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Amat. 144 to DPR-47

Dockets Nos. 50-269, 50-270
and 50-287

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Mr. H. B. Tucker
Vice President - Nuclear Production
Duke Power Company
P. O. Box 33189
422 South Church Street
Charlotte, North Carolina 28242

Dear Mr. Tucker:

The Commission has issued the enclosed Amendments Nos. 144, 144, and 141 to Facility Operating Licenses Nos. DPR-38, DPR-47 and DPR-55 for the Oconee Nuclear Station, Units Nos. 1, 2 and 3. These amendments consist of changes to the Station's common Technical Specifications (TSs) in response to your request dated June 26, 1984, as supplemented on January 25, 1985.

These amendments revise the TSs to delineate the need for administrative controls to limit the working hours for Station staff performing safety-related functions.

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

Sincerely,

"ORIGINAL SIGNED BY:"

Helen Nicolaras, Project Manager
Operating Reactors Branch #4
Division of Licensing

Enclosures:

1. Amendment No.144 to DPR-38
2. Amendment No.144 to DPR-47
3. Amendment No.141 to DPR-55
4. Safety Evaluation

cc w/enclosures:
See next page

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Duke Power Company

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

DUKE POWER COMPANY

DOCKET NO. 50-269

OCONEE NUCLEAR STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 144
License No. DPR-38

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Duke Power Company (the licensee) dated June 26, 1984, as supplemented on January 25, 1985, 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 3.B of Facility Operating License No. DPR-38 is hereby amended to read as follows:

3.B Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 144 are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION


John F. Stolz, Chief
Operating Reactors Branch #4
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: October 21, 1985



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

DUKE POWER COMPANY

DOCKET NO. 50-270

OCONEE NUCLEAR STATION, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 144
License No. DPR-47

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Duke Power Company (the licensee) dated June 26, 1984, as supplemented on January 25, 1985, 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 3.B of Facility Operating License No. DPR-47 is hereby amended to read as follows:

3.B Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 144 are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in cursive script, appearing to read "John F. Stolz".

John F. Stolz, Chief
Operating Reactors Branch #4
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: October 21, 1985



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

DUKE POWER COMPANY

DOCKET NO. 50-287

OCONEE NUCLEAR STATION, UNIT NO. 3

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 141
License No. DPR-55

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Duke Power Company (the licensee) dated June 26, 1984, as supplemented on January 25, 1985, 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 3.B of Facility Operating License No. DPR-55 is hereby amended to read as follows:

3.B Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 141 are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



John F. Stolz, Chief
Operating Reactors Branch #4
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: October 21, 1985

ATTACHMENT TO LICENSE AMENDMENTS

AMENDMENT NO. 144 TO DPR-38

AMENDMENT NO. 144 TO DPR-47

AMENDMENT NO. 141 TO DPR-55

DOCKETS NOS. 50-269, 50-270 AND 50-287

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

Remove Page

Insert Page

6.4-2

6.4-2

6.4.2

A respiratory protective program approved by the Commission shall be in force.

6.4.3 Administrative procedures shall be developed and implemented to limit the working hours of station staff who perform safety-related functions, e.g., senior reactor operators, reactor operators, nuclear equipment operators, and certain maintenance personnel.

Any deviations from the above procedures shall be authorized by the Station Manager (or designee) in accordance with established procedures and with documentation of the basis for granting the deviation. Individual overtime shall be periodically reviewed to assure that excessive hours have not been worked. Routine deviation from the above guidelines is not authorized.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING AMENDMENT NO. 144 TO FACILITY OPERATING LICENSE NO. DPR-38
AMENDMENT NO. 144 TO FACILITY OPERATING LICENSE NO. DPR-47
AMENDMENT NO. 141 TO FACILITY OPERATING LICENSE NO. DPR-55
DUKE POWER COMPANY
OCONEE NUCLEAR STATION, UNITS NOS. 1, 2 AND 3
DOCKETS NOS. 50-269, 50-270 AND 50-287

1.0 Introduction

By letter dated June 26, 1984 (Reference 11), Duke Power Company (the licensee) proposed changes to the Technical Specifications (TSs) of Facility Operating Licenses Nos. DPR-38, DPR-47 and DPR-55 for the Oconee Nuclear Station, Units Nos. 1, 2 and 3. These amendments would consist of changes to the Station's common TSs and revise the "Administrative" section of the TSs to delineate the need for administrative controls to limit the working hours for Station staff performing safety-related functions.

The regulatory policy on working hours had its beginning in NUREG-0585 (Reference 1). The policy gradually evolved through publication of a series of regulatory documents (References 2 through 9) and, for pressurized water reactor (PWR) licensees, culminated in the Standard Technical Specification (STS) in Generic Letter 82-16 (Reference 10).

Generic Letter 82-16 addressed several NUREG-0737 items for which TSs are appropriate and provided guidance on the form and content of acceptable TSs. PWR licensees were requested to review their TSs against the guidance contained in the Generic Letter and to submit an application for a license amendment for those items that deviated from the guidance or were absent from the licensee's TSs. With respect to the working hours of nuclear power plant staff members who perform safety-related functions, PWR licensees were requested to revise the administrative section of their TSs to require procedures that limit the amount of overtime in accordance with Generic Letter 82-12 (Reference 9) or to adopt the STS on working hours enclosed with Generic Letter 82-16.

2.0 Evaluation

By Reference 11, the licensee submitted a proposed revision to the TSs to administratively limit the working hours of Station staff who perform

safety-related functions. Although the proposed revision does not incorporate the NRC Policy Statement by reference nor does it completely adopt the STS, it does meet the intent of Generic Letter 82-16, as discussed below:

1. The NRC Policy Statement and the STS both state that the administrative control of working hours applies to the plant staff who perform safety-related functions (e.g., senior reactor operators, reactor operators, health physicists, auxiliary operators, and key maintenance personnel). The licensee's proposed revision does not include health physicists; it also refers to "certain" maintenance personnel rather than "key" maintenance personnel.

The licensee states that it is not the practice at Oconee to apply safety-related considerations to the health-physicist position. Management at the Station considers the position to have a nonsafety monitoring function only. We find the licensee's position acceptable in that it conforms with the basic generic requirements that "administrative procedures shall be developed and implemented to limit the working hours of unit staff who perform safety-related functions."

The licensee's definition of "certain" maintenance personnel conforms with the Generic Letter 83-14 (Reference 14) definition of "key" maintenance personnel.

2. The NRC Policy Statement and the STS both give specific time limitations on overtime, i.e.,
 - a. An individual should not be permitted to work more than 16 hours straight, excluding shift turnover time.
 - b. An individual should not be permitted to work more than 16 hours in any 24-hour period, nor more than 24 hours in any 48-hour period, nor more than 72 hours in any 7-day period, all excluding shift turnover time.
 - c. A break of at least eight hours should be allowed between work periods, including shift turnover time.
 - d. Except during extended shutdown periods, the use of overtime should be considered on an individual basis and not for the entire staff on a shift.

The licensee's proposed revision does not incorporate specific time limits on overtime; however the licensee's January 25, 1985 submittal (Reference 13) includes a new procedure (Oconee Nuclear Station Directive 2.1.5) that prescribes a program for controlling excessive working hours of Station personnel. The new procedure, dated December 1, 1984, does contain the specific limitations on overtime listed above, which are applied to employees performing safety-related work.

We accept the licensee's commitment as noted in the proposed TS, to control working hours by means of an approved plant procedure. The proposed TSs require that administrative procedures be developed and implemented to limit the working hours of station staff who perform safety-related functions and any deviations from these procedures shall be authorized by the Station Manager (or designee) with documentation of the basis for granting the deviation.

3. The NRC Policy Statement and the STS both specify that deviations from the overtime limits must be authorized by the Station Manager or his deputy, or by higher levels of management. The term "deputy" is intended to mean the principal assistant to the Station Manager such that only senior management officials are able to authorize major deviations from the overtime guidance of the Policy Statement.

The licensee's proposed revision specifies that deviations from procedural working-hour limitations must be authorized by the Station Manager or his designee. The licensee explained that it is standard practice to use the word "designee" in Oconee guidance documents to establish the delegation of authority. Their most recent submittal (Reference 13) includes a new procedure (Oconee Nuclear Station Directive 2.1.5) that contains specific guidelines for management review of overtime.

We conclude that the licensee's position meets the intent of Generic Letter 82-16 and is acceptable.

4. The STS requires that individual overtime be reviewed monthly by the Plant Superintendent or his designee to assure that excessive hours have not been assigned.

The licensee's proposed revision specifies that overtime shall be "periodically" reviewed, but does not specify by whom. Reference 13 states that weekly time-sheet reviews for nonexempt personnel and monthly supplemental pay reviews for exempt personnel are the formal methods for verifying compliance with working hour guidelines. The reviews are performed by cognizant supervisory personnel. Furthermore, supervisors have on-going familiarity with the work schedules of their people, which constitutes an additional, albeit more informal, method of controlling working hours.

We conclude that the licensee's overtime review practices meet the intent of Generic Letter 82-16, which is to "assure that excessive hours have not been assigned" to Station staff who perform safety-related functions.

In evaluating the licensee's proposal, we note that the intent of the Commission's Policy Statement on working hours is to prevent situations where fatigue could reduce the ability of operating personnel to keep the reactor in a safe condition. We have focused on the use of overtime, which is an important job-related factor that influences fatigue. We have evaluated the information provided by the licensee, and we conclude that the proposed Technical Specification revision, in combination with Oconee Nuclear Station Directive 2.1.5, is sufficient to meet the intent of Generic Letter 82-16 and is, therefore, acceptable.

3.0 Environmental Consideration

These amendments relate to changes in administrative procedures or requirements. Accordingly, these 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 these amendments.

4.0 Conclusion

We have 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, and (2) such activities will be conducted in compliance with the Commission's regulations and the issuance of these amendments will not be inimical to the common defense and security or to the health and safety of the public.

Dated: October 21, 1985

Principal Contributor: M. Schoppman

References

1. NUREG-0585, "TMI-2 Lessons Learned Task Force Final Report," October 1979.
2. IE Circular 80-02, "Nuclear Power Plant Staff Work Hours," February 1, 1980.
3. NUREG-0660, "NRC Action Plan Developed as a Result of the TMI-2 Accident," Task I.A.1, May 1980.
4. Letter from D. G. Eisenhut (NRC) to all licensees of operating plants and applicants for operating licenses and holders of construction permits, "Interim Criteria for Shift Staffing," July 31, 1980.
5. NUREG-0737, "Clarification of TMI Action Plan Requirements," Item I.A.1.3, November 1980.
6. Generic Letter 82-02, "Nuclear Power Plant Staff Working Hours," February 8, 1982.
7. Federal Register, "Policy on Factors Causing Fatigue of Operating Personnel at Nuclear Reactors, 47 FR 7352, February 11, 1982.
8. Federal Register, "Policy on Factors Causing Fatigue of Operating Personnel at Nuclear Reactors (revised)," 47 FR 23836, June 1, 1982.
9. Generic Letter 82-12, "Nuclear Power Plant Staff Working Hours," June 15, 1982.
10. Generic Letter 82-16, "NUREG-0737 Technical Specifications," September 20, 1982.
11. Letter from H. B. Tucker (Duke Power Company) to H. R. Denton (NRC), Proposed Amendment to Oconee Operating Licenses to add a new Technical Specification on working hours, June 26, 1984.
12. Letter from J. F. Stolz (NRC) to H. B. Tucker (Duke Power Company), "Request for Additional Information on Proposed Amendments for Working Hour Limits," December 26, 1984.
13. Letter from H. B. Tucker (Duke Power Company) to H. R. Denton (NRC), response to NRC Request for Additional Information, January 25, 1985.
14. Generic Letter 83-14, "Definition of 'Key Maintenance Personnel,' (Clarification of Generic Letter 82-12)," March 7, 1983.