

February 25, 1998

Mr. Oliver D. Kingsley, President  
Nuclear Generation Group  
Commonwealth Edison Company  
Executive Towers West III  
1400 Opus Place, Suite 500  
Downers Grove, IL 60515

SUBJECT: ISSUANCE OF AMENDMENTS (TAC NOS. MA0286 AND MA0287)

Dear Mr. Kingsley:

The U.S. Nuclear Regulatory Commission (Commission) has issued the enclosed Amendment No. 165 to Facility Operating License No. DPR-19 and Amendment No. 160 to Facility Operating License No. DPR-25 for Dresden, Units 2 and 3. The amendments are in response to your application dated November 7, 1997.

The amendments remove the 24/48 Volt direct current (Vdc) batteries and associated charger and distribution systems from the Unit 2 Technical Specifications (TS). All safety-related loads associated with the 24/48 Vdc batteries for Unit 2 will be connected to other safety related battery systems which are in the TS. In Amendment Nos. 156 and 151 for Dresden, Units 2 and 3, respectively, the staff approved the removal of the 24/48 Vdc battery system from the Unit 3 TS.

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,

Orig. 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. 165 to DPR-19  
2. Amendment No. 160 to DPR-25  
3. Safety Evaluation



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

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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,

A handwritten signature in cursive script that reads "John F. Stang".

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. 165 to DPR-19  
2. Amendment No. 160 to DPR-25  
3. Safety Evaluation

cc w/encl: see next page

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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. 165  
License No. DPR-19

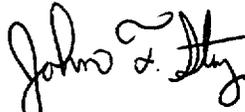
1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by the Commonwealth Edison Company (the licensee) dated November 7, 1997, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's 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. 165, 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: February 25, 1998



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. 160  
License No. DPR-25

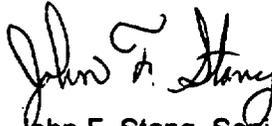
1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by the Commonwealth Edison Company (the licensee) dated November 7, 1997, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's 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 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. 160, 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: February 25, 1998

ATTACHMENT TO LICENSE AMENDMENT NOS. 165 AND 160

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 pages identified below and inserting the attached pages. The revised pages are identified by the captioned amendment number and contain marginal lines indicating the area of change.

REMOVE

3/4.9-12

3/4.9-16

3/4.9-18

3/4.9-20

INSERT

3/4.9-12

3/4.9-16

3/4.9-18

3/4.9-20

3.9 - LIMITING CONDITIONS FOR OPERATION

4.9 - SURVEILLANCE REQUIREMENTS

C. D.C. Sources - Operating

As a minimum, the following D.C. electrical power sources shall be OPERABLE with the identified parameters within the limits specified in Table 4.9.C-1:

1. Two station 250 volt batteries, each with a full capacity charger.
2. Two station 125 volt batteries, each with a full capacity charger.

APPLICABILITY:

OPERATIONAL MODE(s) 1, 2, and 3.

ACTION:

1. With one of the above required 250 volt station batteries and/or chargers inoperable, restore the inoperable equipment to OPERABLE status within 2 hours<sup>(b)</sup>.

C. D.C. Sources - Operating

Each of the required 125 volt and 250 volt batteries and chargers shall be demonstrated OPERABLE<sup>(a)</sup>:

1. At least once per 7 days by verifying that:
  - a. The parameters in Table 4.9.C-1 meet Category A limits, and
  - b. There is correct breaker alignment to the battery chargers and total battery terminal voltage is  $\geq 125.9$  or  $\geq 260.4$  volts, as applicable, on float charge.
2. At least once per 92 days and within 7 days after a battery discharge with a battery terminal voltage below 105 or 210 volts, as applicable, or battery overcharge with battery terminal voltage above 150 or 300 volts, as applicable, by verifying that:
  - a. The parameters in Table 4.9.C-1 meet the Category B limits,
  - b. There is no visible corrosion at either terminals or connectors, or the connection resistance of these items is  $\leq 150 \times 10^{-6}$  ohms or  $\leq 20\%$  above baseline connection resistance, whichever is higher, and

- 
- a. An alternate 125 volt battery shall adhere to these same Surveillance Requirements to be considered OPERABLE, except the Unit 2 total battery terminal voltage on float charge shall be verified weekly as  $\geq 130.2$  volts.
  - b. Each 250 volt battery may be inoperable for a maximum of seven days per operating cycle for maintenance or testing. If it is determined that a 250 volt battery need be replaced as a result of maintenance or testing, a specific battery may be inoperable for an additional seven days per operating cycle.

3.9 - LIMITING CONDITIONS FOR OPERATION

4.9 - SURVEILLANCE REQUIREMENTS

D. D.C. Sources - Shutdown

D. D.C. Sources - Shutdown

As a minimum, the following D.C. electrical power sources shall be OPERABLE:

The required batteries and chargers shall be demonstrated OPERABLE<sup>(a)</sup> per the surveillance requirements in Specification 4.9.C.

1. One station 250 volt battery with a full capacity charger.
2. One station 125 volt battery with a full capacity charger.

APPLICABILITY:

OPERATIONAL MODE(s) 4 and 5, and when handling irradiated fuel in the secondary containment.

ACTION:

With any of the above required station batteries and/or associated charger(s) inoperable, suspend CORE ALTERATIONS, suspend handling of irradiated fuel in the secondary containment, and suspend operations with a potential for draining the reactor vessel.

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a An alternate 125 volt battery shall adhere to these same Surveillance Requirements to be considered OPERABLE, except the Unit 2 total battery terminal voltage on float charge shall be verified weekly as  $\geq 130.2$  volts.

3.9 - LIMITING CONDITIONS FOR OPERATION

4.9 - SURVEILLANCE REQUIREMENTS

4. For Unit 3, 125 volt D.C. power distribution, consisting of:
  - a. TB Main Bus Nos. 2A-1, 3A and 3A-1,
  - b. TB Res. Bus Nos. 3B and 3B-1, and
  - c. RB Distribution Panel No. 3.

APPLICABILITY:

OPERATIONAL MODE(s) 1, 2, and 3.

ACTIONS:

1. With one of the above required A.C. distribution systems not energized, re-energize the system within 8 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
2. With one of the above required D.C. distribution systems not energized, re-energize the system within 2 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.

3.9 - LIMITING CONDITIONS FOR OPERATION

4.9 - SURVEILLANCE REQUIREMENTS

APPLICABILITY:

OPERATIONAL MODE(s) 4, 5, and when handling irradiated fuel in the secondary containment.

ACTIONS:

With less than the above required A.C. or D.C. distribution systems energized, suspend CORE ALTERATIONS, suspend handling of irradiated fuel in the secondary containment, and suspend operations with a potential for draining the reactor vessel.



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 165 TO FACILITY OPERATING LICENSE NO. DPR-19  
AND AMENDMENT NO. 160 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 dated November 7, 1997, Commonwealth Edison Company (ComEd, the licensee) submitted a license amendment requesting a change to the Technical Specifications (TS) to remove the Unit 2 24/48 Volt direct current (Vdc) batteries, battery changers and distribution systems from the TS.

At Dresden Nuclear Power Station, during the last Unit 3 refueling outage (D3R14) all safety related loads associated with the Unit 3 24/48 Vdc batteries were removed and placed on the Unit 3 125 Vdc batteries. Because the Unit 3, 24/48 Vdc system would no longer provide a safety-related function, ComEd requested to remove the TS requirements for the 24/48 Vdc batteries, chargers, and distribution systems and relocate all operability and surveillance requirements associated with the batteries to licensee-controlled documents. The staff, on April 10, 1997, issued Amendment Nos. 156 and 151 for Dresden, Units 2 and 3, respectively, approving the proposed license amendments.

The licensee is planning to perform similar modifications on the Unit 2, 24/48 Vdc batteries in the upcoming Unit 2 refueling outage (D2R15) which is scheduled to begin in March 1998.

2.0 EVALUATION

The proposed amendment would delete the 24/48 volt batteries, chargers, and distribution systems from the Dresden TS for Unit 2. The proposed change will affect TS for the DC sources required for operation by TS Section (3.9.C), the DC sources required for shutdown by TS Section (3.9.D), the distribution systems required for operation by TS Section (3.9.E), the distribution systems required during shutdown by TS Section (3.9.F), and the associated surveillance requirements for the respective operating conditions.

Currently, the Unit 2 power source for the Division I Analog Trip System (ATS) loads are the only remaining safety-related loads supplied by the 24/48 Vdc system. The licensee is planning to relocate the Division I ATS loads to the safety-related 125 Vdc system which is in the TS. Removal of the ATS loads from the Unit 2 24/48 Vdc system removes the only loads required for safe shutdown. The remaining loads on the Unit 2 24/48 Vdc batteries do not provide a safety function. Therefore, the Unit 2 24/48 Vdc batteries will no longer satisfy the criteria for inclusion in the TS as specified in 10 CFR 50.36.

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The proposed amendments would also remove the footnotes added to the TS in Amendment Nos. 156 and 151 which allowed removal of only the Unit 3 24/48 Vdc battery system from the TS. The footnotes were added to the TS to indicate that the 24/48 Vdc battery requirements were applicable to only Dresden Unit 2. With the removal of the Unit 2 24/48 Vdc battery requirements from the TS the footnotes are no longer applicable and can be removed.

### 3.0 SUMMARY

The removal of the 24/48 Vdc system from the TS for Unit 2 is found to be acceptable because the system no longer provides a safety-related function. Additionally, the staff finds the removal of the footnotes added to the Dresden TS specifying applicability of the 24/48 Vdc system to Unit 2 acceptable. Based on the above, the staff finds the proposed TS changes acceptable.

### 4.0 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.

### 5.0 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 and change surveillance requirements. 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 (63 FR 2277). 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.

### 6.0 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: John Stang

Date: February 25, 1998