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OCAN051704

May 31, 2017

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
11555 Rockville Pike  
Rockville, MD 20852

SUBJECT: Focused Evaluation for External Flooding  
Arkansas Nuclear One – Units 1 and 2  
Docket Nos. 50-313 and 50-368  
License Nos. DPR-51 and NPF-6

Dear Sir or Madam:

On March 12, 2012, the NRC issued Reference 1 to request information associated with Near-Term Task Force (NTTF) Recommendation 2.1 for flooding. One of the required responses in Reference 1 directed licensees to submit a Flood Hazard Reevaluation Report (FHRR). Entergy Operations, Inc. submitted the FHRR for Arkansas Nuclear One (ANO) on September 14, 2016 (Reference 2).

A second required response of Reference 1 directed licensees to submit an Integrated Assessment Report for any flood causing mechanism not bounded by the current design basis. In Reference 3, the NRC affirmed that licensees need to address the reevaluated flooding hazards not bounded by the current design basis by a revised integrated assessment process that applies a graded approach. This requirement was confirmed by the NRC in more detail in Reference 4. Guidance for performing the revised process is included in Reference 5 and endorsed by the NRC in Reference 6. The revised process applicable to ANO is the Focused Evaluation (FE). In Reference 7, the NRC concluded that the reevaluated flood hazards information, as summarized in the enclosure, is suitable input for the FE.

The enclosure to this letter provides the FE for External Flooding for ANO. The Path 2 FE concluded that permanent passive protection is in place for the applicable flood causing mechanism local intense precipitation (LIP). This submittal of the FE completes the actions related to external flooding required by Reference 1.

Should you have any questions concerning the content of this letter, please contact Stephenie Pyle at 479.858.4704.

A010  
NR2

I declare under penalty of perjury that the foregoing is true and correct.  
Executed on May 31, 2017.

Sincerely,



RLA/nbm

Enclosure: 2017 Focused Evaluation for External Flooding at Arkansas Nuclear One

REFERENCES:

1. NRC letter, *Request for Information Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding Recommendations 2.1, 2.3, and 9.3 of the NTTF Review of Insights from the Fukushima Dai-ichi Accident*, dated March 12, 2012 (OCNA031208) (ML12053A340)
2. Entergy letter to NRC, *Flooding Hazard Re-evaluation Report - Required Response for NTTF Recommendation 2.1, Arkansas Nuclear One Units 1 and 2 Flooding Hazard Re-Evaluation Report*, dated September 14, 2016 (OCAN091602) (ML16260A060)
3. NRC Memorandum, *Staff Requirements – COMSECY-15-0019, – Closure Plan for the Reevaluation of Flooding Hazards for Operating Nuclear Power Plants*, dated July 28, 2015 (ML15209A682)
4. NRC Letter, *Coordination of Requests for Information Regarding Flooding Hazard Reevaluations and Mitigating Strategies for Beyond-Design-Basis External Events*, dated September 1, 2015 (OCNA091501) (ML15174A257)
5. Nuclear Energy Institute (NEI) Report NEI 16-05 [Rev 1], *External Flooding Assessment Guidelines*, dated June 2016 (ML16165A178)
6. U.S. Nuclear Regulatory Commission, JLD-ISG-2016-01, Revision 0, *Guidance for Activities Related to NTTF Recommendation 2.1, Flooding Hazard Reevaluation; Focused Evaluation and Integrated Assessment*, dated June 11, 2016 (ML16162A301)
7. NRC Letter to Entergy, *Arkansas Nuclear One, Units 1 and 2 -Interim Staff Response to Reevaluated Flood Hazards Submitted in Response to 10 CFR 50.54(f) Information Request - Flood-Causing Mechanism Reevaluation (CAC Nos. MF8379 and MF8380)*, dated December 2, 2016 (OCNA121601) (ML16327A494)

cc: Mr. Kriss Kennedy  
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**Enclosure to**

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**2017 Focused Evaluation for External Flooding at Arkansas Nuclear One**