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Mr. Richard P. Crouse
 Vice President, Nuclear
 Toledo Edison Company
 Edison Plaza - Stop 712
 300 Madison Avenue
 Toledo, Ohio 43652

Dear Mr. Crouse:

SUBJECT: AMENDMENT NO. 46 TO FACILITY OPERATING LICENSE NO. NPF-3

The Commission has issued the enclosed Amendment No. 46 to Facility Operating License No. NPF-3 for the Davis-Besse Nuclear Power Station, Unit No. 1. This amendment consists of a temporary change to Table 4.3-11 of the Appendix A Technical Specifications in response to your telephone request of September 16, 1982, followed by a telecopied application on September 17, 1982, and confirmed by formal application dated September 30, 1982 (No. 864). This amendment was authorized by telephone September 16, 1982, and was confirmed by letter September 20, 1982. The change permits a one-time extension to the surveillance period for the Steam Line Pressure-Low, instrument.

Copies of the Safety Evaluation and Notice of Issuance are also enclosed.

Sincerely,

Original signed by

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

Enclosures:

1. Amendment No. 46 to NPF-3
2. Safety Evaluation
3. Notice

cc w/enclosures:
 See next page

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*Concurrence in Fed. Reg.
 notice and license amend-
 ment*

OFFICE	ORB#4:DL	ORB#4:DL	C-ORB#4:DL	AD-OR:DL	OELD		
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DATE	10/6/82	10/6/82:cb	10/6/82	10/7/82	10/12/82		

Toledo Edison Company

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ATTN: Radiological Health
Program Director
P. O. Box 118
Columbus, Ohio 43216



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

October 13, 1982

Docket No. 50-346

Mr. Richard P. Crouse
Vice President, Nuclear
Toledo Edison Company
Edison Plaza - Stop 712
300 Madison Avenue
Toledo, Ohio 43652

Dear Mr. Crouse:

SUBJECT: AMENDMENT NO. 46 TO FACILITY OPERATING LICENSE NO. NPF-3

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Copies of the Safety Evaluation and Notice of Issuance are also enclosed.

Sincerely,

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

Enclosures:

1. Amendment No. 46 to NPF-3
2. Safety Evaluation
3. Notice

cc w/enclosures:
See next page



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

THE 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. 46
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 September 30, 1982, 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.

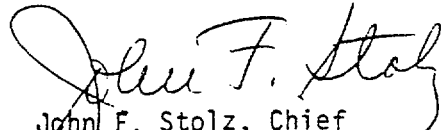
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. NPF-3 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 46, are hereby incorporated in the license. The Toledo Edison Company shall operate the facility in accordance with the Technical Specifications.

3. This license amendment was effective September 16, 1982.

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 13, 1982

ATTACHMENT TO LICENSE AMENDMENT NO. 46

FACILITY OPERATING LICENSE NO. NPF-3

DOCKET NO. 50-346

Replace the following page of the Appendix "A" Technical Specifications with the enclosed page as indicated. The revised page is identified by Amendment number and contains vertical lines indicating the area of change. The corresponding overleaf page is also provided to maintain document completeness.

Page

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TABLE 3.3-13

STEAM AND FEEDWATER RUPTURE CONTROL SYSTEM RESPONSE TIMES

<u>ACTUATED EQUIPMENT</u>	<u>RESPONSE TIME IN SECONDS</u>
1. Auxiliary Feed Pump	≤ 40
2. Main Steam Isolation Valves	≤ 6
3. Main Feedwater Valves	
a. Main Control	≤ 8
b. Startup Control	≤ 13
c. Stop Valve	≤ 16
4. Turbine Stop Valves	≤ 6

DAVIS-BESSE, UNIT 1

3/4 3-30

Amendment No. ~~4,48~~, 46

TABLE 4.3-11

STEAM AND FEEDWATER RUPTURE CONTROL SYSTEM
INSTRUMENTATION SURVEILLANCE REQUIREMENTS

<u>FUNCTIONAL UNIT</u>	<u>CHANNEL CHECK</u>	<u>CHANNEL CALIBRATION</u>	<u>CHANNEL FUNCTIONAL TEST</u>
1. Instrument Channel			
a. Steam Line Pressure - Low	S	R	M+
b. Steam Generator Level - Low	S	R	M
c. Steam Generator - Feedwater Differential Pressure-High	S	R	M
d. Reactor Coolant Pumps-Loss of	S	R	M
2. Manual Actuation	NA	NA	R

+The surveillance period for Steam Line Pressure-Low Instrument is extended to 2400 hours, September 16, 1982.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING AMENDMENT NO. 46 TO FACILITY OPERATING LICENSE NO. NPF-3

TOLEDO EDISON COMPANY

AND

CLEVELAND ELECTRIC ILLUMINATING COMPANY

DAVIS-BESSE NUCLEAR POWER STATION, UNIT 1

DOCKET NO. 50-346

1.0 Introduction

By telephoned request on September 16, 1982, followed by a telecopied application September 17, 1982, as confirmed by formal application dated September 30, 1982, Toledo Edison Company (the licensee) requested a change to Table 4.3-11 of the Appendix A Technical Specifications (TSs) appended to Facility Operating License No. NPF-3 for the Davis-Besse Nuclear Power Station, Unit No. 1. The change would add the following one-time note to Table 4.3-11.

- + The surveillance period for Steam Line Pressure-Low, instrument is extended to 2400 hours, September 16, 1982.

The TSs would be further amended by adding the symbol, +, in the column headed "Channel Functional Test" for Functional Unit 1.a., Table 4.3-11.

2.0 Background

TS Section 4.3.2.2.1 requires that each Steam and Feedwater Rupture Control System (SFRCS) instrumentation channel be demonstrated operable by the performance of channel checks, channel calibrations, and channel functional tests during Modes 1, 2 and 3 at the frequencies shown in Table 4.3-11. Table 4.3-11 requires that the instrument channel functional tests shall be conducted monthly. TS Section 4.0.2 specifies that the Surveillance Requirement is to be performed within the specified interval with a maximum allowable extension not to exceed 25% of the surveillance interval.

The licensee had last performed the channel functional tests for certain SFRCS Steam Line Pressure-Low switches on August 5, 1982; thus, the surveillance period, including the 25% time extension permitted by TS Section 4.0.2, expired at 2400 hours September 12, 1982. The licensee continued operation beyond the expiration of the surveillance interval unaware of the expiration until the afternoon of September 16, 1982. At that time, the plant entered Action Statement 3.3.2.2(b) which would have the effect of requiring plant shutdown within one hour. The licensee requested the extension of the surveillance period to 2400 hours on September 16, 1982, to avoid an unnecessary transient on the unit due to rapid shutdown. This extension period would be adequate for the licensee to complete the required channel functional tests.

3.0 Evaluation

Davis-Besse exceeded the surveillance test period on the SFRCS steam line low pressure switches. The TSs require that the switches be tested on a monthly basis with a 25% time allowance. The licensee had exceeded the TS surveillance interval since midnight of September 12, 1982. However, we were informed mid-day September 16, 1982.

Past history of the switches has shown no tendency for instrument drift such that there is currently no technical reason to suspect that the switches are inoperable. The switches have been recently calibrated during the last refueling outage. A strict interpretation of the TSs currently requires a rapid shutdown. Davis-Besse is presently operating at about 75% of rated power. To avoid an unnecessary transient on the unit due to a shutdown, the licensee proposes to extend the surveillance period to extend the time limit to 2400 hours on September 16, 1982. The safety function of these pressure switches is to provide a steam pressure input to the SFRCS indicating a rupture in the main steam system. The SFRCS is composed of two actuation trains each of which will isolate both main steam lines and associated feedwater lines upon the detection of a rupture in either main steam line. Each SFRCS actuation train will also initiate one train of auxiliary feedwater and isolate one steam generator. One of the two actuation trains has been completely and satisfactorily tested. Each train picks up pressure indications from both steam lines. Therefore, the plant presently has the ability to sense loss of steam pressure and provide subsequent protective actions as described above assuming no failures occur in the tested train prior to completing the required surveillance. We therefore agree with the licensee's analysis that the granting of this TS change is justified.

4.0 Environmental Consideration

We have determined that the amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement, or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

5.0 Conclusion

We have concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of an accident previously evaluated, does not create the possibility of an accident of a type different from any evaluated previously, and does not involve a significant

reduction in a margin of safety, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) 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.

Dated: October 13, 1982

The following NRC personnel have contributed to this Safety Evaluation:
A. W. De Agazio.

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NO. 50-346THE TOLEDO EDISON COMPANYANDTHE CLEVELAND ELECTRIC ILLUMINATING COMPANYNOTICE OF ISSUANCE OF AMENDMENT TO FACILITY
OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 46 to Facility Operating License No. NPF-3, issued to The Toledo Edison Company and The Cleveland Electric Illuminating Company (the licensees), which revised Technical Specifications (TSs) for operation of the Davis-Besse Nuclear Power Station, Unit No. 1 (the facility) located in Ottawa County, Ohio.

The amendment was authorized by telephone on September 16, 1982, and was confirmed by letter dated September 20, 1982. The amendment permits a one-time extension to the surveillance period for the Steam Line Pressure-Low, instrument. The amendment was issued on an expedited basis to avoid an unnecessary and undesirable shutdown.

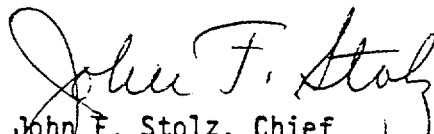
The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR §51.5(d)(4) an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

For further details with respect to this action, see (1) the telecopied application for amendment dated September 17, 1982, and the formal application dated September 30, 1982, (2) the Commission's letter to the licensee dated September 20, 1982, (3) Amendment No. 46 to License No. NPF-3, and (4) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C., and at the University of Toledo Library, Documents Department, 2801 West Bancroft Avenue, Toledo, Ohio 43606. A copy of items (2), (3) and (4) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland, this 13th day of October 1982.

FOR THE NUCLEAR REGULATORY COMMISSION



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