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Site Vice President
Arkansas Nuclear One

OCAN031401

March 12, 2014

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

SUBJECT: Required Response 2 to March 12, 2012, Request for Information (RFI),
Enclosure 2, Recommendation 2.1, Flood Hazard Evaluation Report
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 Near-Term Task Force (NTTF) Review of Insights from the Fukushima Dai-ichi Accident*, dated March 12, 2012 (OCNA031208) (ML12053A340)
 2. Entergy letter to NRC, *Entergy's Response to NRC RFI Pursuant to 10 CFR 50.54(f) Regarding the Flooding Aspects of Recommendations 2.1 and 2.3 of the NTTF Review of Insights from the Fukushima Dai-ichi Accident*, dated June 8, 2012 (OCAN061202)
 3. Entergy letter to NRC, *Assistance in Obtaining Information on Dams*, dated September 30, 2013 (OCAN091302)
 4. NRC letter to Entergy, *Supplemental Information Related to RFI Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding Flooding Hazard Reevaluations for Recommendation 2.1 of the NTTF Review of Insights from the Fukushima Dai-ichi Accident*, dated March 1, 2013 (OCAN031302) (ML13044A561)

Dear Sir or Madam:

On March 12, 2012, the NRC issued Reference 1 requesting information pursuant to Title 10 of the Code of Federal Regulations 50.54(f). Enclosure 2 of that letter contains specific requested Information associated with NTTF Recommendation 2.1 for flooding. By Reference 2 Entergy Operations, Inc. (Entergy) committed to submit the flood hazard evaluation for Arkansas Nuclear One (ANO), Units 1 and 2 as a Category 2 site by March 12, 2014.

In September 2013 (Reference 3), Entergy requested the assistance of the NRC to obtain information from three Districts of the United States Army Corps of Engineers (USACE) to support the flood hazard reevaluation at ANO. Pursuant to the guidance in Reference 4, Entergy is revising its commitment for submittal of the flood hazard reevaluation report to six months after USACE data is received.

Reason for the Delay:

The NRC recently notified Entergy that the kickoff meeting with the USACE and the NRC is expected to be scheduled in the near future. Receipt of the USACE information is not expected for several months subsequent to the meeting.

Proposed Schedule:

Subsequent to receipt of the USACE information, six months are necessary to:

- Complete the Dam Failure calculation.
- Use Dam Failure calculation as input to complete the Combined Effects calculation.
- Perform anticipated stepwise model refinements (consistent with the hierarchical hazard assessment approach) to the Probable Maximum Precipitation, Arkansas River Probable Maximum Flood (PMF) flow, and Arkansas River PMF elevation calculations.
- Perform iterations to the Dam Failure and Combined Effects calculations.
- Complete flood hazard reevaluation report for submittal.

Basis for Acceptability:

- Preliminary results to date based on publicly available information including the USACE districts and National Inventory of Dams indicate the flood hazard is expected be bounded by the current design basis flood level.
- The NRC has previously determined in their March 2012, 50.54(f) letter that the current regulatory approach and the resultant plant capabilities provide confidence that an accident with consequences similar to the Fukushima accident is unlikely to occur in the United States. The NRC letter concluded that continued plant operation and the continuation of licensing activities do not pose an imminent risk to public health and safety.
- The events being analyzed in the flooding hazard reevaluation are beyond the plant's design basis (and licensing basis). The reevaluation results do not constitute an operability concern.
- The reevaluated flooding hazard is a very low probability event. The timeframe of the submittal delay is short relative to the probability of occurrence of the flood event being evaluated.

This letter contains a revised regulatory commitment which is identified in the attachment. 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 March 12, 2014.

Sincerely,

Original signed by Jeremy G. Browning

JGB/nbm

Attachment: List of Regulatory Commitments

cc: Mr. Marc L. Dapas
Regional Administrator
U. S. Nuclear Regulatory Commission, Region IV
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Arlington, TX 76011-4511

NRC Senior Resident Inspector
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U. S. Nuclear Regulatory Commission
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U. S. Nuclear Regulatory Commission
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**Attachment to
OCAN031401**

List of Regulatory Commitments

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The following table identifies those actions committed to by Entergy Operations, Inc. in this document. Any other statements in this submittal are provided for information purposes and are not considered to be regulatory commitments.

COMMITMENT	TYPE (Check One)		SCHEDULED COMPLETION DATE (If Required)
	ONE- TIME ACTION	CONTINUING COMPLIANCE	
Submit Flood Hazard Evaluation Report to the NRC.	X		Six months after receipt of information from the United States Army Corps of Engineers