

September 27, 1990

Docket No. 50-333

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Mr. John C. Brons  
Executive Vice President - Nuclear Generation  
Power Authority of the State of New York  
123 Main Street  
White Plains, New York 10601

Dear Mr. Brons:

SUBJECT: ISSUANCE OF AMENDMENT FOR FITZPATRICK (TAC NO. 76179)

The Commission has issued the enclosed Amendment No. 165 to Facility Operating License No. DPR-59 for the James A. FitzPatrick Nuclear Power Plant. The amendment consists of changes to the Technical Specifications in response to your application transmitted by letter dated March 13, 1990.

The amendment revises Surveillance Requirement 4.9.F.6 to correctly identify the location of the Independent Power Supplies circuit breakers.

A copy of the related Safety Evaluation is enclosed. A Notice of Issuance will be included in the Commission's next regular bi-weekly Federal Register notice.

Sincerely,

ORIGINAL SIGNED BY:

David E. LaBarge, Project Manager  
Project Directorate I-1  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 165 to DPR-59
2. Safety Evaluation

cc: w/enclosures

See next page

PDI-1 w  
CVogan  
8-22-90

PDI-1 *DL*  
DLaBarge:rsc  
8/23/90

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FRosa  
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OGC *OGC*  
9/14/90  
PDI-1 *DL*  
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9/27/90

DOCUMENT NAME: Issuance of Amend 76179

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

September 27, 1990

Docket No. 50-333

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Executive Vice President - Nuclear Generation  
Power Authority of the State of New York  
123 Main Street  
White Plains, New York 10601

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Sincerely,

A handwritten signature in black ink, appearing to read "D. LaBarge", written over a horizontal line.

David E. LaBarge, Project Manager  
Project Directorate I-1  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 165 to DPR-59
2. Safety Evaluation

cc: w/enclosures  
See next page

Mr. John C. Brons  
Power Authority of the State of New York

James A. FitzPatrick Nuclear  
Power Plant

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New York, New York 10271



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

POWER AUTHORITY OF THE STATE OF NEW YORK

DOCKET NO. 50-333

JAMES A. FITZPATRICK NUCLEAR POWER PLANT

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 165  
License No. DPR-59

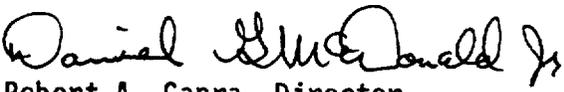
1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Power Authority of the State of New York (the licensee) dated March 13, 1990, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's 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-59 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, 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 to be implemented within 30 days.

FOR THE NUCLEAR REGULATORY COMMISSION

  
for Robert A. Capra, Director  
Project Directorate I-1  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: September 27, 1990

ATTACHMENT TO LICENSE AMENDMENT NO. 165

FACILITY OPERATING LICENSE NO. DPR-59

DOCKET NO. 50-333

Revise Appendix A as follows:

Remove Page

222a

Insert Page

222a

**JAFNPP**

3.9 (cont'd)

4.9 (cont'd)

**F. LPCI MOV Independent Power Supplies**

**F. LPCI MOV Independent Power Supplies**

1. Every week the specific gravity, voltage and temperature of each pilot cell, and overall battery voltage shall be measured and chargers and inverters shall be visually inspected.
2. Every three months the following measurements shall be made:
  - a. Voltage of each cell to the nearest of 0.01v;
  - b. Specific gravity of each cell;
  - c. Temperature of every fifth cell.
3. Once each operating cycle not to exceed 18 months the battery shall be subjected to a service test as defined in Reg. Guide 1.129 (Batteries).
4. Once each 5-year interval the battery shall be subjected to a performance discharge test as defined in Reg. Guide 1.129 (Batteries).
5. Each battery charger and inverter shall be visually inspected weekly and a performance test conducted each operating cycle not to exceed 18 months.
6. Once/month: open the battery charger A-C input breakers one at a time and observe performance for proper operation.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 165 TO FACILITY OPERATING LICENSE NO. DPR-59

POWER AUTHORITY OF THE STATE OF NEW YORK

JAMES A. FITZPATRICK NUCLEAR POWER PLANT

DOCKET NO. 50-333

INTRODUCTION

By letter dated March 13, 1990, the Power Authority of the State of New York (PASNY or the licensee) submitted an amendment for changes to the Technical Specifications (TS) for the James A. FitzPatrick Nuclear Power Plant. The change would revise Surveillance Requirement 4.9.F.6 to correctly identify the location of the circuit breakers used to perform the monthly operability test of the Independent Power Supply (IPS) associated with each Low Pressure Coolant Injection (LPCI) system. The present TS indicate that the circuit breakers are located on the output of the IPS battery chargers. However, they are actually located at the alternating current (AC) input to the IPS battery chargers. In addition, a change to Specification 4.9.F.2.a would replace a colon with a semicolon at the end of the specification.

EVALUATION

Each of the two IPSs consists of a battery to supply power to an inverter which is capable of converting the direct current (DC) from the battery to AC when the Residual Heat Removal system is used in the LPCI mode. Normally the battery is maintained in a charged condition by a rectifier/charger whose input breaker is powered from an emergency AC bus and opens when a condition which requires automatic startup of the LPCI system is detected.

The AC output from the respective IPS provides power, independent of other station power supply systems, which can be used to operate the three LPCI injection motor operated valves (MOVs) in each LPCI loop (10-MOV25A, 10-MOV27A, 10-MOV66A, 10-MOV25B, 10-MOV27B, 10-MOV66B) and the recirculation loop (02-MOV43A, 02-MOV53A, 02-MOV43B and 02-MOV53B). In the event of a loss of coolant accident (LOCA), the IPS rectifier/charger input breaker is automatically opened to isolate the IPS from the emergency AC power system prior to automatic operation of the valves.

TS Surveillance Section 4.9.F.6 requires that a monthly test of each IPS be performed to verify proper operation of the battery and inverter. The test is performed by opening the same AC input breaker to the rectifier/charger which would open automatically should a LPCI automatic startup condition be detected and then verifying that proper IPS output voltage and frequency are maintained. The present TS section incorrectly identifies this breaker as the battery charger output breaker.

### SUMMARY

The proposed change to Specification 4.9.F.6 consists of a minor correction to an error which exists in the identification of the proper breaker that is used to perform the surveillance test that is designed to ensure operability of the IPSs. The proposed change is consistent with the system description and operation contained in the Final Safety Analysis Report and in system drawings and procedures. The change does not alter the methodology or frequency of the surveillance test as detailed in the present procedures, nor does it affect plant operation. The change is, therefore, acceptable.

The change to Specification 4.9.F.2.a to replace a colon with a semicolon at the end of the statement corrects a grammatical error. This change had no effect on the Federal Register notice and is acceptable.

### ENVIRONMENTAL CONSIDERATION

This amendment involves a change to a surveillance requirement. The staff has determined that the amendment involves 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 this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR Sec 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.

### CONCLUSION

We have 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, and (2) 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 27, 1990

PRINCIPAL CONTRIBUTOR:

D. LaBarge