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Docket No. 50-346

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		CMiles
		JWetmore

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

Dear Mr. Crouse:

The Commission has issued the enclosed Amendment No. 3<sup>1</sup> to Facility Operating License No. NPF-3 for the Davis-Besse Nuclear Power Station, Unit No. 1. The amendment consists of changes to the Technical Specifications in response to your application dated August 22, 1980.

This amendment modifies Limiting Conditions for Operation for the Containment Purge and Exhaust Isolation Valves. This action allows the plant, which is in cold shutdown, to heatup and operate at power with these valves inoperable, provided that the containment purge penetrations have been rendered passive by completing Action statement b. or c. of Technical Specification 3.6.3.1.

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

Sincerely,

Original signed by  
 Robert W. Reid

Robert W. Reid, Chief  
 Operating Reactors Branch #4  
 Division of Licensing

Enclosures:

1. Amendment No. 3<sup>1</sup>
2. Safety Evaluation
3. Notice

cc w/enclosures: See next page

8009260 346

*as modified*  
 LG-BEAST  
 J. Wetmore  
 9/9/80

\*See previous yellow for concurrences.

OFFICE	ORB#4:DL	ORB#4:DL	C-ORB#4:DL	AD-OR:DL	OELD
SURNAME	RIngram	DGarner/cb*	RWReid	TMNovak*	*MRothschild
DATE	9/5/80	9/9/80	9/9/80	9/4/80	9/5/80

CMiles, OPA

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

Dear Mr. Crouse:

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This amendment modifies Limiting Conditions for Operation for the Containment Purge and Exhaust Isolation Valves. This action allows the plant, which is in cold shutdown, to heatup and operate at power with these valves inoperable.

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

Sincerely,

Robert W. Reid, Chief  
 Operating Reactors Branch #4  
 Division of Licensing

Enclosures:

1. Amendment No.
2. Safety Evaluation
3. Notice

cc w/enclosures: See next page

*done 9/10/80*  
*concern in amendment letter and Federal Register notice on subject to changes of notice*

OFFICE	ORB#4:DL	ORB#4:DL	C-ORB4:DL	AD-OR:DL	OELD
SURNAME	RIngram	DGarner/cb	RReid	TNovak	M. Bothschuld
DATE	9/4/80	9/4/80	9/4/80	9/4/80	9/05/80



UNITED STATES  
 NUCLEAR REGULATORY COMMISSION  
 WASHINGTON, D.C. 20555  
**September 8, 1980**

DISTRIBUTION:  
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 ORB#4 Rdg  
 RIngram

Docket No. 50-346

Docketing and Service Section  
 Office of the Secretary of the Commission

SUBJECT: **DAVIS-BESSE UNIT 1**

Two signed originals of the Federal Register Notice identified below are enclosed for your transmittal to the Office of the Federal Register for publication. Additional conformed copies (12 ) of the Notice are enclosed for your use.

- Notice of Receipt of Application for Construction Permit(s) and Operating License(s).
- Notice of Receipt of Partial Application for Construction Permit(s) and Facility License(s): Time for Submission of Views on Antitrust Matters.
- Notice of Availability of Applicant's Environmental Report.
- Notice of Proposed Issuance of Amendment to Facility Operating License.
- Notice of Receipt of Application for Facility License(s); Notice of Availability of Applicant's Environmental Report; and Notice of Consideration of Issuance of Facility License(s) and Notice of Opportunity for Hearing.
- Notice of Availability of NRC Draft/Final Environmental Statement.
- Notice of Limited Work Authorization.
- Notice of Availability of Safety Evaluation Report.
- Notice of Issuance of Construction Permit(s).
- Notice of Issuance of Facility Operating License(s) or Amendment(s).
- Other: **Amendment No. 31**  
**Referenced documents have been provided PDR**

**Division of Licensing, ORB#4**  
 Office of Nuclear Reactor Regulation

Enclosure:  
 As Stated

OFFICE →	ORB#4:DL				
SURNAME →	RIngram/cb				
DATE →	9/9/80				



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555  
September 8, 1980

Docket No. 50-346

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

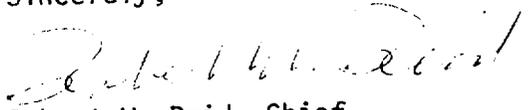
Dear Mr. Crouse:

The Commission has issued the enclosed Amendment No. 31 to Facility Operating License No. NPF-3 for the Davis-Besse Nuclear Power Station, Unit No. 1. The amendment consists of changes to the Technical Specifications in response to your application dated August 22, 1980.

This amendment modifies Limiting Conditions for Operation for the Containment Purge and Exhaust Isolation Valves. This action allows the plant, which is in cold shutdown, to heatup and operate at power with these valves inoperable, provided that the containment purge penetrations have been rendered passive by completing Action statement b. or c. of Technical Specification 3.6.3.1.

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

Sincerely,

  
Robert W. Reid, Chief  
Operating Reactors Branch #4  
Division of Licensing

Enclosures:

1. Amendment No. 31
2. Safety Evaluation
3. Notice

cc w/enclosures: See next page

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Toledo Edison Company

cc w/enclosure(s):

Mr. Donald H. Hauser, Esq.  
The Cleveland Electric  
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Cleveland, Ohio 44101

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Fuller, Seney, Henry and Hodge  
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Toledo, Ohio 43604

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Babcock & Wilcox  
Nuclear Power Generation Division  
Suite 420, 7735 Old Georgetown Road  
Bethesda, Maryland 20014

Ida Rupp Public Library  
310 Madison Street  
Port Clinton, Ohio 43452

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

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

Harold Kahn, Staff Scientist  
Power Siting Commission  
361 East Broad Street  
Columbus, Ohio 43216

Mr. Rick Jagger  
Industrial Commission  
State of Ohio  
2323 West 5th Avenue  
Columbus, Ohio 43216

Mr. Ted Myers  
Licensing Engineer  
Toledo Edison Company  
Edison Plaza  
300 Madison Avenue  
Toledo, Ohio 43652

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

Director, Technical Assessment  
Division  
Office of Radiation Programs  
(AW-459)  
U. S. Environmental Protection Agency  
Crystal Mall #2  
Arlington, Virginia 20460

U. S. Environmental Protection Agency  
Federal Activities Branch  
Region V Office  
ATTN: EIS COORDINATOR  
230 South Dearborn Street  
Chicago, Illinois 60604

cc w/enclosure(s) and incoming dtd.:  
8/22/80

Ohio Department of Health  
ATTN: Director of Health  
450 East Town Street  
Columbus, Ohio 43216



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. 31  
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 August 22, 1980, 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.

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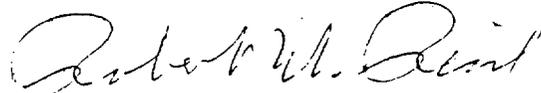
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. NPF-3 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 31, 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 the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Robert W. Reid, Chief  
Operating Reactors Branch #4  
Division of Licensing

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: September 8, 1980

ATTACHMENT TO LICENSE AMENDMENT NO. 31

FACILITY OPERATING LICENSE NO. NPF-3

DOCKET NO. 50-346

Replace the following pages of the Appendix "A" Technical Specifications with the enclosed pages as indicated. 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.

Pages

3/4 6/19

3/4 6/22

TABLE 3.6-2

## CONTAINMENT ISOLATION VALVES (Continued)

<u>PENETRATION NUMBER</u>	<u>VALVE NUMBER</u>	<u>FUNCTION</u>	<u>ISOLATION TIME (seconds)</u>
67	CV5090	Hydrogen Dilution System Supply	60
68A	SS235A	Pressurizer Quench Tank Sample	30
68A	SS235B	Pressurizer Quench Tank Sample	30
68B	CV5010B	Containment Air Sample	15
68B	CV5011B	Containment Air Sample	15
69	CV5065	Hydrogen Dilution System Supply	60
71B	CV5010A	Containment Air Sample	15
71B	CV5011A	Containment Air Sample	15
71C	CV1544	Core Flood Tank N2 Fill	10
73B	CV5010C	Containment Air Sample	15
73B	CV5011C	Containment Air Sample	15
74B	CV5011D	Containment Air Sample	15
74B	CV5011D	Containment Air Sample	15
B. CONTAINMENT PURGE AND EXHAUST ISOLATION			
33 ##	CV5005	Containment Vessel Purge Inlet Line	10
33 ##	CV5006	Containment Vessel Purge Inlet Line	10
34 ##	CV5007	Containment Vessel Purge Outlet Line	10
34 ##	CV5008	Containment Vessel Purge Outlet Line	10
C. OTHER			
5 #	SW1366	Containment Air Cooling Units SW Inlet Line	N/A
6 #	SW1368	Containment Air Cooling Units SW Inlet Line	N/A
7 #	SW1367	Containment Air Cooling Units SW Inlet Line	N/A
9 #	SW1356	Containment Air Cooling Units SW Outlet Line	N/A

TABLE 3.6-2

## CONTAINMENT ISOLATION VALVES (Continued)

<u>PENETRATION VALVE NUMBER</u>	<u>NUMBER</u>	<u>FUNCTION</u>	<u>ISOLATION TIME (seconds)</u>
10 #	SW1358	Containment Air Cooling Units SW Inlet Line	N/A
11 #	SW1357	Containment Air Cooling Units SW Outlet Line	N/A
17	CV343	Containment Vessel Leak Test Inlet Line	
17	Flange	Containment Vessel Leak Test Inlet Line (Inside Containment)	N/A
19 #	HP57	High Pressure Injection Line	N/A
20 #	HP56	High Pressure Injection Line	N/A
22 #	HP49	High Pressure Injection Line	N/A
23 #	SF1	Fuel Transfer Tube	N/A
23	Flange	Fuel Transfer Tube	N/A
24 #	SF2	Fuel Transfer Tube	N/A
24	Flange	Fuel Transfer Tube	N/A
*25	GS33	Containment Spray Line	N/A
*25	CS17	Containment Spray Line	N/A
25	SA536	Containment Spray Line	N/A
25	SA532	Containment Spray Line	N/A
*26	CS36	Containment Spray Line	N/A
*26	CS18	Containment Spray Line	N/A
26	SA535	Containment Spray Line	N/A
26	SA533	Containment Spray Line	N/A
27 #	DH1A	Low Pressure Injection Line	N/A
27 #	DH76	Low Pressure Injection Line	N/A
28 #	DH1B	Low Pressure Injection Line	N/A
28 #	DH77	Low Pressure Injection Line	N/A

TABLE 3.6-2

## CONTAINMENT ISOLATION VALVES (Continued)

<u>PENETRATION NUMBER</u>	<u>VALVE NUMBER</u>	<u>FUNCTION</u>	<u>ISOLATION TIME</u>
*29 #	DH11	Decay Heat Pump Suction Line	N/A
*29	DH23	Decay Heat Pump Suction Line	N/A
29 #	PSV4849	Decay Heat Pump Suction Line	N/A
35 #	AF599	Auxiliary Feedwater Line	N/A
36 #	AF608	Auxiliary Feedwater Line	N/A
*39 #	MS107	Main Steam Line	N/A
*39 #	MS107A	Main Steam Line	N/A
*40 #	MS106	Main Steam Line	N/A
*40 #	MS106A	Main Steam Line	N/A
41	RC113	Pressurizer Quench Tank Inlet Line	N/A
42A	SA502	Service Air Supply Line	N/A
42B	CV124	Containment Vessel Air Sample Return	N/A
43A	IA501	Service Air Supply Line	N/A
43B	CV125	Containment Vessel Air Sample Return	N/A
44A	CF15	Core Flood Tank Fill and Nitrogen Supply Line	N/A
44B	NN58	Pressurizer Quench Tank Inlet Line	N/A
*47A	CF2A	Core Flood Tank Sample Line	N/A
*47A	CF2B	Core Flood Tank Sample Line	N/A
*47B	CF5A	Core Flood Tank Vent Line	N/A
*47B	CF5B	Core Flood Tank Vent Line	N/A
49	DH87	Refueling Canal Fill Line	N/A
49	DH88	Refueling Canal Fill Line	N/A

TABLE 3.6-2

## CONTAINMENT ISOLATION VALVES (Continued)

<u>PENETRATION NUMBER</u>	<u>VALVE NUMBER</u>	<u>FUNCTION</u>	<u>ISOLATION TIME</u>
49	DH87	Refueling Canal Fill Line	N/A
49	DH88	Refueling Canal Fill Line	N/A
50 #	HP48	High Pressure Injection	N/A
52	MU242	RCP Seal Water Supply	N/A
53	MU243	RCP Seal Water Supply	N/A
54	MU244	RCP Seal Water Supply	N/A
55	MU245	RCP Seal Water Supply	N/A
*57 #	MS603	Steam Generator Drain Line	N/A
*57 #	MS603A	Steam Generator Drain Line	N/A
*58 #	MS611	Steam Generator Drain Line	N/A
*58 #	MS611A	Steam Generator Drain Line	N/A
59	Flange	Secondary Side Cleaning (Inside Containment)	N/A
59	Flange	Secondary Side Cleaning (Outside Containment)	N/A
67	CV209	Hydrogen Dilution System Supply	N/A
69	CV210	Hydrogen Dilution System Supply	N/A
71A #	CV2000B	Containment Pressure Sensor	N/A
71C	CF16	Core Flood Tank Nitrogen Fill Line	N/A
72A #	CV2001B	Containment Pressure Sensor	N/A
72C #	CV624B	Containment Pressure Differential Transmitter	N/A
73A #	CV2002B	Containment Pressure Sensor	N/A
73C #	CV645B	Containment Pressure Differential Transmitter	N/A
74A #	CV2003B	Containment Pressure Sensor	N/A
*74C	DH2735	Pressurizer Auxiliary Spray	N/A
*74C	DH2736	Pressurizer Auxiliary Spray	N/A

\*May be opened on an intermittent basis under administrative control.

#Not subject to Type C leakage tests.

\*\*Surveillance testing not required prior to entering MODE 4 but shall be performed prior to entering Mode 3.

##Provisions of Specification 3.0.4 are not applicable provided the valve is in the closed positions and deactivated.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
SUPPORTING AMENDMENT NO. 31 TO FACILITY OPERATING LICENSE NO. NPF-3

THE TOLEDO EDISON COMPANY

AND

THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

DAVIS-BESSE NUCLEAR POWER STATION, UNIT NO. 1

DOCKET NO. 50-346

Introduction

In a letter dated August 22, 1980, the Toledo Edison Company (TECo) requested an amendment to Facility Operating License No. NPF-3 for the Davis-Besse Nuclear Power Station, Unit No. 1, which would modify Limiting Conditions for Operation (LCO's) for the Containment Purge and Exhaust Isolation Valves. The amendment would allow the plant, which is in cold shutdown, to heatup and operate at power with these valves inoperable. In telephone conversations with the TECo staff, we have determined that the operators for two valves (both outside containment) are currently inoperable, and new equipment cannot be procured in time for the projected start-up of the plant.

Discussion and Evaluation

The purpose of the Containment Purge System is to provide a source of clean fresh air to the containment whenever personnel access is desired. The Containment Purge and Exhaust Isolation Valves are utilized to assure that any radioactive material in the containment atmosphere is prevented from reaching the environment.

The Technical Specifications (TSs) impose certain operating restrictions on the purge and exhaust isolation valves. TS Section 3.6.1.7 requires that these valves be shut when the plant is in Modes 1 through 4, although the applicable Action statement allows the valves to be open in these modes provided the accumulated open time is less than 90 hours for the previous 365 days. TS Section 3.6.3.1 and its associated Table 3.6-2 require all containment isolation valves to be operable with minimum specified closing times. The Action statement for this section requires that, with any isolation valve inoperable, one of four actions must be accomplished:

- "a. Restore the inoperable valve(s) to OPERABLE status within 4 hours; or
- b. Isolate each affected penetration within 4 hours by use of at least one deactivated automatic valve secured in the isolation position; or
- c. Isolate each affected penetration within 4 hours by use of at least one closed manual valve or blind flange; or
- d. Be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours."

With action b or c taken while in Mode 1, 2, 3 or 4, unlimited continued operation in that mode is allowable. However, TS Section 3.0.4 applies in this case, which prohibits entry into a higher mode of operation unless the LCO can be met without reliance on the provisions contained in the Action statement.

In its August 22, 1980, submittal, TECo requested that the provisions of TS Section 3.0.4 be made not applicable to the operability of the purge and exhaust isolation valves. This would permit the plant to commence heatup and proceed to Mode 1 (the plant is currently in Mode 5) with inoperable valves so long as the purge penetrations have been rendered passive by completing Action statement b or c of TS Section 3.6.3.1. TECo states that the release of radioactive material to the environment with the valves in this condition will be consistent with the assumptions used in Loss of Coolant Accident (LOCA) analyses, and that the imposition of TS Section 3.0.4 for these valves may be eliminated.

Having reviewed the licensee's submittal, we consider that as long as the Action statement part b or c of TS Section 3.6.3.1 is taken with respect to the purge and exhaust valves, the valves are in the safe position for LOCAs or any other event which would release radioactivity to the containment. Operation in any mode as well as entry into any mode need not be precluded by inoperability of the valves so long as the Action statement is fulfilled. We find TECo's proposal to be acceptable.

#### 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.

#### 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 accidents previously considered and does not involve a significant decrease in a safety margin, 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: September 8, 1980