

September 25, 1989

Docket No. 50-333

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

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Dear Mr. Brons:

SUBJECT: ISSUANCE OF AMENDMENT (TAC NO. 73041)

The Commission has issued the enclosed Amendment No. 138 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 April 24, 1989.

The amendment removes the requirement to perturb the reactor vessel water level instruments as part of the monthly functional test of the reactor water level scram instruments.

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. 138 to DPR-59
2. Safety Evaluation

cc: w/enclosures
See next page

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[AMEND 73041]

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* Changes as
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9/25/89



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

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Sincerely,

A handwritten signature in cursive script, reading "De LaBarge", is written over the typed name.

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

Enclosures:

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2. Safety Evaluation

cc: w/enclosures
See next page

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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. 138
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 April 24, 1989, 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.138, 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

Robert A. Capra

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 25, 1989

ATTACHMENT TO LICENSE AMENDMENT NO. 138.

FACILITY OPERATING LICENSE NO. DPR-59

DOCKET NO. 50-333

Revise Appendix A as follows:

Remove Pages

44
45a

Insert Pages

44
45a

JAFNPP
Table 4.1-1
REACTOR PROTECTION SYSTEM (SCRAM) INSTRUMENT FUNCTIONAL TEST
MINIMUM FUNCTIONAL TEST FREQUENCIES FOR SAFETY INSTRUMENT AND CONTROL CIRCUITS

Instrument Channel	Group	Functional Test	Minimum Frequency (3)
Mode Switch in Shutdown	A	Place Mode Switch in Shutdown	Each refueling outage.
Manual Scram	A	Trip Channel and Alarm	Every 3 months.
RPS Channel Test Switch	A	Trip Channel and Alarm	Every refueling outage or after channel maintenance.
IRM			
High Flux	C	Trip Channel and Alarm (4)	Once per week during refueling or startup and before each startup.
IRM			
Inoperative	C	Trip Channel and Alarm (4)	Once per week during refueling or startup and before each startup.
APRM			
High Flux	B	Trip Output Relays (4)	Once/week.
Inoperative	B	Trip Output Relays (4)	Once/week.
Downscale	B	Trip Output Relays (4)	Once/week.
Flow Bias	B	Calibrate Flow Bias Signal (4)	Once/month (1).
High Flux in Startup or Refuel	C	Trip Output Relays (4)	Once per week during refueling or startup and before each startup.
High Reactor Pressure	B	Trip Channel and Alarm (4)	Once/month. (1)(8)
High Drywell Pressure	B	Trip Channel and Alarm (4)	Once/month. (1)(8)
Reactor Low Level	B	Trip Channel and Alarm (4)	Once/month. (1)(8)
High Water Level in Scram Discharge Instrument Volume	A	Trip Channel	Once/month. (7)
High Water Level in Scram Discharge Instrument Volume	B	Trip Channel and Alarm (4)	Once/month. (1)(8)

JAFNPP

Table 4.1-1 (Cont'd)

REACTOR PROTECTION SYSTEM (SCRAM) INSTRUMENT FUNCTIONAL TEST
MINIMUM FUNCTIONAL TEST FREQUENCIES FOR SAFETY INSTRUMENT AND CONTROL CIRCUITS

NOTES FOR TABLE 4.1-1 (cont'd)

5. Deleted.
6. Deleted.
7. The functional test shall be performed utilizing a water column or similar device to provide assurance that damage to a float or other portions of the float assembly will be detected.
8. Instrument check once per day.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 138 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

1.0 INTRODUCTION

By letter dated April 24, 1989 the New York Power Authority (the licensee) requested an amendment to the Facility Operating License No. DPR-59 for the James A. FitzPatrick Nuclear Power Plant. The requested amendment would change the technical specifications contained in Appendix A of this license to delete a requirement to perturb the reactor vessel water level and monitor the corresponding level indicator responses as part of the monthly functional test for the reactor water level scram instrumentation.

2.0 DESCRIPTION OF THE PROPOSED CHANGES

The proposed changes to the James A. FitzPatrick technical specifications revise Technical Specification 4.1, Table 4.1-1 on pages 44 and 45a. The changes delete the requirement to perturb the reactor vessel water level following the monthly functional test of reactor water level scram instruments. Textual changes are as follows:

Page 44; Table 4.1-1

Delete "(5)" following "Reactor Low Level."

Page 45a; Table 4.1-1

Delete text associated with Note 5 and replace with "Deleted."

3.0 DISCUSSION/EVALUATION

During a monthly functional test, the water level instrumentation is taken out of service and put back in service after its completion. Presently, the requirement is to perturb the water level instrumentation and monitor the level indicator responses after the test is completed. This is to verify that the level instrumentation valves are properly positioned and also to verify the operability of the reactor water level sensors following the test. The staff has evaluated the licensee's request of deleting the subject requirement and has found no similar requirement in the current BWR Standard Technical Specifications. In addition, the level instruments under test are compared with numerous other water level instruments to verify proper operation when

they are returned to service. The operability of the level sensors and trip channels are also adequately verified by other surveillance requirements, such as the instrument channel check in which the level sensors are being cross checked with each other on a daily basis. This daily instrument channel check is consistent with the RPS design basis, the Standard Technical Specifications, and the vendor's recommendations.

To further support this request for the subject technical specification change, the licensee also stated, and we agree, that by deleting the requirement the probability of an accidental plant transient is decreased. Implementation of the proposed change does not involve modification of any existing equipment, system or component.

4.0 CONCLUSION

Based on our review of the licensee's submittal, the staff concludes that this technical specification change will have no significant impact upon the safe operation of the plant and is, therefore, acceptable.

ENVIRONMENTAL CONSIDERATION

This amendment involves a change in a requirement with respect to 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 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 25, 1989

PRINCIPAL CONTRIBUTORS:

L. Tran
D. LaBarge