



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D. C. 20565

July 13, 1992

Docket No. 50-333

Mr. Ralph E. Beedle
Executive Vice President, Nuclear
Generation
Power Authority of the State of
New York
123 Main Street
White Plains, New York 10601

Dear Mr. Beedle:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION - POWER UPRATE SUBMITTAL FOR THE
JAMES A. FITZPATRICK NUCLEAR POWER PLANT (TAC NO. M83182)

By letter (JPN-92-028) dated June 12, 1992, the Power Authority of the State of New York (PASNY) submitted an application for an amendment to the James A. FitzPatrick Technical Specifications which proposed to increase the authorized maximum power level to 2536 megawatts thermal (MW_t) from the current limit of 2436 MW_t. Based on our review of your submittal, we have identified the need for additional information in order to complete the review. We, therefore, request that you provide a response to the questions enclosed. In order to facilitate timely resolution of this matter, we request that you provide us with this response within 60 days of receipt of this letter.

This requirement affects one respondent and, therefore, is not subject to Office of Management and Budget review under P.L. 96-511.

Sincerely,

Brian C. McCabe, Project Manager
Project Directorate I-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosure:
Request for Additional
Information

cc w/enclosure:
See next page

NRC FILE CENTER COPY

9207170104 920713
PDR ADOCK 03000233
P PDR

Mr. Ralph E. Beedle
Power Authority of the State of New York

James A. FitzPatrick Nuclear
Power Plant

cc:

Mr. Gerald C. Goldstein
Assistant General Counsel
Power Authority of the State
of New York
1633 Broadway
New York, New York 10019

Ms. Donna Ross
New York State Energy Office
2 Empire State Plaza
16th Floor
Albany, New York 12223

Resident Inspector's Office
U. S. Nuclear Regulatory Commission
Post Office Box 136
Lycoming, New York 13093

Mr. Harry P. Salmon, Jr.
Resident Manager
James A. FitzPatrick Nuclear
Power Plant
Post Office Box 41
Lycoming, New York 13093

Mr. J. A. Gray, Jr.
Director Nuclear Licensing - BWR
Power Authority of the State
of New York
123 Main Street
White Plains, New York 10601

Supervisor
Town of Scriba
Route 8, Box 382
Oswego, New York 13126

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

Charles Donaldson, Esquire
Assistant Attorney General
New York Department of Law
120 Broadway
New York, New York 10271

Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, Pennsylvania 19406

REQUEST FOR ADDITIONAL INFORMATION
FITZPATRICK POWER UPRATE REVIEW

1. The NRC staff is concerned that the use of Reactor Power vice the true measured variable (Turbine First Stage Pressure) in the technical specifications challenges the requirements of Section 4.8, "Derivation of System Inputs" of IEEE-Std-279-1971, "Criteria for Protection Systems for Nuclear Power Generating Stations." Therefore, provide a copy of calculation JAF 91-002, Revision 1, "Turbine First Stage Pressure Scram Bypass Setpoint (Up-rated Condition)," so that the staff may complete our evaluation of the feasibility and practicality of using reactor power in the technical specifications for Turbine Trip Bypass.
2. Describe the extent to which NEDC-31336, "Instrument Setpoint Methodology," was used to select and/or verify setpoints for the proposed power uprate.
3. The NRC staff is in the process of reviewing three different BWR power uprate requests. In each case, higher power is to be achieved by extending the power/flow map and increasing core flow along existing flow control lines. Given the same method for increasing power, the staff does not understand why your approach to changing setpoints is directly opposed to the approach taken by the other two plants with regard to the Neutron Monitoring System and Main Steam High Flow Isolation. Therefore:
 - A. Since the uprated absolute power level for any rod line remains the same for the same flow rate, justify not changing the power offset for the flow-biased APRM rod block and simulated thermal power setpoints to maintain the same spacing above the rescaled maximum flow control rod line.
 - B. Provide the calculations used to determine that the existing Main Steam Line High Flow Isolation trip setpoint would have adequate margin to the new 100% steam flow operating point.

July 13, 1992

DISTRIBUTION:

Docket File	NRC & Local PDRs
PDI-1 Reading	SVarga
JCalvo	RACapra
CVogan	BMcCabe
OGC	ACRS(10)
SNewberry	EMarinos
RScholl	RStransky
CCowgill	Plant File

Mr. Ralph E. Beedle
 Executive Vice President, Nuclear
 Generation
 Power Authority of the State of
 New York
 123 Main Street
 White Plains, New York 10601

Dear Mr. Beedle:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION - POWER UPRATE SUBMITTAL FOR THE JAMES A. FITZPATRICK NUCLEAR POWER PLANT (TAC NO. M83182)

By letter (JPN-92-028) dated June 12, 1992, the Power Authority of the State of New York (PASNY) submitted an application for an amendment to the James A. FitzPatrick Technical Specifications which proposed to increase the authorized maximum power level to 2536 megawatts thermal (MW_t) from the current limit of 2436 MW_t. Based on our review of your submittal, we have identified the need for additional information in order to complete the review. We, therefore, request that you provide a response to the questions enclosed. In order to facilitate timely resolution of this matter, we request that you provide us with this response within 60 days of receipt of this letter.

This requirement affects one respondent and, therefore, is not subject to Office of Management and Budget review under P.L. 96-511.

Sincerely,

Original Signed By:
 Brian C. McCabe, Project Manager
 Project Directorate I-1
 Division of Reactor Projects - I/II
 Office of Nuclear Reactor Regulation

Enclosure:
 Request for Additional
 Information

cc w/enclosure:
 See next page

OFFICE	PDI-1:LA	PDI-1:PA	PDI-1:D		
NAME	CVogan <i>CV</i>	BMcCabe <i>BM</i>	RACapra <i>RA</i>		
DATE	7/13/92	7/13/92	7/13/92	/ /	/ /

OFFICIAL RECORD COPY
 FILENAME: A:\FIT83182.LTR