



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

April 21, 1999

Mr. Charles M. Dugger
Vice President Operations
Entergy Operations, Inc.
P. O. Box B
Killona, LA 70066

SUBJECT: ISSUANCE OF AMENDMENT NO. 150 TO FACILITY OPERATING LICENSE
NPF-38 - WATERFORD STEAM ELECTRIC STATION, UNIT 3
(TAC NO. MA0676)

Dear Mr. Dugger:

The Commission has issued the enclosed Amendment No. 150 to Facility Operating License No. NPF-38 for the Waterford Steam Electric Station, Unit 3. The amendment consists of changes to the Technical Specifications (TSs) in response to your application dated November 13, 1997.

The amendment changes the Appendix A TSs by revising TS 6.8.4.a, Primary Coolant Sources Outside Containment, to add portions of the containment vacuum relief and primary sampling systems to the list of systems included in the Primary Coolant Sources Outside Containment Program.

In addition to the above changes, several unrelated changes to the TS Bases were requested by Entergy Operations, Inc. (EOI). These changes were evaluated by EOI in accordance with 10 CFR 50.59 requirements. These changes will be addressed under separate correspondence.

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Mr. Charles M. Dugger

-2-

April 21, 1999

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:

Chandu P. Patel, Project Manager
Project Directorate IV-1
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-382

Enclosures: 1. Amendment No. 150 to NPF-38
2. Safety Evaluation

cc w/encls: See next page

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OFC	PM/PD4-1	LA/PD4-1	BC/SC8B	OGC	SC/PD4-1
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DATE	3/22/99	3/19/99	3/25/99	4/15/99	4/13/99
COPY	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO

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Mr. Charles M. Dugger

-2-

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,

Chandu P. Patel

Chandu P. Patel, Project Manager
Project Directorate IV-1
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-382

Enclosures: 1. Amendment No. 150 to NPF-38
2. Safety Evaluation

cc w/encls: See next page

Mr. Charles M. Dugger
Entergy Operations, Inc.

Waterford 3

cc:

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

ENTERGY OPERATIONS, INC.

DOCKET NO. 50-382

WATERFORD STEAM ELECTRIC STATION, UNIT 3

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 150
License No. NPF-38

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Entergy Operations, Inc. (the licensee) dated November 13, 1997, 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 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.

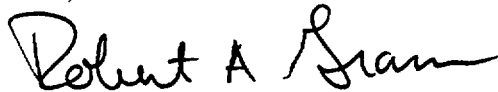
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C(2) of Facility Operating License No. NPF-38 is hereby amended to read as follows:

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 150, and the Environmental Protection Plan contained in Appendix B, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. This license amendment is effective as of its date of issuance and shall be implemented within 60 days.

FOR THE NUCLEAR REGULATORY COMMISSION



Robert A. Gramm, Chief, Section 1
Project Directorate IV & Decommissioning
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Attachment: Changes to the Technical
Specifications

Date of Issuance: April 21, 1999

ATTACHMENT TO LICENSE AMENDMENT NO. 150

TO FACILITY OPERATING LICENSE NO. NPF-38

DOCKET NO. 50-382

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

REMOVE PAGE

6-15

INSERT PAGE

6-15

ADMINISTRATIVE CONTROLS

PROCEDURES AND PROGRAMS (Continued)

- j. OFFSITE DOSE CALCULATION MANUAL implementation.
- k. Quality Assurance Program for effluent and environmental monitoring, using the guidance in Regulatory Guide 1.21, Revision 1, June 1974 and Regulatory Guide 4.1, Revision 1, April 1975.

6.8.2 Not Used

6.8.3 Not Used

6.8.4 The following programs shall be established, implemented, and maintained:

a. Primary Coolant Sources Outside Containment

A program to reduce leakage from those portions of systems outside containment that could contain highly radioactive fluids during a serious transient or accident to as low as practical levels. The systems include the containment spray, safety injection, hydrogen analyzer, and the post-accident sampling systems; and portions of the containment vacuum relief and primary sampling systems. The program shall include the following:

1. Preventive maintenance and periodic visual inspection requirements, and
2. Integrated leak test requirements for each system at refueling cycle intervals or less.

b. In-Plant Radiation Monitoring

A program which will ensure the capability to accurately determine the airborne iodine concentration in vital areas under accident conditions. This program shall include the following:



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SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 150 TO

FACILITY OPERATING LICENSE NO. NPF-38

ENTERGY OPERATIONS, INC.

WATERFORD STEAM ELECTRIC STATION, UNIT 3

DOCKET NO. 50-382

1.0 INTRODUCTION

By application dated November 13, 1997, Entergy Operations, Inc. (the licensee), submitted a request for changes to the Waterford Steam Electric Station, Unit 3 (Waterford 3), Technical Specifications (TSs). The requested changes would revise TS 6.8.4.a, Primary Coolant Sources Outside Containment, by adding portions of the containment vacuum relief (CVR) and primary sampling systems to the list of systems included in the Primary Coolant Sources Outside Containment Program.

2.0 EVALUATION

Current TS 6.8.4.a requires a program to reduce leakage from those portions of the systems outside containment that could contain highly radioactive fluids during a serious transient or accident to as low as practical levels. The systems include the containment spray, safety injection, hydrogen analyzer, and the post-accident sampling system. The program requires the following:

1. Preventive maintenance and periodic visual inspection requirements, and
2. Integrated leak test requirements for each system at refueling cycle intervals or less.

The proposed change will add portions of the CVR and the primary sampling systems in the list of systems included in the Primary Coolant Sources Outside Containment Program. The CVR system is being added to correct a design error made during the initial licensing phase of Waterford 3 and the primary sampling system is being added based on a plant modification. Both of these systems have the potential to produce leakage from containment to outside containment during a serious transient or accident. Therefore, by adding both of these systems to TS 6.8.4.a, the licensee will ensure that these systems will comply with the requirements of the program.

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The licensee stated that the addition of the CVR system and the primary sampling system to the Primary Coolant Sources Outside Containment Program in the TSs will ensure that any leakage associated with these potential bypass leakage paths will not exceed the limits used in the Waterford 3 safety analysis or result in a significant increase in the analyzed dose consequences. The leak rate testing on appropriate portions of these systems during each refueling cycle will keep any leakage from these systems to a minimum and the licensee will perform required preventive maintenance on these systems.

The Nuclear Regulatory Commission (NRC) staff has reviewed the proposed changes and concludes that these systems should be included in the Primary Coolant Sources Outside Containment Program because there is a potential that these systems could contain highly radioactive fluids outside containment. The proposed changes will minimize the leakage of primary coolant outside the containment and limit the dose consequences during a serious transient or accident to as low as practical levels. Therefore, these changes are acceptable to the staff.

3.0 STATE CONSULTATION

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

4.0 ENVIRONMENTAL CONSIDERATION

The amendment changes a requirement with respect to installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The NRC staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that the amendment involves no significant hazards consideration and there has been no public comment on such finding (63 FR 9601). Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the 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: C. Patel

Date: April 21, 1999