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Arkansas Nuclear One

1CAN060901

June 2, 2009

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

SUBJECT: Amendment 22 to the ANO Unit 1 Safety Analysis Report
Arkansas Nuclear One, Unit 1
Docket No. 50-313
License No. DPR-51

Dear Sir or Madam:

In accordance with 10 CFR 50.71(e) and 10 CFR 50.4(b)(6), enclosed is an electronic copy of Amendment 22 to the Arkansas Nuclear One, Unit 1 (ANO-1) Safety Analysis Report (SAR). Included with this update is an electronic copy of the current ANO-1 Technical Requirements Manual (TRM) and the current ANO-1 Technical Specification (TS) Bases. The TS Bases file also includes the Table of Contents which covers the contents of both the TSs and the TS Bases, since the Table of Contents is revised by the licensee under 10 CFR 50.59. The enclosed documents are provided on CD-ROM. Pursuant to 10 CFR 50.71(e)(4), these documents are being submitted within six months following the previous ANO-1 refueling outage (1R21) which ended December 12, 2008. Summaries of changes to the ANO-1 TRM and TS Bases are included in Attachments 1 and 2 of this letter.

In accordance with NEI 98-03, Appendix A, Section A6, a list and short description of information removed from the SAR is included in Attachment 3.

A summary of ANO-1 10 CFR 50.59 evaluations and those evaluations common between ANO-1 and ANO Unit 2 (ANO-2) associated with changes to Licensing Basis Documents over the reporting period will be provided under a separate cover letter within 30 days. The report will include a summary of changes to regulatory commitments which may have occurred over the reporting period. This is documented as a commitment in Attachment 4 of this letter.

If you have any questions or require additional information, please contact David Bice at 479-858-5338.

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I hereby certify that to the best of my knowledge and belief, the information contained in the above Licensing Basis Documents accurately reflects changes made since the previous submittal. The changes to these documents reflect information and analyses submitted to the Commission, prepared pursuant to Commission requirements, or made under the provisions of 10 CFR 50.59. Executed on June 2, 2009.

Sincerely,



BLB/dbb

Enclosures (on single CD-ROM):

1. ANO-1 SAR Amendment 22
2. ANO-1 TRM
3. ANO-1 TS Bases

Attachments:

1. Summary of ANO-1 TRM Changes
2. Summary of ANO-1 TS Bases Changes
3. List of Information Removed from the SAR
4. List of Regulatory Commitments

cc: Mr. Elmo Collins
Regional Administrator
U. S. Nuclear Regulatory Commission
Region IV
612 E. Lamar Blvd., Suite 400
Arlington, TX 76011-4125

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

U. S. Nuclear Regulatory Commission
Attn: Mr. Kaly Kalyanam
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Washington, DC 20555-0001

Mr. Bernard R. Beville
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Radiation Control Section
4815 West Markham Street
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Little Rock, AR 72205

Attachment 1

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Summary of ANO-1 TRM Changes

Summary of ANO-1 TRM Changes

The following changes to the Arkansas Nuclear One, Unit 1 (ANO-1) Technical Requirements Manual (TRM) were implemented in accordance with the provisions of 10 CFR 50.59. Because these changes were implemented without prior NRC approval, a description is provided below:

<u>Revision #</u>	<u>TRM Section</u>	<u>Description of Change</u>
21	Table of Contents 3.7.1 5.5.2 B 3.7.1	Relocation of Fuel Handling Area Ventilation System (FHAVS) Technical Specifications (TSs) to TRM
22	B 3.7.1	Clarification and Editorial Enhancement Related to FHAVS Requirements
23	3.0.4 B 3.0.4	Incorporation of Aspects From TS Amendment 232, TSTF 359 – Mode Restraints, to Maintain Consistency
24	Table of Contents 5.5.1 B 3.7.5	Revise Inspection and Testing Requirements of Snubbers
25	Table of Contents 3.3.6 3.7.8 3.7.9 3.7.10 3.7.11 3.7.12 3.8.4 B 3.3.6 B 3.7.8 B 3.7.9 B 3.7.10 B 3.7.11 B 3.7.12	Add Fire Protection Requirements to the TRM
26	TR 3.3.6.3 3.7.8 TR 3.7.9.1 TR 3.7.9.2 TR 3.7.9.6 3.7.11 3.7.12 B 3.7.8 B 3.7.9 B 3.7.11 B 3.8.12	Revise Fire Protection Requirements

Summary of ANO-1 TRM Changes (continued)

<u>Revision #</u>	<u>TRM Section</u>	<u>Description of Change</u>
27	3.7.12 Table 3.7.12-2 B 3.7.12	Delete Redundant Listing of ANO-1/2 TRM Table Fire Doors, and Add Reference to TG Lube Oil Room Fire Water Flow Switch
28	3.7.5 B 3.7.5	Implementation of TS Amendment 235, TSTF 372 Adoption of LCO 3.0.8 – Snubbers
29	3.7.5 B 3.7.5	Addition of Flowchart and Other Enhancements Relating to Snubber Requirements

Attachment 2

1CAN060901

Summary of ANO-1 TS Bases Changes

Summary of ANO-1 TS Bases Changes

The following changes to the Arkansas Nuclear One, Unit 1 (ANO-1) Technical Specification (TS) Bases were implemented in accordance with the provisions of 10 CFR 50.59 and the Bases Control Program of ANO-1 TS 5.5.14. Because these changes were implemented without prior NRC approval, a description is provided below:

<u>Revision #</u>	<u>Bases Section</u>	<u>Description of Change</u>
18	B 3.8.3	Condition Report CR-ANO-C-2007-1754, "Revise Bases for Emergency Diesel Generator (EDG) Fuel Oil to Include Procedural Limits for Specific Gravity"
19	B 3.1.1	Clarification of Shutdown Margin (SDM) Requirements With Inoperable Rod or During Group Withdrawal
20	Table of Contents B 3.7.12	Relocation of Fuel Handling Area Ventilation System (FHAVS) TSs to the Technical Requirements Manual (TRM)
21	B 3.0.3 B 3.8.10	Clarification and Editorial Enhancement Related to Deletion of TS FHAVS Requirements
22	B 3.0.4 B 3.3.15 B 3.4.12 B 3.4.15 B 3.5.3 B 3.7.5 B 3.8.1	Adoption of TSTF 359, Mode Restraints
23	B 3.6.5	Implementation of TS Amendment 233, Containment Spray Nozzles, Associated with TS 3.6.5 and Deletion of Detailed Reference to Code Edition and Addenda from TS Bases 3.6.1
24	B 3.4.15	Clarification of Emergency Power Requirements for Reactor Coolant System (RCS) Leak Detection Instruments
25	B 3.1.4	Addition of Operability Discussion Relating to Control Rods
26	B 3.6.6	Implementation of TS Amendment 234, NaOH Concentration Change, Associated with TS 3.6.6
27	B 3.4.9	Clarification of Pressurizer Heater Capacity Requirement
28	B 3.6.3	Clarification of GDC-57, Closed Systems for ANO-1
29	Table of Contents B 3.0.8	Implementation of TS Amendment 235, TSTF 372 Adoption of LCO 3.0.8 – Snubbers

Attachment 3

1CAN060901

List of Information Removed from the SAR

In accordance with NEI 98-03, Appendix A, Section A6, information removed from the Safety Analysis Report (SAR) should be specifically identified and a brief description provided to the NRC. Below is a listing of this information as it applies to Amendment 22 of the Arkansas Nuclear One – Unit 1 (ANO-1) SAR.

<u>SAR Section Number</u>	<u>Description of Change</u>
6.6.1	Licensing Basis Document Change Request 08-026, "Removal of Excessive Detail Regarding Qualified Coatings Inside the Reactor Building"

Attachment 4

1CAN060901

List of Regulatory Commitments

List of Regulatory Commitments

The following table identifies an action committed to by Entergy in this document. Any other statements in this submittal are provided for information purposes and are not considered to be regulatory commitments.

COMMITMENT	TYPE (Check one)		SCHEDULED COMPLETION DATE (if Required)
	ONE- TIME ACTION	CONTINUING COMPLIANCE	
A summary of Arkansas Nuclear One – Unit 1 (ANO-1) 10 CFR 50.59 evaluations and those evaluations common between ANO-1 and ANO Unit 2 (ANO-2) associated with changes to Licensing Basis Documents over the reporting period will be provided under a separate cover letter within 30 days. The report will include a summary of changes to regulatory commitments which may have occurred over the reporting period.	X		July 2, 2009