

November 8, 1996

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Mr. John K. Wood  
 Vice President - Nuclear, Davis-Besse  
 Centerior Service Company  
 c/o Toledo Edison Company  
 Davis-Besse Nuclear Power Station  
 5501 North State Route 2  
 Oak Harbor, OH 43449-9760

SUBJECT: AMENDMENT NO. 212 TO FACILITY OPERATING LICENSE NO. NPF-3 -  
 DAVIS-BESSE NUCLEAR POWER STATION, UNIT NO. 1 (TAC NO. M96518)

Dear Mr. Wood:

The Commission has issued the enclosed Amendment No. 212 to Facility Operating License No. NPF-3 for the Davis-Besse Nuclear Power Station, Unit No. 1. The amendment revises the Technical Specifications (TS) in response to your application dated September 4, 1996.

This amendment revises TS 6.2.3, "Facility Staff Overtime," by removing specific overtime limits and working hours. Additionally, a procedural control requirement was added to the TS that will ensure a monthly review of overtime for personnel who perform safety-related functions.

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

Sincerely,

Original signed by:

Allen G. Hansen, Project Manager  
 Project Directorate III-3  
 Division of Reactor Projects III/IV  
 Office of Nuclear Reactor Regulation

Docket No. 50-346

Enclosures: 1. Amendment No. 212 to  
 License No. NPF-3  
 2. Safety Evaluation

*DFD 1/11*

cc w/encls: See next page

\*See previous concurrence.

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DATE	11/7/96 <i>DFC</i>		11/7/96 <i>new</i>		09/23/96		11/02/96		11/04/96

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

November 8, 1996

Mr. John K. Wood  
Vice President - Nuclear, Davis-Besse  
Centerior Service Company  
c/o Toledo Edison Company  
Davis-Besse Nuclear Power Station  
5501 North State Route 2  
Oak Harbor, OH 43449-9760

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Sincerely,

A handwritten signature in black ink, appearing to read "Allen G. Hansen".

Allen G. Hansen, Project Manager  
Project Directorate III-3  
Division of Reactor Projects III/IV  
Office of Nuclear Reactor Regulation

Docket No. 50-346

Enclosures: 1. Amendment No. 212 to  
License No. NPF-3  
2. Safety Evaluation

cc w/encls: See next page

Mr. John K. Wood  
Toledo Edison Company

cc:

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5501 North State Route 2  
Oak Harbor, Ohio 43449-9760

Davis-Besse Nuclear Power Station  
Unit No. 1

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Ohio Environmental Protection Agency  
DERR--Compliance Unit  
ATTN: Zack A. Clayton  
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Columbus, Ohio 43266-0149

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180 East Broad Street  
Columbus, Ohio 43266-0573

Mr. James R. Williams  
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2855 West Dublin Granville Road  
Columbus, Ohio 43235-2206

President, Board of County  
Commissioner of Ottawa County  
Port Clinton, Ohio 43452



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

TOLEDO EDISON COMPANY  
CENTERIOR SERVICE COMPANY

AND

THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

DOCKET NO. 50-346

DAVIS-BESSE NUCLEAR POWER STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 212  
License No. NPF-3

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by the Toledo Edison Company, Centerior Service Company, and the Cleveland Electric Illuminating Company (the licensees) dated September 4, 1996, 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-3 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 212, are hereby incorporated in the license. The Toledo Edison Company shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of its date of issuance and shall be implemented not later than 90 days after issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Allen G. Hansen, Project Manager  
Project Directorate III-3  
Division of Reactor Projects III/IV  
Office of Nuclear Reactor Regulation

Attachment: Changes to the Technical  
Specifications

Date of issuance: November 8, 1996

ATTACHMENT TO LICENSE AMENDMENT NO. 212

FACILITY OPERATING LICENSE NO. NPF-3

DOCKET NO. 50-346

Replace the following pages of the Appendix "A" Technical Specifications with the attached pages. The revised pages are identified by amendment number and contain vertical lines indicating the area of change.

Remove

6-4a

Insert

6-4a

## 6.0 ADMINISTRATIVE CONTROLS

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### FACILITY STAFF OVERTIME

6.2.3 Administrative controls shall be developed and implemented to limit the working hours of personnel who perform safety-related functions (e.g., senior reactor operators, reactor operators, auxiliary operators, health physicists, and key maintenance personnel). The controls shall include guidelines on working hours that ensure that adequate shift coverage is maintained without routine heavy use of overtime for individuals.

Any deviation from the working hour guidelines shall be authorized in advance by the Plant Manager or his designees, in accordance with approved administrative procedures, and with documentation of the basis for granting the deviation. Routine deviation from the above guidelines shall not be authorized.

Controls shall be included in the procedures such that individual overtime shall be reviewed monthly by the Plant Manager or his designee(s) to ensure that excessive hours have not been assigned.





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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 212 TO FACILITY OPERATING LICENSE NO. NPF-3  
TOLEDO EDISON COMPANY  
CENTERIOR SERVICE COMPANY  
AND  
THE CLEVELAND ELECTRIC ILLUMINATING COMPANY  
DAVIS-BESSE NUCLEAR POWER STATION, UNIT NO. 1  
DOCKET NO. 50-346

1.0 INTRODUCTION

By letter dated September 4, 1996, Toledo Edison Company, Centerior Service Company, and The Cleveland Electric Illuminating Company (the licensees), submitted a request for changes to the Davis-Besse Nuclear Power Station (DBNPS) Technical Specifications (TS). The requested amendment would revise TS 6.2.3, "Facility Staff Overtime," by removing specific overtime limits and working hours. Additionally, a requirement would be added to procedurally require that the plant manager or his designee(s) perform a monthly review of overtime for personnel who perform safety-related functions.

2.0 EVALUATION

TS Section 6.2.3, "Facility Staff Overtime," describes the administrative controls that limit the amount of overtime worked by personnel who perform safety-related functions: senior reactor operators, reactor operators, health physicists, auxiliary operators, and key maintenance personnel. The objective of the current TS was to have operating personnel work a normal 8-hour day, 40-hour week while the plant is operating. Since this language was approved, a great deal of experience has been obtained on working 12-hour shifts which entail working more than a 40-hour week.

On February 18, 1982, the NRC published "Policy on Factors Causing Fatigue of Operating Personnel at Nuclear Reactors" (47 FR 23836). In June 1982, the NRC revised the policy slightly and subsequently disseminated the revision in Generic Letter (GL) 82-12, "Nuclear Power Plant Staff Working Hours," which recommended that licensees incorporate specific overtime limits in the TS to minimize the potential for operator errors resulting from fatigue. The staff subsequently determined that few events at U. S. nuclear plants have been attributed to inadequate control of working hours, and that licensees can adequately control working hours with administrative procedures. This approach is consistent with Action Item I.A.1.3.a, "Limit Overtime," of NUREG-0737, "Clarification of TMI Action Plan Requirements."

The staff has determined, on a generic basis, that specific overtime limits need not be specified in TS since this matter is not one of the subjects required by 10 CFR 50.36 to be in TS; this change will be incorporated on a generic basis in a revision to the improved STS (NUREG 1430). The staff concludes that control of this matter through administrative procedures provides reasonable assurance that personnel overtime will not jeopardize safe plant operation, and that specific overtime limits and associated procedures to minimize the potential for operator fatigue can be relocated to the Updated Safety Analysis Report (USAR), or other licensee controlled documents incorporated in the USAR by reference, for which future changes can be made pursuant to 10 CFR 50.59. Accordingly, this proposed change for DBNPS is acceptable.

The licensees propose adding a requirement to procedurally control the review, by the plant manager or his designee(s), of overtime for facility personnel who perform safety related-functions. The objective of this review shall be to ensure that excessive hours, that could lead to increased personnel error rates, are not being routinely worked.

The proposed changes have been reviewed by the staff and found to be acceptable, because they do not affect the safe operation of the plant.

### 3.0 STATE CONSULTATION

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

### 4.0 ENVIRONMENTAL CONSIDERATION

This amendment changes an administrative requirement. 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 (61 FR 52970). Accordingly, the amendment meets 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 the amendment.

### 5.0 CONCLUSION

The staff 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 this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: L. Gundrum

Date: November 8, 1996