

11/16/78

Docket No. 50-333

DISTRIBUTION:
 Docket
 NRC PDR
 L0cal PDR
 ORB#3 Rdg
 VStello
 BGrimes
 Ssheppard
 PPolk
 OELD
 OI&E (5)
 BJones (4)
 BScharf (15)
 STSG
 DEisenhut
 ACRS (16)
 CMiles
 DRoss
 RDiggs
 TERA
 JRBuchanan
 File
 Xtra Copies

Mr. George T. Berry
 General Manager & Chief Engineer
 Power Authority of the State of
 New York
 10 Columbus Circle
 New York, New York 10019

Dear Mr. Berry:

The Commission has issued the enclosed Amendment No. 41 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 submitted by letter dated September 1, 1978.

Your application for amendment requested a revision to the surveillance requirements for discharge testing performed on the Station Batteries and on the LPCI Motor Operated Valve Power Supplies. In essence, your request modified the Technical Specifications to reflect the type testing and test frequency specified in Regulatory Guides 1.32 and 1.129.

Your application has been approved as submitted by you with a few minor modifications. These modifications have been verbally agreed to by Power Authority personnel.

Copies of the Safety Evaluation and Notice of Issuance are also enclosed.

Sincerely,

Original signed by

Thomas A. Ippolito, Chief
 Operating Reactors Branch #3
 Division of Operating Reactors

CP 1
GD

- Enclosures:
 1. Amendment No. 41 to DPR-59
 2. Safety Evaluation
 3. Notice

7812050336

OFFICE	ORB#3	ORB#3	OELD	ORB#3	PSB
cc w/enclosures:	SSheppard	PPolk:acr	G. Goddard	T. Ippolito	S. R. How
BURNARD next page	11/6/78	11/6/78	11/9/78	11/13/78	11/14/78
DATE					

Power Authority of the State
of New York

cc: Lewis R. Bennett, Assistant General
Manager/General Counsel
Power Authority of the State
of New York
10 Columbus Circle
New York, New York 10019

Mr. Peter W. Lyon
Manager-Nuclear Operations
Power Authority of the State
of New York
10 Columbus Circle
New York, New York 10019

Mr. J. D. Leonard, Jr.
Resident Manager
James A. Fitzpatrick Nuclear
Power Plant
P. O. Box 41
Lycoming, New York 13093

Director, Technical Development
Programs
State of New York Energy Office
Agency Building 2
Empire State Plaza
Albany, New York 12223

George M. Wilverding, Licensing
Licensing Supervisor
Power Authority of the State
of New York
10 Columbus Circle
New York, New York 10019

Mr. Robert P. Jones, Supervisor
Town of Scriba
R. D. #4
Oswego, New York 13126

Oswego County Office Building
46 E. Bridge Street
Oswego, New York 13126

Chief, Energy Systems Analyses
Branch (AW-459)
Office of Radiation Programs
U. S. Environmental Protection
Agency
Room 645, East Tower
401 M Street, S. W.
Washington, D. C. 20460

U. S. Environmental Protection
Agency
Region II Office
ATTN: EIS COORDINATOR
26 Federal Plaza
New York, New York 10007



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20543

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. 41
License No. DPR-59

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by the Power Authority of the State of New York (the licensee) dated September 1, 1978, 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.

7812050343


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. 41, 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.

FOR THE NUCLEAR REGULATORY COMMISSION


Thomas A. Ippolito, Chief
Operating Reactors Branch #3
Division of Operating Reactors

Attachment:
Changes to the Technical
Specifications

Date of Issuance: November 16, 1978

ATTACHMENT TO LICENSE AMENDMENT NO. 41

FACILITY OPERATING LICENSE NO. DPR-59

DOCKET NO. 50-333

Replace the following pages of the Appendix "A" Technical Specifications with the enclosed pages. The revised pages are identified by Amendment number and contain vertical lines indicating the area of change.

Remove

221
222
222a
222b
222c

Insert

221
222
222a
222b
222c

E. Station Batteries

1. The reactor shall not be made critical unless both station batteries and associated chargers and d-c buses are in service, except as specified below.
2. During power operation, if one battery becomes unavailable, repairs shall be made immediately, and continued reactor operation is permissible for a period not to exceed 7 days total/calendar-month provided that:
 - a. The other battery including its battery charger, and distribution systems is operable.
 - b. Pilot cell voltage, specific gravity, and overall voltage and temperature is measured immediately and daily thereafter for the operable battery.
 - c. The availability of the unaffected Emergency Diesel Generator System shall be demonstrated in accordance with Specification 4.9.B.5.

E. Station Batteries

1. Every week the specific gravity, voltage and temperature of the pilot cell and overall battery voltage shall be measured.
2. Every three months the following measurements shall be made:
 - a) voltage of each cell to nearest 0.01 v, b) specific gravity of each cell, c) temperature of every fifth cell.

3.9 (cont'd)

3. From and after the time that both batteries are made or found to be inoperable for any reason, the reactor shall be in a cold condition within 24 hrs.

JAFNPP

4.9 (cont'd)

3. Once each operating cycle not to exceed 18 months the station batteries shall be subjected to a service test as defined in Reg. Guide 1.129 (Batteries).
4. Once each 5-year interval the station batteries shall be subjected to a performance discharge test as determined in Reg. Guide 1.129 (Batteries).
5. Each battery charger 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 output breakers one at a time and observe performance for proper operation.

3.9 (cont'd)

F. LPCI MOV Independent Power Supplies

4.9 (cont'd)

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 0.01 v:
 - 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 output breakers one at a time and observe performance for proper operation.

F. LPCI MOV Independent Power Supplies

1. Reactor shall not be made critical unless both independent power supplies, including the batteries, inverters and chargers and their associated buses (MCC-155 and MCC-165) are in service, except as specified below.
2. During power operation, if one independent power supply becomes unavailable, repairs shall be made immediately and continued reactor operation is permissible for a period not to exceed 7 days unless the unavailable train is made operable sooner. From and after the date one of the independent power supplies is made or found to be inoperable for any reason, the following would apply:
 - a. The other independent power supply including its charger, inverter, battery and associated bus is operable.
 - b. Pilot cell voltage, specific gravity and temperature and overall battery voltage are measured immediately and weekly thereafter for the operable independent power supply battery.
 - c. The inoperable independent power supply shall be isolated from its associated LPCI MOV bus, and this bus will be manually switched to its maintenance power source.

3. From and after the time both power supplies are made or found inoperable, the reactor shall be brought to cold condition within 24 hours.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 41 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

The Power Authority of the State of New York, by its letter dated September 1, 1978, submitted a request for changes to the Technical Specifications revising the surveillance requirements for discharge testing on the Station Batteries and LPCI system MOV's power supplies.

The proposed changes regarding the Surveillance Testing of Station Batteries and Power Supplies for LPCI MOVs incorporate capacity testing procedures and frequencies in accordance with Regulatory Guide 1.129, "Maintenance, Testing, and Replacement of Large Lead Storage Batteries for Nuclear Power Plants".

The test interval for the battery performance discharge test and for the battery service test in the Technical Specification changes complies to the Regulatory Guide 1.32, "Criteria for Safety-Related Electric Power Systems for Nuclear Power Plants", and the IEEE Std 450-1975, "Maintenance, Testing, and Replacement of Large Lead Storage Batteries for Generating Stations and Substations".

Based on our evaluation of the information provided by the licensee, we find that the proposed changes to the Technical Specifications are acceptable.

Environmental Considerations

We have determined that the amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR Section 51.5(d)(4), that an environmental impact statement, or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

7812050348

Conclusion

We have concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) 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: November 16, 1978

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NO. 50-333POWER AUTHORITY OF THE STATE OF NEW YORKNOTICE OF ISSUANCE OF AMENDMENT TO FACILITY
OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 41 to Facility Operating License No. DPR-59, issued to Power Authority of the State of New York (the licensee), which revised Technical Specifications for operation of the James A. FitzPatrick Nuclear Power Plant (the facility) located in Oswego County, New York. The amendment is effective as of its date of issuance.

This amendment revises the Technical Specifications relating to surveillance requirements for discharge testing performed on the Station Batteries and on the Low Pressure Coolant Injection System Motor Operated Valve Power Supplies.

The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

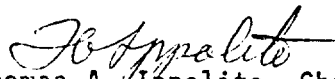
7812050351

The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR Section 51.5(d)(4) an environmental impact statement, or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of this amendment.

For further details with respect to this action, see (1) the application for amendment submitted by letter dated September 1, 1978, (2) Amendment No. 41 to License No. DPR-59, and (3) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C. and at the Oswego County Office Building, 46 East Bridge Street, Oswego, New York. A copy of items (2) and (3) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Operating Reactors.

Dated at Bethesda, Maryland, this 16 day of November 1978.

FOR THE NUCLEAR REGULATORY COMMISSION


Thomas A. Ippolito, Chief
Operating Reactors Branch #3
Division of Operating Reactors