

September 5, 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: REQUEST FOR ADDITIONAL INFORMATION - SPENT FUEL POOL STORAGE
CAPACITY INCREASE (TAC NO. 76937)

Based on our review of your Technical Specifications amendment request dated May 31, 1990, (JPN-90-043) for the James A. FitzPatrick Nuclear Power Plant, 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.

The reporting and/or recordkeeping requirements of this letter affect fewer than ten respondents; therefore, OMB clearance is not required under PL 96-511.

Sincerely,

ORIGINAL SIGNED BY:

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

Enclosure:
As stated

cc:
See next page

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20505

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

A handwritten signature in cursive script, appearing to read "De LaBarge".

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

Enclosure:
As stated

cc:
See next page

Mr. John C. Brons
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

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

Mr. William Fernandez
Resident Manager
James A. FitzPatrick Nuclear
Power Plant
Post Office Box 41
Lycoming, New York 13093

Mr. A. Klausman
Senior Vice President - Appraisal
and Compliance Services
Power Authority of the State
of New York
1633 Broadway
New York, New York 10019

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

Mr. George Wilverding, Manager
Nuclear Safety Evaluation
Power Authority of the State
of New York
123 Main Street
White Plains, New York 10601

Supervisor
Town of Scriba
R. D. #4
Oswego, New York 13126

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

Mr. J. P. Bayne, President
Power Authority of the State
of New York
1633 Broadway
New York, New York 10019

Mr. S. S. Zulla
Vice President Nuclear Engineering
Power Authority of the State
of New York
123 Main Street
White Plains, New York 10601

Mr. Richard Patch
Quality Assurance Superintendent
James A. FitzPatrick Nuclear
Power Plant
Post Office Box 41
Lycoming, New York 13093

Mr. William Josiger, Vice President
Operations and Maintenance
Power Authority of the State
of New York
123 Main Street
White Plains, New York 10601

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

REQUEST FOR ADDITIONAL INFORMATION

SPENT FUEL POOL STORAGE CAPACITY INCREASE

1. The proposed methods, resources, and techniques to be utilized for rack installation are not clear. If divers are to be utilized, describe the procedures and controls which will be employed to minimize radiation exposures and to prevent radiation overexposures.
2. With regard to estimated radiation exposures resulting from activities related to rack installation, additional information is needed. First, if divers are to be utilized in this rack installation effort, their estimated exposures needs to be addressed.

Secondly, the total estimated exposure for this project is 2 person-rem which is significantly below industry averages for similar work. Please provide a detailed breakdown of required work activities and resultant estimated radiation doses for each work item.

3. At present, it is our understanding that the area of the spent fuel pool to be utilized for the additional racks contains control rod blades and other debris which must be removed. Describe your plans to address this issue, and provide your estimate of the expected radiation exposures.
4. The amendment indicates that Boral plates are seal welded in the cavity between adjacent fuel assemblies. Describe how gases generated by Boral off-gasing is vented from the cavity to prevent swelling and bulging due to pressure buildup.
5. Describe spent fuel pool water chemistry limits to maintain pool purity and optical clarity (conductivity, chlorides, heavy metals, and pH range).