

September 24, 1997

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Mr. Lew W. Myers  
 Vice President - Nuclear, Perry  
 Centerior Service Company  
 P.O. Box 97, A200  
 Perry, OH 44081

SUBJECT: AMENDMENT NO. 89 TO FACILITY OPERATING LICENSE NO. NPF-58 - PERRY  
 NUCLEAR POWER PLANT, UNIT NO. 1 (TAC NO. M98540)

Dear Mr. Myers:

The Commission has issued the enclosed Amendment No. 89 to Facility Operating License No. NPF-58 for the Perry Nuclear Power Plant, Unit No. 1. This amendment revises the Technical Specifications (TS) in response to your application dated May 2, 1997.

This amendment revises an existing exception to Limiting Condition for Operation (LCO) 3.0.4 as it applies to LCO 3.6.1.9 for the main steam isolation valve (MSIV) leakage control system (LCS) by making the exception permanent and clarifying that it only applies for the inboard MSIV LCS subsystem.

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

Sincerely,

ORIGINAL SIGNED BY:

Jon B. Hopkins, Senior Project Manager  
 Project Directorate III-3  
 Division of Reactor Projects III/IV  
 Office of Nuclear Reactor Regulation

Docket No. 50-440

- Enclosures: 1. Amendment No. 89 to License No. NPF-58  
 2. Safety Evaluation

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DOCUMENT NAME: G:\PERRY\P98540.AMD

OFFICE	PD33:PM	E	PD33:LA	E	SCSB <i>CHP</i>	OGC	SPLB 147 #2
NAME	JHopkins		CBoyle <i>eyb</i>		CBerlinger	<i>CMarcus</i>	LMarsh <i>LMarsh</i>
DATE	08/14/97		09/24/97		08/19/97	08/16/97	08/14/97

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

September 24, 1997

Mr. Lew W. Myers  
Vice President - Nuclear, Perry  
Centerior Service Company  
P.O. Box 97, A200  
Perry, OH 44081

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Sincerely,

A handwritten signature in black ink that reads "Jon B. Hopkins".

Jon B. Hopkins, Senior Project Manager  
Project Directorate III-3  
Division of Reactor Projects III/IV  
Office of Nuclear Reactor Regulation

Docket No. 50-440

Enclosures: 1. Amendment No. 89 to  
License No. NPF-58  
2. Safety Evaluation

cc w/encls: See next page

L. Myers  
Centerior Service Company

cc:

Jay E. Silberg, Esq.  
Shaw, Pittman, Potts & Trowbridge  
2300 N Street, NW.  
Washington, DC 20037

Mary E. O'Reilly  
Centerior Energy Corporation  
300 Madison Avenue  
Toledo, OH 43652

Resident Inspector's Office  
U.S. Nuclear Regulatory Commission  
P.O. Box 331  
Perry, OH 44081-0331

Regional Administrator, Region III  
U.S. Nuclear Regulatory Commission  
801 Warrenville Road  
Lisle, IL 60532-4531

Lake County Prosecutor  
Lake County Administration Bldg.  
105 Main Street  
Painesville, OH 44077

Sue Hiatt  
OCRE Interim Representative  
8275 Munson  
Mentor, OH 44060

Terry J. Lodge, Esq.  
618 N. Michigan Street, Suite 105  
Toledo, OH 43624

Ashtabula County Prosecutor  
25 West Jefferson Street  
Jefferson, OH 44047

Henry L. Hegrat  
Regulatory Affairs Manager  
Cleveland Electric Illuminating Co.  
Perry Nuclear Power Plant  
P.O. Box 97, A210  
Perry, OH 44081

James R. Williams  
Chief of Staff  
Ohio Emergency Management Agency  
2855 West Dublin Granville Road  
Columbus, OH 43235-2206

Mayor, Village of Perry  
4203 Harper Street  
Perry, OH 44081

Perry Nuclear Power Plant  
Unit Nos. 1 and 2

Roy P. Lessy, Jr.  
Akin, Gump, Strauss, Hauer  
and Feld, L.L.P.  
1333 New Hampshire Ave., NW.  
Suite 400  
Washington, DC 20036

Radiological Health Program  
Ohio Department of Health  
P.O. Box 118  
Columbus, OH 43266-0118

Ohio Environmental Protection  
Agency  
DERR--Compliance Unit  
ATTN: Mr. Zack A. Clayton  
P.O. Box 1049  
Columbus, OH 43266-0149

Chairman  
Perry Township Board of Trustees  
3750 Center Road, Box 65  
Perry, OH 44081

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

William R. Kanda, Jr., Plant Manager  
Cleveland Electric Illuminating Co.  
Perry Nuclear Power Plant  
P.O. Box 97, SB306  
Perry, OH 44081

Donna Owens, Director  
Ohio Department of Commerce  
Division of Industrial Compliance  
Bureau of Operations & Maintenance  
6606 Tussing Road  
P.O. Box 4009  
Reynoldsburg, OH 43068-9009

Mayor, Village of North Perry  
North Perry Village Hall  
4778 Lockwood Road  
North Perry Village, OH 44081

Attorney General  
Department of Attorney General  
30 East Broad Street  
Columbus, OH 43216



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

THE CLEVELAND ELECTRIC ILLUMINATING COMPANY, ET AL.

DOCKET NO. 50-440

PERRY NUCLEAR POWER PLANT, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 89  
License No. NPF-58

1. The U.S. Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by The Cleveland Electric Illuminating Company, Centerior Service Company, Duquesne Light Company, Ohio Edison Company, OES Nuclear, Inc., Pennsylvania Power Company, and Toledo Edison Company (the licensees) dated May 2, 1997, 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-58 is hereby amended to read as follows:

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(2) Technical Specifications

The Technical Specifications contained in Appendix A and the Environmental Protection Plan contained in Appendix B, as revised through Amendment No. 89, are hereby incorporated into this license. The Cleveland Electric Illuminating Company shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

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



Jon B. Hopkins, Senior 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: September 24, 1997

ATTACHMENT TO LICENSE AMENDMENT NO. 89

FACILITY OPERATING LICENSE NO. NPF-58

DOCKET NO. 50-440

Replace the following page of the Appendix "A" Technical Specifications with the attached page. The revised page is identified by Amendment number and contains vertical lines indicating the area of change.

Remove

3.6-27

Insert

3.6-27

3.6 CONTAINMENT SYSTEMS

3.6.1.9 Main Steam Isolation Valve (MSIV) Leakage Control System (LCS)

LCO 3.6.1.9 Two MSIV LCS subsystems shall be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One MSIV LCS subsystem inoperable.	A.1 -----NOTE----- LCO 3.0.4 is not applicable for the inboard MSIV LCS subsystem. ----- Restore MSIV LCS subsystem to OPERABLE status.	30 days
B. Two MSIV LCS subsystems inoperable.	B.1 Restore one MSIV LCS subsystem to OPERABLE status.	7 days
C. Required Action and associated Completion Time not met.	C.1 Be in MODE 3. <u>AND</u> C.2 Be in MODE 4.	12 hours  36 hours





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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 89 TO FACILITY OPERATING LICENSE NO. NPF-58  
THE CLEVELAND ELECTRIC ILLUMINATING COMPANY, ET AL.  
PERRY NUCLEAR POWER PLANT, UNIT NO. 1  
DOCKET NO. 50-440

1.0 INTRODUCTION

By letter dated May 2, 1997, The Cleveland Electric Illuminating Co. (the licensee) proposed a change to the Technical Specifications (TS) for the Perry Nuclear Power Plant. The proposed change revises an existing exception to Limiting Condition for Operation (LCO) 3.0.4 as it applies to LCO 3.6.1.9 for the main steam isolation valve (MSIV) leakage control system (LCS) by making the exception permanent and clarifying that it only applies to the inboard MSIV LCS subsystem.

The LCO 3.0.4 exception was initially added to the TS by Amendment No. 63 for one operating cycle (fifth operating cycle), and was then extended for an additional cycle (sixth operating cycle) by Amendment No. 71. It was anticipated that the MSIV LCS would be removed during the sixth refueling outage (RFO6); however, the NRC has not been able to review the submittal of August 27, 1996, on a schedule that would allow such removal during RFO6.

2.0 EVALUATION

During RFO4, the outboard MSIV before-seat drain lines were sealed off to eliminate a previously unidentified and unanalyzed path for secondary containment bypass leakage. The modification introduced a situation wherein the inboard MSIV LCS subsystem is considered inoperable in Operational Conditions 1, 2, and 3 below 50 percent power. The inoperability is due to accumulated water from condensation at low steam flows. Above 50 percent power, the water is swept out by the velocity of the steam flow and both the outboard and inboard LCS subsystems will be operable.

There are drain connections downstream of the outboard MSIVs that will drain condensate to the condenser during power operation. Therefore, no damage to the turbine will result from any condensed water. Also, MSIV performance will not be affected by the accumulated condensation.

The action statement remains the same, requiring plant shutdown if the inoperable LCS cannot be restored within 30 days. The TS action statement allows 30 days to restore an inoperable LCS subsystem if a subsystem is discovered to be inoperable while the plant is in Operational Conditions 1, 2, and 3. The exception to LCO 3.0.4 for the inboard LCS remains intact and will, therefore, permit power ascension with an inoperable LCS. Plant

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operational flexibility is not anticipated to be impacted because plant startup and power ascension from Operational Condition 3 to greater than 50 percent power is expected to be accomplished in less than 30 days. Therefore, based on the above, the NRC staff finds that the continued LCO 3.0.4 exception for the inboard MSIV LCS subsystem only, is acceptable.

### 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 involves a change to a requirement with respect to the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluent that may be released offsite and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that this amendment involves no significant hazards consideration and there has been no public comment on such finding (62 FR 33135). Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this 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: J. Hopkins

Date: September 24, 1997