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Eric W. Olson
Site Vice President

RBG-47477

June 17, 2014

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555

Subject: Response to Request for Additional Information on River Bend Station Recommendation 2.1 Flood Hazard Re-evaluation
River Bend Station - Unit 1
Docket No. 50-458
License No. NPF-47

Reference: 1. Entergy Letter RBG-47447, Response to Request for Information Regarding Recommendation 2.1 of the Near-Term Task Force Review of Insights from the Fukushima Dai-ichi Accident, dated March 12, 2014
2. River Bend Station Recommendation 2.1 Flood Hazard Re-evaluation Request for Additional Information, email dated June 2, 2014 (Alan Wang to Donald Bentley)

Dear Sir or Madam:

In Reference (1), Entergy Operations, Inc. (Entergy) submitted a response to the Near Term Task Force Recommendation 2.1: Flooding Hazard Re-evaluation Report in response to the Nuclear Regulatory Commission's request for information pursuant to Title 10 of the *Code of Federal Regulations* 50.54(f). In reviewing the Flooding Hazard Re-evaluation Report, NRC determined that additional information was required to complete the review (Reference 2). The enclosure to this letter provides a response to this request.

There are no new commitments contained in this submittal. If you have any questions, please contact Mr. Joseph Clark at 225-381-4177.

I declare under penalty of perjury that the foregoing is true and correct. Executed on June 17, 2014.

Respectfully,

EWO/dhw

Enclosure: One CD/DVD with requested information

AOIO
NRR



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cc: U.S. Nuclear Regulatory Commission (w/o enclosure)
Region IV
1600 East Lamar Blvd.
Arlington, TX 76011-4511

NRC Resident Inspector (w/o enclosure)
R-SB-14

Central Records Clerk (w/o enclosure)
Public Utility Commission of Texas
1701 N. Congress Ave.
Austin, TX 78711-3326

Department of Environmental Quality (w/o enclosure)
Office of Environmental Compliance
Radiological Emergency Planning and Response Section
ATTN: JiYoung Wiley
P.O. Box 4312
Baton Rouge, LA 70821-4312

Mr. Alan Wang, Project Manager (w/o enclosure)
U.S. Nuclear Regulatory Commission
MS 0-8B1
11555 Rockville Pike
Rockville, MD 20852-2738

Mr. Rob Kuntz (w/ enclosure)
U.S. Nuclear Regulatory Commission
MS O11-F01
11555 Rockville Pike
Rockville, MD 20852-2738

Enclosure:

One (1) CD/DVD containing the following files:

- FLO-2D model used for the LIP analysis
- Digital terrain model (DTM) input into FLO-2D
- HEC-HMS for surface flow modeling and the Probable Maximum Flood, including calibration simulations
- HEC-RAS used for the Probable Maximum Flood and river elevations, including calibration simulations
- CEDAS-ACES used for wind wave effects and wave run-up modeling