



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

October 22, 2018

MEMORANDUM TO: Jennifer Dixon-Herrity, Chief
Licensing Branch 4
Division of Licensing, Siting, and
Environmental Analysis
Office of New Reactors

FROM: Jordan Hoellman, Project Manager */RA/*
Licensing Branch 4
Division of Licensing, Siting, and
Environmental Analysis
Office of New Reactors

SUBJECT: SUMMARY OF A PUBLIC MEETING WITH SOUTHERN NUCLEAR
OPERATING COMPANY ON SEPTEMBER 13, 2018

The U.S. Nuclear Regulatory Commission (NRC) staff held a Category 1 public meeting with Southern Nuclear Operating Company (SNC) on September 13, 2018. The purpose of the meeting was to discuss issues associated with the safety review of licensing actions for SNC's Vogtle Electric Generating Plant (VEGP) Units 3 and 4.

The meeting notice can be found in the Agencywide Documents Access and Management System (ADAMS) under Accession No. ML18229A013. The meeting notice is also posted on the NRC public website. Enclosures 1 and 2 are the meeting agenda and attendance list for the meeting, respectively. The other documents referenced during the discussion can be found at the ADAMS Accession Nos. given below:

- SNC's draft proposed Alternative Section for Request for Alternative ALT-06 – ML18254A248
- Draft License Amendment Request (LAR) 18-023, Protection and Safety Monitoring System (PMS) Watchdog Timer and Common Q Design Description Changes (PUBLIC) – ML18254A249
- Pre-submittal Presentation for LAR 18-023 – ML18254A253
- Revised draft Uncompleted Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Notification (UIN) for ITAAC 2.3.04.02.ii [Index No. 328] – ML18256A293

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Summary of Meeting:

On September 13, 2018, staff from the NRC conducted a public meeting with representatives from SNC to discuss issues associated with the safety review of licensing actions for SNC's VEGP Units 3 and 4. Specifically, the meeting discussed (1) pre-submittal information regarding ALT-06, (2) pre-submittal information regarding LAR 18-023, and (3) SNC's revised UIN for ITAAC Index No. 328.

The first topic discussed was pre-submittal information regarding ALT-06. The staff noted that there have been multiple pre-submittal interactions with SNC on this topic and thanked SNC for their efforts in developing this alternative request. SNC discussed the draft proposed alternative section of ALT-06, noting that the alternative proposes to eliminate the volumetric examination requirement for the austenitic stainless steel valve material on pipe-to-valve welds. SNC discussed that AP1000 design features implemented on the VEGP Units 3 and 4 valve-to-pipe welds has a smooth transition from the valve to pipe, which improves inspectability by providing better access to the far side of the weld volume. With these design features, it was possible to qualify a VEGP Units 3 and 4 specific ultrasonic examination procedure, which is based on the requirements of the latest version of PDI-UT-2. SNC discussed that 25 mock-ups were developed using the valve-to-pipe configurations at VEGP Units 3 and 4 to support development of the new VEGP Units 3 and 4 specific ultrasonic examination procedure. The staff noted that they understood SNC's request and provided comments on the draft alternative section. The staff commented that, to improve clarity, the request should include a paragraph that details the differences between the VEGP Units 3 and 4 specific procedure and PDI-UT-2. SNC stated that they understood the staff's comments and noted that they plan to submit ALT-06 by the end of September 2018.

The second topic discussed was pre-submittal information regarding LAR 18-023. SNC provided an overview of the LAR and walked through the pre-submittal presentation, noting that the changes proposed in LAR 18-023 are needed to allow installation of cabinets and panels in the PMS that are impacted by the proposed changes. LAR 18-023 proposes to revise the Updated Final Safety Analysis Report (UFSAR) to accurately describe the design and use of the watchdog timers (WDTs) in the processor module of the Common Q platform portion of the PMS. SNC noted that the safety function and operability of the processor module is not adversely impacted by the proposed changes. SNC discussed that NSAL 17-2, "AC160 Processor Module Stall Timers Not Activated as Described in Licensing Basis," identifies that the software stall timer within the AC160 software is not enabled as per WCAP-16097-P-A, Rev. 3, Common Q Topical Report (TR), and a cycle time in the Common Q TR does not meet the as-built system. An extent of condition identified additional changes to WCAP-16097, and the changes were discussed with the NRC in 2017. SNC discussed that LAR 18-023 also proposes changes to the design description of the Common Q platform identified in the extent of condition review for NSAL 17-2 and that Westinghouse Electric Company (Westinghouse) plans to submit generic changes to the Common Q TR at a later date. The staff expressed concerns with SNC proceeding to make site-specific generic changes to the Common Q TR independently. The staff noted that in the 2017 discussion, Westinghouse presented that the generic changes to the Common Q TR would be requested by Westinghouse and then licensees would request that the approved TR would be incorporated into their licensing bases. Although previous technical exchange meetings had occurred in 2017 between the staff, SNC, and Westinghouse, concerning the exact functionality and description of the WDTs, the understanding of how the staff's concerns were addressed was not evident in the documentation provided for the pre-submittal meeting. The staff explained that the language and diagram describing and depicting the overall WDT function were ambiguous. The staff also

expressed concerns that information describing each of the WDT sub-functions within the overall WDT function may lead to a prolonged evaluation period as well as requests for additional information by the staff to ensure the staff understands the design details of each WDT function prior to making a safety determination. As a result, the timeline proposed by SNC for the submittal and potential approval of the LAR may be impacted. SNC stated that they understood the staff's concerns and noted that the request and timing of the request is tied to the construction activity associated with the proposed changes. The staff acknowledged SNC's construction-related concerns.

The third topic discussed was SNC's revised UIN for ITAAC Index No. 328. The staff noted that SNC's revised UIN addresses the staff's concerns. SNC stated that they plan to formally submit the UIN for staff review.

At the end of each topic discussed, there was an opportunity for the public to provide comments and ask questions. There were no questions or comments from members of the public.

In the closed portion of the LAR 18-023 pre-submittal discussion, the proprietary details of SNC's request were discussed.

Docket Nos.: 052-025
052-026

Enclosure:
As stated

cc w/encls: See next page

SUMMARY OF A PUBLIC MEETING WITH SOUTHERN NUCLEAR OPERATING COMPANY
ON SEPTEMBER 13, 2018 DATED: OCTOBER 22, 2018

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ADAMS Accession No.: ML18282A092

*via e-mail

NRC-001

OFFICE	PM: DLSE/LB4	LA: DLSE/LB4	BC: DLSE/LB4	PM: DLSE/LB4
NAME	JHoellman (c)	RButler (c)	JDixon-Herrity (c)	JHoellman (s)
DATE	10/22/18	10/18/18	10/22/18	10/22/18

OFFICIAL RECORD COPY

**AGENDA FOR PUBLIC MEETING
U.S. NUCLEAR REGULATORY COMMISSION (NRC)
Thursday, September 13, 2018
9:00 a.m. – 11:00 a.m.**

PURPOSE: To discuss issues associated with the safety review of licensing actions for Southern Nuclear Operating Company's (SNC) Vogtle Electric Generating Plant (VEGP) Units 3 and 4.

OPEN

<u>Time</u>	<u>Topic</u>	<u>Led By</u>
9:00 a.m.	Opening Remarks	NRC
9:05 a.m.	Discussion of pre-submittal information regarding Request for Alternative ALT-06	NRC/SNC
9:40 a.m.	Opportunity for Public Comment	PUBLIC/NRC
9:40 a.m.	Discussion of pre-submittal information regarding License Amendment Request (LAR) 18-023	NRC/SNC/Westinghouse
10:00 a.m.	Opportunity for Public Comment	PUBLIC/NRC

CLOSED

10:00 a.m.	Discussion of proprietary details related to pre-submittal information regarding License Amendment Request (LAR) 18-023	NRC/SNC/Westinghouse
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OPEN

10:40 a.m.	Discussion of SNC's Revised Uncompleted Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Notification (UIN) for ITAAC Index No. 328	NRC/SNC
11:00 a.m.	Opportunity for Public Comment	PUBLIC/NRC
11:00 a.m.	Adjourn	

PUBLIC MEETING
U.S. NUCLEAR REGULATORY COMMISSION
Thursday, September 13, 2018
9:00 a.m. – 11:00 a.m.

List of Attendees

Name	Organization
Representing the Nuclear Regulatory Commission	
Jordan Hoellman	NRO/DLSE/LB4
John Honcharik *	NRO/DEI/MCB
Matt Mitchell	NRO/DEI/MCB
Richard Stattel	NRR/DE/EICB
Bill Roggenbrodt	NRO/DEI/ICE
Jack Zhao	NRO/DEI/ICE
Jim Gaslevic	NRO/DCIP/HOIB
Chris Welch *	NRO/DCIP/HOIB
Tim Lupold	NRO/DEI/MEB
Tuan Le *	NRO/DEI/MEB
Representing Industry	
Neil Haggerty	Southern Nuclear Operating Company (SNC)
Corey Thomas *	SNC
Stephanie Agee *	SNC
Wes Sparkman *	SNC
Tom Petrak *	SNC
Bob Hirmanpour *	SNC
Amy Chamberlain *	SNC
Amy Aughtman *	SNC
Mark Humphry *	SNC
Calviin Marrow *	SNC
Greg Wilson *	SNC
Rick Paese	Westinghouse Electric Company (Westinghouse)
Warren Oddess-Gillette *	Westinghouse
Chris Phillips *	Westinghouse
Representing Public	
Steve Franzone *	Florida Power & Light (FPL)

* = participated via teleconference

Enclosure 2

Vogtle Units 3 & 4 Mailing List
cc:

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(Revised 08/16/2018)

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