



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

November 29, 2016

Vice President, Operations
Arkansas Nuclear One
Entergy Operations, Inc.
1448 S.R. 333
Russellville, AR 72802

SUBJECT: ARKANSAS NUCLEAR ONE, UNIT 2 – SUPPLEMENTAL INFORMATION
NEEDED FOR ACCEPTANCE OF REQUESTED LICENSING ACTION
RE: AMENDMENT REQUEST TO REVISE NATIONAL FIRE PROTECTION
ASSOCIATION STANDARD 805 MODIFICATIONS (CAC NO. MF8691)

Dear Sir or Madam:

By letter dated October 27, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16302A227), Entergy Operations, Inc. (Entergy) submitted a license amendment request for Arkansas Nuclear One, Unit 2 (ANO-2). The proposed amendment would revise the National Fire Protection Association Standard 805 (NFPA 805), "Performance-Based Standard for Fire Protection for Light Water Reactor Electric Generating Plants" (2001 Edition), Modifications for ANO-2, previously approved by the U.S. Nuclear Regulatory Commission (NRC) in a letter dated February 18, 2015 (ADAMS Accession No. ML14356A227). The purpose of this letter is to provide the results of the NRC staff's acceptance review of this amendment request. The acceptance review was performed to determine if there is sufficient technical information in scope and depth to allow the NRC staff to complete its detailed technical review. The acceptance review is also intended to identify whether the application has any readily apparent information insufficiencies in its characterization of the regulatory requirements or the licensing basis of the plant.

Consistent with Section 50.90 of Title 10 of the *Code of Federal Regulations* (10 CFR), an amendment to the license (including the technical specifications) must fully describe the changes requested, and following as far as applicable, the form prescribed for original applications. Section 50.34 of 10 CFR addresses the content of technical information required. This section stipulates that the submittal address the design and operating characteristics, unusual or novel design features, and principal safety considerations.

The NRC staff has reviewed your application and concluded that the information delineated in the enclosure to this letter is necessary to enable the NRC staff to make an independent assessment regarding the acceptability of the proposed amendment request in terms of regulatory requirements and the protection of public health and safety and the environment.

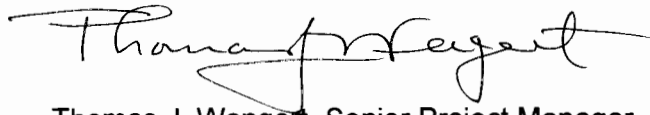
In order to make the application complete, the NRC staff requests that Entergy supplement the application to address the information requested in the enclosure by December 9, 2016. This will enable the NRC staff to complete its detailed technical review. If the information responsive to the NRC staff's request is not received by the above date, the application will not be accepted for review pursuant to 10 CFR 2.101, and the NRC staff will cease its review activities associated with the application. If the application is subsequently accepted for review, you will

be advised of any further information needed to support the NRC staff's detailed technical review by separate correspondence.

The information requested and associated timeframe in this letter were discussed with Mr. David Bice on November 22, 2016.

If you have any questions, please contact me at (301) 415-4037 or by e-mail at Thomas.Wengert@nrc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'Thomas J. Wengert', with a stylized flourish at the end.

Thomas J. Wengert, Senior Project Manager
Plant Licensing IV-2 and Decommissioning
Transition Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-368

Enclosure:
Supplemental Information Needed

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SUPPLEMENTAL INFORMATION NEEDED

AMENDMENT REQUEST TO REVISE

NATIONAL FIRE PROTECTION ASSOCIATION STANDARD 805 MODIFICATIONS

ENTERGY OPERATIONS, INC.

ARKANSAS NUCLEAR ONE, UNIT 2

DOCKET NO. 50-368

By letter dated October 27, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16302A227), Entergy Operations, Inc. (Entergy) submitted a license amendment request (LAR) for Arkansas Nuclear One, Unit 2 (ANO-2). The proposed amendment would revise the National Fire Protection Association Standard 805 (NFPA 805), "Performance-Based Standard for Fire Protection for Light Water Reactor Electric Generating Plants" (2001 Edition), modifications for ANO-2, previously approved by the U.S. Nuclear Regulatory Commission (NRC) in a letter dated February 18, 2015 (ADAMS Accession No. ML14356A227).

The NRC staff has reviewed your application and concluded that the information delineated below is necessary to enable the NRC staff to make an independent assessment regarding the acceptability of the proposed amendment request in terms of regulatory requirements and the protection of public health and safety and the environment.

- Most of the proposed modifications in Section 2.0 of the LAR replace cable rerouting with alternative electronic modification. Cable rerouting would eliminate the possibility for fire-induced failure while alternative electronic modifications will only reduce the possibility of fire-induced failures. Contrary to this observation, Tables 1 and 2 on page 25 of 30 of Attachment 1 of the LAR indicate that several alternative electronic modifications result in lower plant risk compared to the cable rerouting option. Provide supplemental information explaining why the risk decreases in some of the modifications summarized in Table 2 and increases for other modifications.

Enclosure

be advised of any further information needed to support the NRC staff's detailed technical review by separate correspondence.

The information requested and associated timeframe in this letter were discussed with Mr. David Bice on November 22, 2016.

If you have any questions, please contact me at (301) 415-4037 or by e-mail at Thomas.Wengert@nrc.gov.

Sincerely,

/RA/

Thomas J. Wengert, Senior Project Manager
Plant Licensing IV-2 and Decommissioning
Transition Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-368

Enclosure:
Supplemental Information Needed

cc w/encl: Distribution via Listserv

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ADAMS Accession No.: ML16333A307

OFFICE	NRR/DORL/LPL4-2/PM	NRR/DORL/LPL4-2/LA	NRR/DRA/APLA/BC
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DATE	11/29/16	11/29/16	11/29/16
OFFICE	NRR/DORL/LPL4-2/BC(A)	NRR/DORL/LPL4-2/PM	
NAME	DBroaddus	TWengert	
DATE	11/29/16	11/29/16	

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