

POWER AUTHORITY OF THE STATE OF NEW YORK

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October 30, 1979  
IPN-79-77  
JPN-79-68

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Director of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Subject: Indian Point 3 Nuclear Power Plant  
Docket No. 50-286  
James A. FitzPatrick Nuclear Power Plant  
Docket No. 50-333  
Request for Review of Computer Code RETRAN

Dear Sir:

The Authority is committed to an independent capability for safety analysis work for its nuclear power plants. In this connection, it intends using the computer code RETRAN, a transient analysis code, which is being developed under the sponsorship of the Electric Power Research Institute.

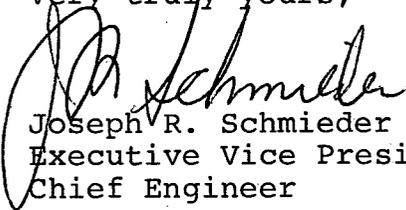
The code RETRAN will enable the Authority to better understand reactor transients and provide a useful additional tool in operator training programs. Recent events point to the importance of understanding transients. It will also be used in the licensing activities.

A number of utilities intend using this code and it is therefore requested that a generic review of this code be completed by the NRC. This will establish the acceptability of this code by utilities for transient studies.

The review cost pursuant to 10 CFR §170.21 will be shared by the Authority equally with other utilities involved in this review.

The Authority specific plans for utilization of this code are shown in Attachment 1. The details can be worked out for expediting the review process. Please contact Dr. S. S. Iyer at the Authority's home office (212-397-7634) to discuss the details.

Very truly yours,

  
Joseph R. Schmieder  
Executive Vice President &  
Chief Engineer

App  
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ATTACHMENT 1

STATEMENT OF INTENDED USE OF RETRAN

UNIT Indian Point Unit 3 Nuclear Power Plant - (IP3)  
Docket No. 50-286

James A. FitzPatrick Nuclear Power Plant - (JAF)  
Docket No. 50-333

STATUS OF UNIT

IP3 Operating License No. DPR-64 received 12/12/75 and is currently scheduled to begin Cycle 3 operation in December 1979.

JAF Operating License No. DPR-59 received 10/17/74 and is currently operating in Cycle 3.

INTENDED USE OF RETRAN

The Authority intends using this Code for:

- (1) Part of the package of Codes to support Reload Licensing
- (2) To support operating requirements for understanding transients and as a tool for operators to visualize plant behavior under various transients.
- (3) To verify any instrument logic changes on plant behavior.

SCHEDULE OF QUALIFICATION REPORT SUBMITTAL AND ITS CONTENT

IP3 - Report by September 1982  
JAF - Report by June 1982

Both reports will contain:

- (1) Safety Analysis methodology description
- (2) Benchmark analysis with FSAR results
- (3) Benchmark analysis with operational test results

## MEMORANDUM

*Reed*  
*10/29/79*  
*SLJ*

TO Membership  
FROM M. L. Bowling

October 24, 1979

UTILITY GROUP FOR RETRAN APPLICATIONS

Enclosed with this memorandum is a copy of our group letter which was sent to the NRC on October 22, 1979. I am also enclosing the Vepco specific letter which was also sent to the NRC and which references membership in the group and commits to paying a proportionate share of the NRC review fee. Please proceed to prepare and send your utility specific letters to the NRC which commits to paying a proportionate share of the NRC review fee. I would appreciate receiving a copy of your letter.

I have had our statement of purpose and proposed activities reviewed by the Hunton & Williams law firm of Richmond, Virginia. We have been advised that our group activities should not give rise to any antitrust or other legal problems. However, Hunton & Williams does agree with a suggestion made by a Duke Power lawyer that each participating utility sign a memorandum of understanding that would release the other utilities from any liability associated with participation in this group. I will be exploring this matter in more detail and report back to you at a later date.

By-laws for the group will be circulated for comment once review is completed by the Executive Committee. Should you have questions, please do not hesitate to contact me.

*Martin L. Bowling*

M. L. Bowling  
Chairman

Enclosure

cc: Mr. B. R. Seghal (EPRI)