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10 CFR 21.21(a)(2)

1CAN012101

January 18, 2021

ATTN: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Subject: Interim Report Concerning an Evaluation of Deviation

Arkansas Nuclear One, Unit 1  
NRC Docket No. 50-313  
Renewed Facility Operating License No. DPR-51

This is to notify the US Nuclear Regulatory Commission (NRC) that, in accordance with the provisions of 10 CFR 21.21(a)(2), Entergy Operations, Inc. (Entergy) is unable to complete a 10 CFR 21 evaluation within the 60-day regulatory required timeline based on the time needed to perform additional reviews. Preliminary analysis has determined that the Arkansas Nuclear One, Unit 1 (ANO-1) dose analyses for the Steam Generator Tube Rupture (SGTR) design basis analysis is non-conservative. Based on this determination, Entergy initiated a 10 CFR 21 evaluation on November 19, 2020, to determine whether a defect exists associated with the dose analyses for the ANO-1 SGTR event.

The reviews of the appropriate models are expected to be complete by March 15, 2021. In the interim, compensatory measures have been implemented to ensure that calculated doses would comply with the limits in 10 CFR 50.67(b)(2).

This letter contains no new regulatory commitments.

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If there are any questions or if additional information is needed, please contact Riley Keele, Manager, Regulatory Assurance, at (479) 858-7826.

Respectfully,

**ORIGINAL SIGNED BY JOHN C. DINELLI**

John Dinelli

JCD/rwc

cc: NRC Region IV Regional Administrator  
NRC Senior Resident Inspector – Arkansas Nuclear One  
NRC Project Manager – Arkansas Nuclear One  
Designated Arkansas State Official