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OCAN091602

September 14, 2016

U.S. Nuclear Regulatory Commission
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SUBJECT: Flooding Hazard Re-evaluation Report – Required Response for Near-Term Task Force (NTTF) Recommendation 2.1
Arkansas Nuclear One – Units 1 and 2
Docket Nos. 50-313 and 50-368
License Nos. DPR-51 and NPF-6

- REFERENCES:**
1. NRC letter to Entergy, *RFI 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, *Required Response 2 to March 12, 2012, Request for Information, Enclosure 2, Recommendation 2.1, Flood Hazard Evaluation Report Arkansas Nuclear One – Units 1 and 2*, dated March 12, 2014 (OCAN031401) (ML14071A459)
 3. NRC letter to Entergy, *Transmittal of Updated U.S. Army Corps of Engineers Flood Hazard Reevaluation (CAC Nos. MF3041 and MF3042)*, dated March 21, 2016 (OCNA031607) (ML16071A452)
 4. NRC letter to Entergy, *Transmittal of Updated U.S. Army Corps of Engineers Flood Hazard Reevaluation Information (CAC Nos. MF3041 and MF3042)*, dated May 27, 2016 (OCNA051607) (ML16147A389)

Dear Sir or Madam:

On March 12, 2012, the NRC issued Reference 1 requesting information associated with NTTF Recommendation 2.1 for flooding. By Reference 2 Entergy Operations, Inc. (Entergy) committed to submit the flood hazard evaluation six months after receipt of information from the United States Army Corps of Engineers (USACE). References 3 and 4 required Entergy to consider the USACE results and submit the flood hazard re-evaluation report by September 17, 2016. The USACE performed the Probable Maximum Flood and Dam Failure analyses for the Arkansas River using USACE precipitation, hydrologic, and hydraulic models. These model's results were used to perform Arkansas Nuclear One's flood hazard evaluation.

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The enclosed Arkansas Nuclear One Units 1 and 2 Flooding Hazard Re-evaluation Report addresses the following flood causing mechanisms: local intense precipitation, flooding in streams/rivers, dam breaches/failures, storm surge, seiche, tsunami, ice-induced flooding, channel migration or diversion, and combined effect flood. The report indicates that the hazards created by these mechanisms are screened out or are bounded by the current design basis with the exception of the local intense precipitation mechanism; however, interim actions are not required since the local intense precipitation does not challenge structures, systems, and components important to safety.

This letter contains no new regulatory commitments. Should you have any questions concerning the content of this letter, please contact Stephenie Pyle at 479.858.4704.

I declare under penalty of perjury that the foregoing is true and correct. Executed on September 14, 2016.

Sincerely,



RLA/nbm

Enclosure: Arkansas Nuclear One Units 1 and 2 Flooding Hazard Re-evaluation Report

cc: Mr. Kriss Kennedy
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