and agenda, dated October 20, 2015, is available in the Agencywide Documents Access and Management System (ADAMS) Accession No. ML15308A214. A list of attendees is provided as Enclosure 1. The licensee provided materials to support the meeting and its presentation in advance (ADAMS Accession Nos. ML15293A180 and ML15308A031). The licensee revised the slides for the actual meeting (ADAMS Accession No. ML15320A087).

SNC provided a brief description of VEGP, Units 1 and 2, with emphasis on similarities and differences with South Texas pilot. SNC provided a status update to the resolution schedule presented in the VEGP Proposed Path to Closure of GSI-191 dated May 16, 2013 (ADAMS Accession No. ML13137A130). In that letter, the licensee proposed the use of a risk-informed approach to the resolution of remaining GSI-191 issues. The licensee then provided an overview of their approach followed by more in depth discussions on the various technical aspects of their approach. Discussions included:

- SNC described its proposed modifications to the emergency core cooling system (ECCS) strainers and how this will result in increased submergence margins and submergence of all strainers prior to recirculation in all postulated scenarios. The NRC questioned the adequacy of the current strainer configurations that could result in the strainers not being completely submerged under all conditions. The licensee stated that in the case of the small-break loss-of-coolant accident, there would not be containment spray, which would greatly reduce the material washed to the strainers and, thus, reduce the debris accumulation. In these scenarios, there would still be adequate net positive suction head (NPSH) for the ECCS pumps.
- SNC described the modeling, quantification and probabilistic distributions of the input variables used to calculate the effects of debris. The licensee discussed modeling of scenarios ranging from fixing variables such as refueling water storage tank heights during suites of scenarios to deterministically reducing the number of scenarios and limiting the usage of input variable distributions. The NRC staff discussion focused on

the licensee's need to satisfy requirements while presenting an analysis that could facilitate the staff's review.

- SNC and the NRC staff discussed the assumptions concerning chemical precipitate formation. The NRC staff questioned if the licensee had considered evaluating chemical effects on a total amount of precipitate basis instead of separately evaluating calcium phosphate and aluminum hydroxide type precipitates. SNC and the NRC staff also discussed the assumptions made about precipitate timing and whether the proposed method could be simplified to be more consistent with approaches that the NRC staff has previously accepted.
- Throughout the presentation, SNC highlighted differences between their approach and the South Texas pilot.

No regulatory decisions or commitments were made during the meeting.

Members of the public did not participate. Furthermore, no Public Meeting Feedback forms were received.



Stephen Koenick, Senior Project Manager
Plant Licensing Branch IV-2 and Decommissioning
Transition Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-424 and 50-425

Enclosure: List of Attendees

cc w/encl: Distribution via Listserv

LIST OF ATTENDEES

November 5, 2015 MEETING WITH SNC

Licensee	
Phil Grissom	Southern Nuclear Operating Company (SNC)
Ryan Joyce	SNC
Owen Scott	SNC
Franchelli Febo	SNC
Tim Littleton	SNC
Keith Drudy	SNC
Kip Walker	Enercon Services
Blake Stair	Enercon Services
Tim Sande	Enercon Services
Haifeng Li*	Enercon Services
Patrick Romine*	Enercon Services
Diane Jones	Enercon Services
Austin Glover	Enercon Services
Bob Peterson	Sargent & Lundy
Helmut Kopke	Sargent & Lundy
NRC Staff	
Stephen Koenick	DORL/LPL4-2
Michael Markley	DORL/LPL2-1/BC
Jim Trapp	DORL/DD
Victor Cusumano	DSS/SSIB
Stephen Smith	DSS/SSIB
Lindsay Robinson	DSS/SSIB
John Stang*	DSS/SSIB
Andrea Russell	DSS/SSIB
CJ Fong	DRA/APLA
Steven Laur*	DRA/APLA
Paul Klein	DE/ESGB
Matt Yoder*	DE/ESGB
Marioly Diaz Colon	DE/ESGB
Bob Martin	DORL/LPL2-1
Oswaldo Pensado	Southwest Research Institute
Other	
Craig Sellers	Calver Cliffs
Ron Holloway*	Wolf Creek NOC
Matthew Thomas*	Wolf Creek NOC
David Miskiewicz*	EPM, Inc.
Roger Andreasen*	Ameren Missouri
Ernie Kee	South Texas Project
*participation via phone	

Enclosure

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ADAMS Accession Nos.: Meeting Notice: ML14296A292 Meeting Summary: ML15327A168

OFFICE	DORL/LPLIV-2/PM	DORL/LPLII-1/LA	DORL/LPLII-1/BC	DORL/LPLIV-2/PM
NAME	SKoenick	SFiguroa	MMarkley	SKoenick
DATE	11/23/15	11/23/15	11/30/15	11/30/15

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