

September 24, 1993

Docket No. 50-313

Mr. Jerry W. Yelverton
Vice President, Operations ANO
Entergy Operations, Inc.
Route 3 Box 137G
Russellville, Arkansas 72801

Dear Mr. Yelverton:

SUBJECT: ISSUANCE OF AMENDMENT NO. 169 TO FACILITY OPERATING LICENSE
NO. DPR-51 - ARKANSAS NUCLEAR ONE, UNIT NO. 1 (TAC NO. M86787)

The Commission has issued the enclosed Amendment No. 169 to Facility Operating License No. DPR-51 for the Arkansas Nuclear One, Unit No. 1 (ANO-1). This amendment consists of changes to the Technical Specifications (TSs) in response to your application dated May 7, 1993.

The amendment changes TS 6.12.3.2 by replacing the current references to Babcock & Wilcox topical reports with references to BAW-10179P-A, "Safety Criteria and Methodology for Acceptable Cycle Reload Analyses." The change also specifies that the approved revision number of BAW-10179P-A will be identified in the Core Operating Limits Report for ANO-1.

A copy of our related Safety Evaluation is also enclosed. A Notice of Issuance will be included in the Commission's next biweekly Federal Register notice.

Sincerely,

ORIGINAL SIGNED BY:

Roby B. Bevan, Project Manager
Project Directorate IV-1
Division of Reactor Projects - III/IV/V
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 169 to DPR-51
2. Safety Evaluation

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OPA (2G5)
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W. Beckner

OFC	LA:PD4-1	PM:PD4-1	SRXB	OGC	D/PD4-1
NAME	PNoonan	RBevan:pk	RUones	WBeckner	WBeckner
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OFC	LA:PD4-1	PM:PD4-1	SRXB	OGC	D/PD4-1
NAME	PNoonan	RBevan:pk	RJones	WJohnson	WBeckner
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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

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A copy of our related Safety Evaluation is also enclosed. A Notice of Issuance will be included in the Commission's next biweekly Federal Register notice.

Sincerely,

A handwritten signature in black ink, reading "Roby B. Bevan", is written over a horizontal line.

Roby B. Bevan, Project Manager
Project Directorate IV-1
Division of Reactor Projects - III/IV/V
Office of Nuclear Reactor Regulation

Enclosures:

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2. Safety Evaluation

cc w/enclosures:
See next page

Mr. Jerry W. Yelverton
Entergy Operations, Inc.

Arkansas Nuclear One, Unit 1

cc:

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Regional Administrator, Region IV
U.S. Nuclear Regulatory Commission
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Arlington, Texas 76011

Honorable C. Doug Lunningham
County Judge of Pope County
Pope County Courthouse
Russellville, Arkansas 72801

Ms. Greta Dicus, Director
Division of Radiation Control
and Emergency Management
Arkansas Department of Health
4815 West Markham Street
Little Rock, Arkansas 72205-3867



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

ENTERGY OPERATIONS INC.

DOCKET NO. 50-313

ARKANSAS NUCLEAR ONE, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 169
License No. DPR-51

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Entergy Operations, Inc. (the licensee) dated May 7, 1993, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance: (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this license amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

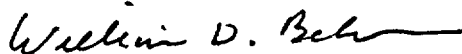
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and Paragraph 2.C.(2) of Facility Operating License No. DPR-51 is hereby amended to read as follows:

2. Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 169 , are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. The license amendment is effective as of its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



William D. Beckner, Director
Project Directorate IV-1
Division of Reactor Projects - III/IV/V
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: September 24, 1993

ATTACHMENT TO LICENSE AMENDMENT NO. 169

FACILITY OPERATING LICENSE NO. DPR-51

DOCKET NO. 50-313

Replace the following page of the Appendix "A" Technical Specifications with the attached page. The revised page is identified by Amendment number and contains a vertical line indicating the area of change.

REMOVE PAGE

142

INSERT PAGE

142

6.12.3 CORE OPERATING LIMITS REPORT

- 6.12.3.1 The core operating limits shall be established and documented in the CORE OPERATING LIMITS REPORT prior to each reload cycle or prior to any remaining part of a reload cycle.
- 6.12.3.2 The analytical methods used to determine the core operating limits addressed by the individual Technical Specification shall be those previously reviewed and approved by the NRC in Babcock & Wilcox Topical Report BAW-10179P-A, "Safety Criteria and Methodology for Acceptable Cycle Reload Analyses" (the approved revision at the time the reload analyses are performed). The approved revision number shall be identified in the CORE OPERATING LIMITS REPORT.
- 6.12.3.3 The core operating limits shall be determined so that all applicable limits (e.g. fuel thermal-mechanical limits, core thermal-hydraulic limits, ECCS limits, nuclear limits such as shutdown margin, and transient and accident analysis limits) of the safety analysis are met.
- 6.12.3.4 The CORE OPERATING LIMITS REPORT, including any mid-cycle revisions or supplements thereto, shall be provided upon issuance for each reload cycle to the NRC Document Control Desk with copies to the Regional Administrator and Resident Inspector.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 169 TO

FACILITY OPERATING LICENSE NO. DPR-51

ENTERGY OPERATIONS, INC.

ARKANSAS NUCLEAR ONE, UNIT NO. 1

DOCKET NO. 50-313

1.0 INTRODUCTION

By letter dated May 7, 1993, Entergy Operations, Inc. (the licensee), submitted a request for changes to the Arkansas Nuclear One, Unit No. 1 (ANO-1) Technical Specifications (TSs). The amendment would change TS 6.12.3.2 to replace the current references to Babcock & Wilcox (B&W) topical reports with references to BAW-10179P-A, "Safety Criteria and Methodology for Acceptable Cycle Reload Analyses." The specification would also indicate that the approved revision number of BAW-10179P-A is identified in the Core Operating Limits Report (COLR) for ANO-1.

2.0 EVALUATION

Section 6.12.3.2 of the ANO-1 TS describes the analytical methods used to determine core operating limits, referencing several specific B&W topical reports (References 1 through 11) that describe the methodologies used in ANO-1 safety analyses during the development of cycle-specific reload reports. These methodologies are not expected to change on a cycle-specific basis. This being the case, the licensee submitted and the staff reviewed, and approved by letter dated March 16, 1993, a B&W topical report, BAW-10179P-A, "Safety Criteria and Methodology for Acceptable Cycle Reload Analyses." This topical report describes the criteria to be applied to the mechanical, thermal-hydraulic, nuclear, and safety analyses for reload fuel. Adherence to the stated criteria will ensure compliance with the general design criteria and safety criteria contained in the Code of Federal Regulations. The cycle-specific parameters that are monitored and controlled to ensure conformance with the design and safety criteria are contained in the plant TSs, with the numerical values for these parameters being specified in a COLR.

The amendment proposed here would delete all current references (References 1 through 11) from TS 6.12.3.2 and replace them with a single reference, BAW-10179P-A, which will contain currently acceptable reload analysis methodology. Any future change in reload analysis methodology will be reviewed and approved by the NRC through a revision to BAW-10179.

The proposed amendment will also change TS 6.12.3.2 to indicate that the approved revision to BAW-10179P-A will be identified in the COLR for ANO-1.

The proposed amendment is a logical and desirable consequence of implementing the intended purpose of Generic Letter 88-16, "Removal of Cycle-Specific Parameter Limits from Technical Specifications," and is acceptable.

3.0 STATE CONSULTATION

In accordance with the Commission's regulations, the Arkansas State official was notified of the proposed issuance of the amendment. The State official had no comments.

4.0 ENVIRONMENTAL CONSIDERATION

This amendment involves changes in recordkeeping, reporting or administrative procedures or requirements. Accordingly, with respect to these items, the amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR §51.22(c)(10). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

5.0 CONCLUSION

The Commission has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: R. Bevan

Date: September 24, 1993