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**Richard L. Anderson**  
ANO Site Vice President

OCAN061701

June 7, 2017

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

Subject: 10 CFR 50.71(e) Report  
Revision 17 of the ANO Fire Hazards Analysis  
Arkansas Nuclear One - Units 1 and 2  
Docket Nos. 50-313 and 50-368  
License Nos. DPR-51 and NPF-6

Dear Sir or Madam:

In accordance with 10 CFR 50.71(e), enclosed is a copy of Revision 17 to the Arkansas Nuclear One (ANO) Fire Hazards Analysis (FHA), which is common to both ANO units. The FHA is part of the ANO Safety Analysis Reports (SAR). The ANO-1 SAR is being submitted in accordance with 10 CFR 50.71(e) under separate cover.

Pursuant to 10 CFR 50.71(e)(4), the FHA is being submitted within six months following the previous ANO-1 refueling outage (1R25) which ended December 14, 2016. Attachment 1 to this letter provides a summary of changes to the FHA. Attachment 2 contains the FHA.

This letter contains no new commitments. If you have any questions or require additional information, please contact Stephenie Pyle at 479-858-4704.

I hereby certify that to the best of my knowledge and belief, the information contained in the enclosed Licensing Basis Document accurately reflects changes made since previous submittals. The changes to the FHA reflect information and analyses submitted to the Commission, prepared pursuant to Commission requirements, or made under the provisions of 10 CFR 50.48 and/or 10 CFR 50.59. Executed on June 7, 2017.

Sincerely,

**ORIGINAL SIGNED BY RICHARD L. ANDERSON**

RLA/dbb

Attachments:

1. Summary of Fire Hazards Analysis Changes
2. ANO Fire Hazards Analysis Revision 17

cc: Mr. Kriss M. Kennedy  
Regional Administrator  
U. S. Nuclear Regulatory Commission  
RGN-IV  
1600 East Lamar Boulevard  
Arlington, TX 76011-4511

NRC Senior Resident Inspector  
Arkansas Nuclear One  
P. O. Box 310  
London, AR 72847

U. S. Nuclear Regulatory Commission  
Attn: Mr. Thomas Wengert  
MS O-08B1  
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Rockville, MD 20852

Mr. Bernard R. Bevill  
Arkansas Department of Health  
Radiation Control Section  
4815 West Markham Street  
Slot #30  
Little Rock, AR 72205

**Attachment 1 to**

**0CAN061701**

**Summary of Fire Hazards Analysis Changes**

### Summary of Fire Hazards Analysis Changes

The following changes to the Arkansas Nuclear One, Unit 1 (ANO-1) and Unit 2 (ANO-2) Fire Hazards Analysis (FHA) were implemented in accordance with the requirements of 10 CFR 50.59 and/or 10 CFR 50.48. Because these changes were implemented without prior NRC approval, a description is provided below:

FHA Section	Summary of Change
Sections 11.7, 13.1	Engineering Change (EC)-48711, "Control Element Drive Mechanism / Computer Room Incipient Fire Detection Installation"
Sections 3.1, 5.8.1.D, 10.2, 11.10, 11.7, 11.14, 13.1, 15.1, 34.1, 36.3, 37.1, 40.2, 41.3, 41.4, 41.5, 43.1, 45.1, 67.0	Licensing Basis Document Change (LBDC) 15-041, "Editorial and Reference Updates"
Section 11.6	Condition Report CR-ANO-C-2016-0693, "Add Room 2079 to Technical Requirements Manual and FHA"
Sections 10.5, 10.9, 28.1	Engineering Change EC-64535, "Re-designation of Fire Zones"
Section 15.2	Engineering Change EC-66091, "Specify Engineered Safety Features Vault Flood Seal Height"
All except the following sections are changed: 1, 2, 4.2, 4.4, 4.5, 4.9, 4.10, 4.12, 4.13, 4.15, 4.16, 4.18 - 4.21, 6.1 - 6.4.4, 7.1 - 7.3, 11.0, 12.0, 14.0, 34.0, 35.0, 39.0, 41.0, 42.0, 43.0, 44.0, 46.0, 48.0, 49.0, 50.0, 59.0, 60.0, 61.0, 62.0, 63.0, 64.0	ANO-1 Technical Specification Amendment 256 (1CNA101601), "Issuance of Amendment Regarding Transition to a Risk-Informed, Performance-Based Fire Protection Program in accordance with 10 CFR 50.48(c)"
Sections 43.1, 48.1	Engineering Change EC-67516, "Upgrade Door 261 to a Fire Door"
Sections 10.2, 11.14, 20.2, 35.1, 36.3, 37.1, 39.1	Engineering Change EC-70834, "Dual Function Fire and Flood Seals"
Sections 10.4, 10.6, 10.10, 10.16, 10.17, 10.21, 11.5, 11.9, 14.1, 14.2, 15.3, 17.1, 17.3, 18.2, 18.3, 18.4, 19.1, 20.2, 20.6, 21.1, 25.1, 30.1, 30.2, 33.1, 36.1, 41.6, 44.2, 44.3, 48.2	Condition Report CR-ANO-1-2016-2643, "Correct Combustible Loading Summary Narrative"
Sections 9.1, 10.1 – 10.21, 11.1 – 11.23, 12.1 – 12.3, 13.1, 14.1, 14.2, 15.1 – 15.4, 16.1 – 16.3, 17.1 – 17.6, 18.1 – 18.4, 19.1, 20.1 – 20.6, 21.1, 21.2, 22.1, 23.1, 24.1 – 24.9, 25.1, 25.2, 26.1, 27.1, 28.1, 29.1, 29.2, 30.1, 30.2, 31.1, 32.1, 33.1, 34.1, 35.1, 36.1 – 36.4, 37.1, 37.2, 38.1, 39.1, 40.1, 40.2, 41.1 – 41.6, 42.1, 43.1, 44.1 – 44.3, 45.1, 45.2, 46.1, 46.2, 47.1, 48.1, 48.2, 49.1 – 49.3, 50.1	Engineering Change EC-69943, "Add Fire Barrier Reference Detail"