

July 31, 2018

Docket Nos.: 50-348
50-364

NL-18-1029

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555-0001

Joseph M. Farley Nuclear Plant
Completion of Required Action by NRC Order EA-12-051
Reliable Spent Fuel Pool Level Instrumentation – Correction of Submitted Information

References:

1. Letter from NRC (Robert E. Martin) to Southern Nuclear (C. R. Pierce), "Interim Staff Evaluation and Request for Additional Information - Farley Nuclear Plant, Units 1 and 2 (FNP) Regarding Overall Integrated Plan (OIP) for Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051) (TAC Nos. MF1429 and MF1430)," October 30, 2013 (ML13294A496).
2. Letter from Southern Nuclear (C. R. Pierce) to NRC Document Control Desk, "Joseph M. Farley Nuclear Plant Completion of Required Action by NRC Order EA-12-051 Reliable Spent Fuel Pool Level Instrumentation," January 14, 2015 (ML15014A422).
3. Letter from Southern Nuclear (C. R. Pierce) to NRC Document Control Desk, "Joseph M. Farley Nuclear Plant Unit 1 Completion of Required Action by NRC Order EA-12-051 Reliable Spent Fuel Pool Level Instrumentation," June 26, 2015 (ML15182A175).

Ladies and Gentlemen:

On March 12, 2012, the Nuclear Regulatory Commission (NRC) issued Order EA-12-051, *Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation*, to Southern Nuclear Operating Company (SNC). This Order was effective immediately and directed the Farley Nuclear Plant (FNP) Units 1 and 2 to install reliable spent fuel pool instrumentation as outlined in Attachment 2 of the Order.

In addressing that order and responding to Reference 1, SNC submitted References 2 and 3, which, in part, restated SNC's response to Request for Additional Information (RAI) 11. During the NRC's June 2018 FLEX Implementation Inspection at FNP, the NRC identified that SNC had incorrectly listed the power supply panels for Unit 2 in References 2 and 3 (i.e., the completion letters). The enclosure to this letter provides the corrected completion letter information for RAI 11, and effects and extent of the error.

This letter contains no new NRC commitments. If you have any questions, please contact Jamie Coleman at (205) 992-6611.

I declare under penalty of perjury that the foregoing is true and correct. Executed on this 30 day of July 2018.

Respectfully submitted,



Cheryl A. Gayheart
Regulatory Affairs Director

CAG/TLE

Enclosure: Corrected Response to RAI 11, and Effects and Extent of Error

cc: Regional Administrator, Region II
Senior Resident Inspector – Farley
NRR Project Manager – Farley
State Health Officer, Alabama Department of Public Health
RType: CFA04.054

Joseph M. Farley Nuclear Plant
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Reliable Spent Fuel Pool Level Instrumentation –
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Enclosure

Corrected Response to RAI 11, and Effects and Extent of Error

NRC RAI 11 (from Reference E.1):

Please provide the NRC staff with the final configuration of the power supply source for each channel so that the staff may conclude that the two channels are independent from a power supply assignment perspective.

SNC Corrected Response to RAI 11:

At Farley, the power supplies for spent fuel pool level instrumentation are assigned as follows:

Channel	Panel
U1 and U2 Primary	N2R19L0596
U1 and U2 Backup	N1R19L0582

Effects and Extent of Error:

The original response to RAI 11 provided in Reference E.2 (as posted in SNC's ePortal per practice allowed by Reference E.3) was correct. However, the response was restated incorrectly in References E.4 and E.5. No physical modifications or other changes are required for either unit. No other required revisions to References E.2, E.4, and E.5 have been identified. Importantly, the conclusion in Section 4.2.6 of Reference E.6 that the primary and secondary spent fuel pool level instrumentation for each unit are powered from separate electrical buses is unaffected.

References:

- E.1 Letter from NRC (Robert E. Martin) to Southern Nuclear (C. R. Pierce), "Interim Staff Evaluation and Request for Additional Information - Farley Nuclear Plant, Units 1 and 2 (FNP) Regarding Overall Integrated Plan (OIP) for Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051) (TAC Nos. MF1429 and MF1430)," October 30, 2013 (ML13294A496).
- E.2 Document in ePortal, "SFP RAI Supplemental Responses Farley," posted on June 29, 2014.
- E.3 Letter from NRC (Jack R. Davis) to All Operating Reactor Licensees and Holders of Construction Permits on the Enclosed List, "Nuclear Regulatory Commission Audits of Licensee Responses to Reliable Spent Fuel Pool Instrumentation Order EA-12-051," March 26, 2014 (ML14083A620).

Enclosure to NL-18-1029

Joseph M. Farley Nuclear Plant, Completion of Required Action by NRC Order EA-12-051
Corrected Response to RAI 11, and Effects and Extent of Error

- E.4 Letter from Southern Nuclear (C. R. Pierce) to NRC Document Control Desk,
“Joseph M. Farley Nuclear Plant Completion of Required Action by NRC Order EA-12-051
Reliable Spent Fuel Pool Level Instrumentation,”
January 14, 2015 (ML15014A422).
- E.5 Letter from Southern Nuclear (C. R. Pierce) to NRC Document Control Desk,
“Joseph M. Farley Nuclear Plant Unit 1 Completion of Required Action by NRC Order
EA-12-051 Reliable Spent Fuel Pool Level Instrumentation,” June 26, 2015
(ML15182A175).
- E.6 Letter from NRC (John P. Boska) to Southern Nuclear (James J. Hutto), “Joseph M. Farley
Nuclear Plant, Units 1 and 2 – Safety Evaluation Regarding Implementation of Mitigating
Strategies and Reliable Spent Fuel Pool Instrumentation related to Orders EA-12-049 and
EA-12-051 (CAC Nos. MF0716, MF0717, MF1429, and MF1430),” April 24, 2017
(ML17090A457).