

Am



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

June 25, 2015

Mr. C. R. Pierce
Regulatory Affairs Director
Southern Nuclear Operating Co., Inc.
P.O. Box 1295, Bin 038
Birmingham, AL 35201-1295

SUBJECT: JOSEPH M. FARLEY NUCLEAR PLANT, UNITS 1 AND 2 – TRANSMITTAL OF
U.S. ARMY CORPS OF ENGINEERS FLOOD HAZARD REEVALUATION
INFORMATION (TAC NOS. MF3037 AND MF3038)

Dear Mr. Pierce:

The purpose of this letter is to transmit the U.S. Army Corps of Engineers (USACE) portion of the Joseph M. Farley Nuclear Plant, Units 1 and 2 (Farley) flood hazard reevaluation (FHR) associated with the assessment of flood hazards due to flooding in streams and rivers, including potential site flooding due to dam failure. By letter dated September 26, 2013 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML13274A343), Southern Nuclear Operating Company, Inc. (SNC, the licensee) requested assistance from the U.S. Nuclear Regulatory Commission (NRC) in obtaining information from the USACE to support SNC's development of a report documenting the FHR in response to the March 12, 2012, request for information (ADAMS Accession No. ML12073A348). The NRC staff held meetings to discuss the details of the information being provided by USACE with SNC and the USACE on the following dates:

- April 29, 2014 (summary at ADAMS Accession No. ML14133A039)
- March 4, 2015 (summary at ADAMS Accession No. ML15092A114)

These meetings were closed to the public due to the discussion of security-related information. The licensee supplemented its September 26, 2013 letter, requesting details from the USACE by letters dated May 6, 2014 (ADAMS Accession No. ML14127A178), and March 13, 2015 (ADAMS Accession No. ML15084A588) as a result of the discussions at these meetings.

By letter dated February 28, 2014 (ADAMS Accession No. ML14072A486), SNC requested permission to submit its report documenting the FHR 120 days after receipt of the information from the USACE. The NRC staff held a public meeting on May 16, 2014 to discuss the extension (summary can be found at ADAMS Accession No. ML14134A031). By letter dated May 21, 2014 (ADAMS Accession No. ML14141A629), SNC provided a supplement to this request that addressed site-specific information requested by the NRC staff. Following receipt of this supplement, by letter dated July 17, 2014 (ADAMS Accession No. ML14174A938), the NRC staff approved SNC's request to submit the report documenting the FHR at the Farley site 120 days after receipt of the USACE information.

Enclosures 1, 2, and 3 to this letter contain Security-Related Information. When separated from the enclosures, this letter is DECONTROLLED.

C. Pierce

- 2 -

In addition, the July 17, 2014, letter states that if the USACE results show that the design-basis flood levels at the Farley site are exceeded by the flood levels resulting from the FHR, SNC must submit its planned interim actions to address the higher flood level to the NRC within 60 days of receipt of the USACE information.

The enclosures to this letter contain the following: (1) a brief description of the enclosed files; (2) summary tables of the results; and (3) the results of the USACE FHR developed in accordance with Japan Lessons-Learned Directorate (JLD) interim staff guidance (ISG) JLD-ISG-2013-01, "Interim Staff Guidance For Assessment of Flooding Hazards Due to Dam Failure," Revision 0, dated July 29, 2013 (ADAMS Accession No. ML13151A153). Enclosure 2 contains the relevant USACE results at Farley, which SNC needs to consider as part of their flood hazard evaluation report. The USACE results are based on the guidance JLD-ISG-2013-01 and on the USACE knowledge of the river system. Enclosure 3 is a DVD containing the results at the river mile locations SNC requested as documented in the September 26, 2013, letter and supplemented by the May 6, 2014, and March 13, 2015, letters. The USACE results contained in Enclosure 2 are a subset of the information contained in Enclosure 3.

If you have any questions, please contact me at (301) 415-6185 or by e-mail at Anthony.Minarik@nrc.gov or Juan Uribe at (301) 415-3809 or by e-mail at Juan.Uribe@nrc.gov.

Sincerely,



Anthony J. Minarik, Project Manager
Hazards Management Branch
Japan Lessons-Learned Division
Office of Nuclear Reactor Regulation

Docket Nos. 50-348 and 50-364

Enclosures:

1. Brief Description of Transmitted Documents
2. USACE FHR plots
3. DVD containing USACE
FHR spreadsheets

cc w/o encls: Distribution via Listserv

C. Pierce

- 2 -

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Sincerely,

/RA/

Anthony J. Minarik, Project Manager
Hazards Management Branch
Japan Lessons-Learned Division
Office of Nuclear Reactor Regulation

Docket Nos. 50-348 and 50-364

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ADAMS Accession Nos.: Pkg: ML15168A755; Redacted Letter: ML15176B199; OUO-SRI Letter: ML15168A803;
Enclosure 1: ML15176A237; Enclosure 2: ML15176A536, ML15176A545, ML15176A549

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