

September 20, 1989

Docket No. 50-346

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Mr. Donald C. Shelton  
Vice President, Nuclear  
Toledo Edison Company  
Edison Plaza - Stop 712  
300 Madison Avenue  
Toledo, Ohio 43652

Dear Mr. Shelton:

SUBJECT: AMENDMENT NO.137 TO FACILITY OPERATING LICENSE NO. NPF-3  
(TAC NO. 66416)

The Commission has issued Amendment No. 137 to Facility Operating License No. NPF-3 for the Davis-Besse Nuclear Power Station, Unit No. 1. The amendment revises the Technical Specifications in response to your application dated October 16, 1987.

This amendment revises the Technical Specifications (TSs) to reflect facility licensed operator staffing. The proposals request that the appropriate TSs be revised to reflect existing operating procedures which require at least one operator to be in the control panel area when fuel is in the reactor, at least two licensed operators, one with a senior operator license, to be in the Control Room while the plant is in Operational Modes 1 through 4, and at least two senior operators to be onsite while the plant is in Modes 1 through 4.

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,

Thomas V. Wambach, Sr. Project Manager  
Project Directorate III-3  
Division of Reactor Projects - III, IV,  
V & Special Projects  
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 137 to License No. NPF-3
2. Safety Evaluation

cc: See next page

Office: LA/PDIII-3  
Surname: PKreutzer  
Date: 8/31/89

*[Signature]*  
PDIII-3  
AMassey  
8/31/89

*[Signature]*  
SPE/PDIII-3  
MDLynch  
8/31/89

*[Signature]*  
PM/PDIII-3  
TWambach  
8/31/89

~~LEB  
TGod, Sr  
8/31/89~~

Office: PD/PDIII-3  
Surname: JHannon  
Date: 8/31/89

*[Signature]*  
OGC  
CPW  
9/18/89

*[Signature]*  
DFH  
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PDR ADOCK 05000346  
P PNU

Mr. Donald C. Shelton  
Toledo Edison Company

Davis-Besse Nuclear Power Station  
Unit No. 1

cc:

David E. Burke, Esq.  
The Cleveland Electric  
Illuminating Company  
P. O. Box 5000  
Cleveland, Ohio 44101

Radiological Health Program  
Ohio Department of Health  
1224 Kinnear Road  
Columbus, Ohio 43212

Mr. Robert W. Schrauder  
Manager, Nuclear Licensing  
Toledo Edison Company  
Edison Plaza  
300 Madison Avenue  
Toledo, Ohio 43652

Attorney General  
Department of Attorney  
General  
30 East Broad Street  
Columbus, Ohio 43215

Gerald Charnoff, Esq.  
Shaw, Pittman, Potts  
and Trowbridge  
2300 N Street N.W.  
Washington, D.C. 20037

Mr. James W. Harris, Director  
(Addressee Only)  
Division of Power Generation  
Ohio Department of Industrial Relations  
2323 West 5th Avenue  
P. O. Box 825  
Columbus, Ohio 43216

Regional Administrator, Region III  
U.S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, Illinois

Ohio Environmental Protection Agency  
361 East Broad Street  
Columbus, Ohio 43266-0558

Mr. Robert B. Borsum  
Babcock & Wilcox  
Nuclear Power Generation Division  
Suite 525, 1700 Rockville Pike  
Rockville, Maryland 20852

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

Resident Inspector  
U.S. Nuclear Regulatory Commission  
5503 N. State Route 2  
Oak Harbor, Ohio 43449

State of Ohio  
Public Utilities Commission  
180 East Broad Street  
Columbus, Ohio 43266-0573



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

TOLEDO EDISON 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. 137  
License No. NPF-3

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by the Toledo Edison Company and The Cleveland Electric Illuminating Company (the licensees) dated October 16, 1987 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:

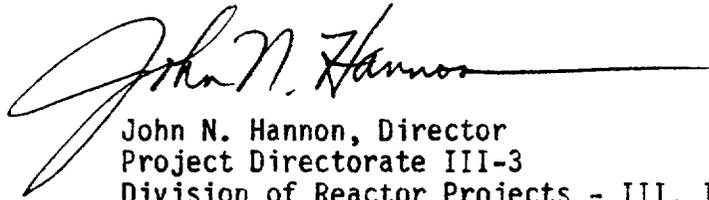
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P PNU

(a) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 137, 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 45 days after issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



John N. Hannon, Director  
Project Directorate III-3  
Division of Reactor Projects - III, IV,  
V, & Special Projects  
Office of Nuclear Reactor Regulation

Attachment: Changes to the Technical  
Specifications

Date of Issuance: September 20, 1989

ATTACHMENT TO LICENSE AMENDMENT NO. 137

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. The corresponding overleaf pages are also provided to maintain document completeness.

Remove

Insert

6-1a

6-1a

6-4

6-4

## 6.0 ADMINISTRATIVE CONTROLS

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### 6.2.2 FACILITY STAFF

- a. Each on duty shift shall be composed of at least the minimum shift crew composition shown in Table 6.2-1.
- b. At least one licensed Operator shall be in the control panel area when fuel is in the reactor.
- c. At least two licensed Operators, one of which has a Senior Reactor Operator license, shall be present in the control room while in MODES 1, 2, 3 or 4.
- d. An individual qualified in radiation protection procedures shall be on site when fuel is in the reactor#.
- e. All CORE ALTERATIONS shall be directly supervised by either a licensed Senior Reactor Operator or Senior Reactor Operator Limited to Fuel Handling who has no other concurrent responsibilities during this operation.
- f. A site Fire Brigade of at least 5 members shall be maintained onsite at all times#. The Fire Brigade shall not include 3 members of the minimum shift crew necessary for safe shutdown of the unit and any personnel required for other essential functions during a fire emergency.
- g. The Assistant Plant Manager-Operations shall hold a senior reactor operator license. The Operations Superintendent shall hold a senior reactor operator license.

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# The individual qualified in radiation protection procedures and the Fire Brigade Composition may be less than the minimum requirements for a period of time not to exceed 2 hours in order to accommodate unexpected absence, provided immediate action is taken to fill the required positions.

Figure 6.2-2

Davis-Besse Nuclear Power Station  
Operations Organization

DELETED

TABLE 6.2-1

MINIMUM SHIFT CREW COMPOSITION#

LICENSE CATEGORY	APPLICABLE MODES	
	1, 2, 3 & 4	5 & 6
SOL	2	1*
OL	2	1
Non-Licensed	2	1
Shift Technical Advisor	1	None Required

\*Does not include the licensed Senior Reactor Operator or Senior Reactor Operator Limited to Fuel Handling supervising CORE ALTERATIONS.

#Shift crew composition may be less than the minimum requirements for a period of time not to exceed 2 hours in order to accommodate unexpected absence of on duty shift crew members provided immediate action is taken to restore the shift crew composition to within the minimum requirements of Table 6.2-1.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 137 TO FACILITY OPERATING LICENSE NO. NPF-3  
TOLEDO EDISON 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 October 16, 1987, The Toledo Edison Company (TE), the licensee, requested an amendment to the Technical Specifications (TS's) appended to Facility Operating License No. NPF-3 for the Davis-Besse Nuclear Power Plant, Unit No. 1. The proposed amendment would revise the TS's to reflect changes to the licensed operator staffing.

The proposed organizational changes to facility staffing in the TS's adds the requirement for at least one operator to be in the control panel area when fuel is in the reactor. Also, at least two licensed operators, one with a senior operator license, are to be in the control room while the plant is in Operational Modes 1 through 4, and at least two senior operators are to be onsite while the plant is in Modes 1 through 4. The proposed amendment would change Technical Specification 6.2.2b to reflect the replacement of the words "control room" with "control panel area." This change clarifies that at least one licensed operator shall be present at the controls at all times during the operation of the facility. Specification 6.2.2c would be revised to require that at least two licensed operators, one of which has a Senior Reactor Operator License, shall be present in the control room while the plant is in Operational Modes 1, 2, 3, or 4. These changes would reflect the changes in licensed operator staffing that have been made to conform to 10 CFR 50.54 and NUREG-0737, TMI Action Plan.

2.0 EVALUATION

The licensee's proposed changes to the TS would reflect the existing procedures relating to organization of facility staff.

(1) Specification 6.2.2b reflects the NRC requirement addressed in 10 CFR 50.54(k) to clarify that at least one licensed operator shall be present at the controls at all times during operation of the facility.

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P PNU

(2) Specification 6.2.2c reflects staffing requirements at nuclear power plants and is acceptable because it is in compliance with the NRC requirement addressed in 10 CFR 50.54(m)(i) and 10 CFR 50.54(m)(iii). TS Table 6.2-1, "Minimum Shift Crew Composition" would also be revised to reflect the change to 6.2.2c.

The staff concludes that the licensee's proposed TS changes reflect organizational changes in accordance with the regulations cited above and with NUREG-0737. Accordingly, the staff finds the proposed changes acceptable.

### 3.0 ENVIRONMENTAL CONSIDERATION

This amendment relates to changes in recordkeeping, reporting, or administrative procedures or requirements. 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.

### 4.0 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, and (2) such activities will be conducted in compliance with the Commission's regulations, and 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: Antoinette N. Massey

Dated: September 20, 1989

September 20, 1989

Docket No. 50-346

DISTRIBUTION

Mr. Donald C. Shelton  
Vice President, Nuclear  
Toledo Edison Company  
Edison Plaza - Stop 712  
300 Madison Avenue  
Toledo, Ohio 43652

Docket File  
NRC & Local PDRs  
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EJordan  
AMassey

BGrimes  
TMeek(4)  
Wanda Jones  
JCalvo  
ACRS(10)  
GPA/PA Edison  
ARM/LFMB  
PDIII-3 r/f  
JHannon  
MDLynch

Dear Mr. Shelton:

SUBJECT: AMENDMENT NO.137 TO FACILITY OPERATING LICENSE NO. NPF-3  
(TAC NO. 66416)

The Commission has issued Amendment No. 137 to Facility Operating License No. NPF-3 for the Davis-Besse Nuclear Power Station, Unit No. 1. The amendment revises the Technical Specifications in response to your application dated October 16, 1987.

This amendment revises the Technical Specifications (TSs) to reflect facility licensed operator staffing. The proposals request that the appropriate TSs be revised to reflect existing operating procedures which require at least one operator to be in the control panel area when fuel is in the reactor, at least two licensed operators, one with a senior operator license, to be in the Control Room while the plant is in Operational Modes 1 through 4, and at least two senior operators to be onsite while the plant is in Modes 1 through 4.

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,

*TS*

Thomas V. Wambach, Sr. Project Manager  
Project Directorate III-3  
Division of Reactor Projects - III, IV,  
V & Special Projects  
Office of Nuclear Reactor Regulation

Enclosures:

- 1. Amendment No.137to License No. NPF-3
- 2. Safety Evaluation

cc: See next page

Office: LA/PDIII-3  
Surname: PKreutzer  
Date: 9/3/89

*AM*  
PDIII-3  
AMassey  
8/31/89

*MD*  
SPE/PDIII-3  
MDLynch  
8/31/89

*W*  
PM/PDIII-3  
TWambach  
8/31/89

~~LFEB  
TGodwin, Sr  
8/31/89~~

Office: PD/PDIII-3  
Surname: JHannon  
Date: 8/13/89

*CPW*  
OGC  
9/5/89

*9/30/89*  
~~89-0030169~~ 2pp.

Mr. Donald C. Shelton  
Toledo Edison Company

Davis-Besse Nuclear Power Station  
Unit No. 1

cc:

David E. Burke, Esq.  
The Cleveland Electric  
Illuminating Company  
P. O. Box 5000  
Cleveland, Ohio 44101

Radiological Health Program  
Ohio Department of Health  
1224 Kinnear Road  
Columbus, Ohio 43212

Mr. Robert W. Schrauder  
Manager, Nuclear Licensing  
Toledo Edison Company  
Edison Plaza  
300 Madison Avenue  
Toledo, Ohio 43652

Attorney General  
Department of Attorney  
General  
30 East Broad Street  
Columbus, Ohio 43215

Gerald Charnoff, Esq.  
Shaw, Pittman, Potts  
and Trowbridge  
2300 N Street N.W.  
Washington, D.C. 20037

Mr. James W. Harris, Director  
(Addressee Only)  
Division of Power Generation  
Ohio Department of Industrial Relations  
2323 West 5th Avenue  
P. O. Box 825  
Columbus, Ohio 43216

Regional Administrator, Region III  
U.S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, Illinois

Ohio Environmental Protection Agency  
361 East Broad Street  
Columbus, Ohio 43266-0558

Mr. Robert B. Borsum  
Babcock & Wilcox  
Nuclear Power Generation Division  
Suite 525, 1700 Rockville Pike  
Rockville, Maryland 20852

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

Resident Inspector  
U.S. Nuclear Regulatory Commission  
5503 N. State Route 2  
Oak Harbor, Ohio 43449

State of Ohio  
Public Utilities Commission  
180 East Broad Street  
Columbus, Ohio 43266-0573



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

TOLEDO EDISON 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. 137  
License No. NPF-3

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by the Toledo Edison Company and The Cleveland Electric Illuminating Company (the licensees) dated October 16, 1987 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:

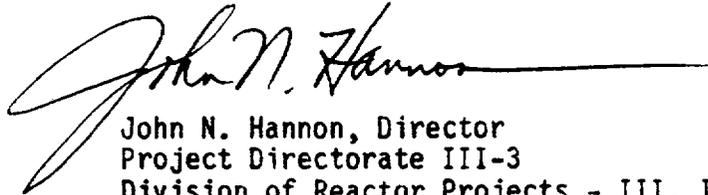
~~8910030176~~ bpp.

(a) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 137, 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 45 days after issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



John N. Hannon, Director  
Project Directorate III-3  
Division of Reactor Projects - III, IV,  
V, & Special Projects  
Office of Nuclear Reactor Regulation

Attachment: Changes to the Technical  
Specifications

Date of Issuance: September 20, 1989

ATTACHMENT TO LICENSE AMENDMENT NO. 137

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. The corresponding overleaf pages are also provided to maintain document completeness.

Remove

Insert

6-1a

6-1a

6-4

6-4

## 6.0 ADMINISTRATIVE CONTROLS

---

### 6.2.2 FACILITY STAFF

- a. Each on duty shift shall be composed of at least the minimum shift crew composition shown in Table 6.2-1.
- b. At least one licensed Operator shall be in the control panel area when fuel is in the reactor.
- c. At least two licensed Operators, one of which has a Senior Reactor Operator license, shall be present in the control room while in MODES 1, 2, 3 or 4.
- d. An individual qualified in radiation protection procedures shall be on site when fuel is in the reactor#.
- e. All CORE ALTERATIONS shall be directly supervised by either a licensed Senior Reactor Operator or Senior Reactor Operator Limited to Fuel Handling who has no other concurrent responsibilities during this operation.
- f. A site Fire Brigade of at least 5 members shall be maintained onsite at all times#. The Fire Brigade shall not include 3 members of the minimum shift crew necessary for safe shutdown of the unit and any personnel required for other essential functions during a fire emergency.
- g. The Assistant Plant Manager-Operations shall hold a senior reactor operator license. The Operations Superintendent shall hold a senior reactor operator license.

---

# The individual qualified in radiation protection procedures and the Fire Brigade Composition may be less than the minimum requirements for a period of time not to exceed 2 hours in order to accommodate unexpected absence, provided immediate action is taken to fill the required positions.

Figure 6.2-2

Davis-Besse Nuclear Power Station  
Operations Organization

DELETED

TABLE 6.2-1

MINIMUM SHIFT CREW COMPOSITION#

LICENSE CATEGORY	APPLICABLE MODES	
	1, 2, 3 & 4	5 & 6
SOL	2	1*
OL	2	1
Non-Licensed	2	1
Shift Technical Advisor	1	None Required

\*Does not include the licensed Senior Reactor Operator or Senior Reactor Operator Limited to Fuel Handling supervising CORE ALTERATIONS.

#Shift crew composition may be less than the minimum requirements for a period of time not to exceed 2 hours in order to accommodate unexpected absence of on duty shift crew members provided immediate action is taken to restore the shift crew composition to within the minimum requirements of Table 6.2-1.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 137 TO FACILITY OPERATING LICENSE NO. NPF-3

TOLEDO EDISON 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 October 16, 1987, The Toledo Edison Company (TE), the licensee, requested an amendment to the Technical Specifications (TS's) appended to Facility Operating License No. NPF-3 for the Davis-Besse Nuclear Power Plant, Unit No. 1. The proposed amendment would revise the TS's to reflect changes to the licensed operator staffing.

The proposed organizational changes to facility staffing in the TS's adds the requirement for at least one operator to be in the control panel area when fuel is in the reactor. Also, at least two licensed operators, one with a senior operator license, are to be in the control room while the plant is in Operational Modes 1 through 4, and at least two senior operators are to be onsite while the plant is in Modes 1 through 4. The proposed amendment would change Technical Specification 6.2.2b to reflect the replacement of the words "control room" with "control panel area." This change clarifies that at least one licensed operator shall be present at the controls at all times during the operation of the facility. Specification 6.2.2c would be revised to require that at least two licensed operators, one of which has a Senior Reactor Operator License, shall be present in the control room while the plant is in Operational Modes 1, 2, 3, or 4. These changes would reflect the changes in licensed operator staffing that have been made to conform to 10 CFR 50.54 and NUREG-0737, TMI Action Plan.

2.0 EVALUATION

The licensee's proposed changes to the TS would reflect the existing procedures relating to organization of facility staff.

(1) Specification 6.2.2b reflects the NRC requirement addressed in 10 CFR 50.54(k) to clarify that at least one licensed operator shall be present at the controls at all times during operation of the facility.

~~8910030180~~ 2pp

(2) Specification 6.2.2c reflects staffing requirements at nuclear power plants and is acceptable because it is in compliance with the NRC requirement addressed in 10 CFR 50.54(m)(i) and 10 CFR 50.54(m)(iii). TS Table 6.2-1, "Minimum Shift Crew Composition" would also be revised to reflect the change to 6.2.2c.

The staff concludes that the licensee's proposed TS changes reflect organizational changes in accordance with the regulations cited above and with NUREG-0737. Accordingly, the staff finds the proposed changes acceptable.

### 3.0 ENVIRONMENTAL CONSIDERATION

This amendment relates to changes in recordkeeping, reporting, or administrative procedures or requirements. 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.

### 4.0 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, and (2) such activities will be conducted in compliance with the Commission's regulations, and 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: Antoinette N. Massey

Dated: September 20, 1989