

August 21, 1997

Ms. Irene Johnson, Acting Manager
Nuclear Regulatory Services
Commonwealth Edison Company
Executive Towers West III
1400 Opus Place, Suite 500
Downers Grove, IL 60515

SUBJECT: ISSUANCE OF AMENDMENTS (TAC NOS. M98185 AND M98186)

Dear Ms. Johnson:

The U.S. Nuclear Regulatory Commission (Commission) has issued the enclosed Amendment No. 161 to Facility Operating License No. DPR-19 and Amendment No. 156 to Facility Operating License No. DPR-25 for Dresden, Units 2 and 3. The amendments are in response to your application dated March 18, 1997.

The amendments revise the Technical Specifications (TS) to increase the High Pressure Coolant Injection (HPCI) system low pressure isolation setpoint from greater than 80 psig to greater than 100 psig.

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

Sincerely,

Original Signed By:

John F. Stang, Senior Project Manager
Project Directorate III-2
Division of Reactor Projects - III/IV
Office of Nuclear Reactor Regulation

Docket Nos. 50-237 and 50-249

Enclosures: 1. Amendment No. 161 to DPR-19
2. Amendment No. 156 to DPR-25
3. Safety Evaluation

cc w/encl: see next page

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*CONCURRENCE PROVIDED BY MEMO DATED 7/15/97

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I. Johnson
Commonwealth Edison Company

Dresden Nuclear Power Station
Unit Nos. 2 and 3

cc:

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

COMMONWEALTH EDISON COMPANY

DOCKET NO. 50-237

DRESDEN NUCLEAR POWER STATION, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 161
License No. DPR-19

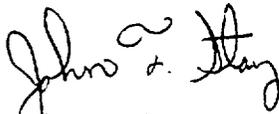
1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by the Commonwealth Edison Company (the licensee) dated March 18, 1997, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules 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. DPR-19 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 161, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance and shall be implemented within 30 days.

FOR THE NUCLEAR REGULATORY COMMISSION



John F. Stang, Senior Project Manager
Project Directorate III-2
Division of Reactor Projects - III/IV
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: August 21, 1997



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

COMMONWEALTH EDISON COMPANY
DOCKET NO. 50-249
DRESDEN NUCLEAR POWER STATION, UNIT 3
AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 156
License No. DPR-25

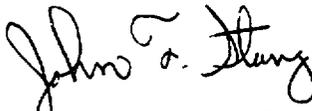
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 - B. The facility will operate in conformity with the application, the provisions of the Act and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted 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 3.B. of Facility Operating License No. DPR-25 is hereby amended to read as follows:

B. Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 156, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance and shall be implemented within 30 days.

FOR THE NUCLEAR REGULATORY COMMISSION



John F. Stang, Senior Project Manager
Project Directorate III-2
Division of Reactor Projects - III/IV
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: August 21, 1997

ATTACHMENT TO LICENSE AMENDMENT NOS. 161 AND 156

FACILITY OPERATING LICENSE NOS. DPR-19 AND DPR-25

DOCKET NOS. 50-237 AND 50-249

Revise the Appendix A Technical Specifications by removing the page identified below and inserting the attached page. The revised page is identified by the captioned amendment number and contains a marginal line indicating the area of change.

REMOVE

3/4.2-4

INSERT

3/4.2-4

TABLE 3.2.A-1 (Continued)

ISOLATION ACTUATION INSTRUMENTATION

<u>Functional Unit</u>	<u>Trip Setpoint⁽ⁱ⁾</u>	<u>Minimum CHANNEL(s) per TRIP SYSTEM^(e)</u>	<u>Applicable OPERATIONAL MODE(s)</u>	<u>ACTION</u>	
4.	<u>REACTOR WATER CLEANUP SYSTEM ISOLATION</u>				
a.	Standby Liquid Control System Initiation ^(f)	NA	NA	1, 2, 3	23
b.	Reactor Vessel Water Level - Low	≥ 144 inches	2	1, 2, 3	23
5.	<u>ISOLATION CONDENSER ISOLATION</u>				
a.	Steam Flow - High	$\leq 300\%$ of rated steam flow	1	1, 2, 3	23
b.	Return Flow - High	≤ 32 (Unit 2)/ ≤ 14.8 (Unit 3) inches water diff.	1	1, 2, 3	23
6.	<u>HIGH PRESSURE COOLANT INJECTION ISOLATION</u>				
a.	Steam Flow - High	$\leq 300\%$ of rated steam flow ^(h)	1	1, 2, 3	23
b.	Reactor Vessel Pressure - Low	≥ 100 psig	2	1, 2, 3	23
c.	Area Temperature - High	$\leq 200^\circ\text{F}$	4 ⁽ⁱ⁾	1, 2, 3	23



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 161 TO FACILITY OPERATING LICENSE NO. DPR-19
AND AMENDMENT NO. 156 TO FACILITY OPERATING LICENSE NO. DPR-25
COMMONWEALTH EDISON COMPANY
DRESDEN NUCLEAR POWER STATION, UNITS 2 AND 3
DOCKET NOS. 50-237 AND 50-249

1.0 INTRODUCTION

By letter March 18, 1997, Commonwealth Edison Company (ComEd, the licensee) submitted an application for amendment to the Dresden, Units 2 and 3, Technical Specifications (TS). The proposed amendment would increase the High Pressure Coolant Injection (HPCI) system low reactor vessel pressure isolation setpoint in TS Table 3.2.A.1, "Isolation Actuation Instrumentation" from "greater than 80 psig" to "greater than 100 psig." The proposed TS change will make the TS consistent with the Dresden Updated Final Safety Analysis Report (UFSAR) and the design basis documents associated with the HPCI system.

2.0 EVALUATION

The purpose of the HPCI system is to maintain reactor vessel water inventory after a small loss-of-coolant accident (LOCA) which does not depressurize the reactor vessel. The HPCI low reactor vessel pressure isolation function is provided to prevent damage to the HPCI turbine when reactor steam pressure has decreased below that required to provide adequate motive force to operate the HPCI turbine. The HPCI system is described in the Dresden UFSAR section 6.3.3.1.3.2 as being capable of delivering full rated flow down to a reactor pressure of 165 psig. In section 6.3.2.3.3.4, the UFSAR states that HPCI isolation will occur on a HPCI steam line pressure of 100 psig. The current TS value for this isolation is 80 psig. The proposed TS change will correct this error and the TS will be the same as the design basis documentation for the HPCI system.

The licensee stated in their application that the low pressure isolation is not an assumed initiator or creator of any previously analyzed accident at Dresden, and the increased setpoint remains well below the reactor vessel pressure at which the HPCI system is required to perform its intended safety function. On these bases, the staff finds the proposed change to the TS acceptable.

3.0 STATE CONSULTATION

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

4.0 ENVIRONMENTAL CONSIDERATION

The amendments change 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 NRC staff has determined that the amendments involve no significant increase in the amounts, and no significant change in the types, of any effluents 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 the amendments involve no significant hazards consideration, and there has been no public comment on such finding (62 FR 17228). Accordingly, the amendments meet 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 the amendments.

5.0 CONCLUSION

The Commission 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 the amendments will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: G. Golub

Date: August 21, 1997