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OCAN012402

10 CFR 50.54(q)  
10 CFR 50, App. E  
10 CFR 72.44(f)

January 17, 2024

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

Subject: Arkansas Nuclear One (ANO) Emergency Plan Revision 50  
  
Arkansas Nuclear One – Units 1 and 2  
NRC Docket Nos. 50-313, 50-368 and 72-13  
Renewed Facility Operating License Nos. DPR-51 and NPF-6

In accordance with 10 CFR 50.4(b)(5), 10 CFR 50.54(q)(5), 10 CFR 72.4, and 10 CFR 72.44(f), the Arkansas Nuclear One (ANO) Emergency Plan (EPlan) has been revised and is included in Enclosures 2, of this letter. A summary of the changes to the EPlan is included in Enclosure 1.

This revision of the ANO EPlan aligns the current titles for several departments and the wording of eight-year plan to eight-year period.

In accordance with 10 CFR 50.54(q), a screening and/or evaluation of the changes to the EPlan was performed. The screening and/or evaluation concluded that the changes could not potentially affect the capability of the Emergency Response Organization (ERO) to respond to an emergency or potentially reduce ANO's ability to protect the health and safety of the public which results in a reduction in effectiveness of the ANO EPlan. As a result, Entergy concluded that NRC review and approval was not needed pursuant to 10 CFR 50.54(q).

Revision 50 of the EPlan was implemented at the site on December 18, 2023.

The screening and/or evaluation concluded that with implementation of the EPlan, Revision 50, the changes do not reduce the effectiveness of the EPlan, and the EPlan continues to meet the standards of 10 CFR 50.47(b) and 10 CFR 50, Appendix E.

There are no new commitments contained in this submittal.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Brian Adkison", followed by a long horizontal line extending to the right.

*Brian Adkison "Acting" Regulatory Assurance Manager for Riley D. Keele, Jr.*

RDK/ble

**Enclosures:**

1. Summary of Changes to the ANO Emergency Plan, Revision 50
2. Arkansas Nuclear One Emergency Plan, Revision 50

cc: NRC Region IV Regional Administrator  
NRC Senior Resident Inspector – Arkansas Nuclear One  
NRC Project Manager – Arkansas Nuclear One  
NRC Director, Division of Fuel Management  
NRC Region IV Senior Emergency Preparedness Inspector  
Designated Arkansas State Official