

June 13, 1984

Docket No. 50-333

Mr. J. P. Bayne  
Executive Vice President,  
Nuclear Generation  
Power Authority of the State  
of New York  
123 Main Street  
White Plains, New York 10601

Dear Mr. Bayne:

SUBJECT: PLANT SPECIFIC ANALYSIS TO DETERMINE GAS AND WATER  
CLEARING THRUST LOADS ASSOCIATED WITH SECOND SRV  
ACTUATIONS IN RELIEF VALVE DISCHARGE LINES

Re: James A. FitzPatrick Nuclear Power Plant

One of the issues to be resolved related to the Mark I Containment Long Term Program (LTP) was whether following the initial safety relief valve (SRV) actuation, sufficient time for the water leg to stabilize exists prior to a second actuation. To satisfy the acceptance criteria in NUREG-0661 "Mark I Containment Long Term Program" related to water clearing thrust loads in the relief valve discharge lines, associated with second SRV actuations, some licensees have made system logic changes to reduce these loads. The logic changes used include various combinations of lower SRV opening and closing setpoints and lower reactor vessel water level prior to main steam isolation valve (MSIV) closure.

We have recently become aware that at least one licensee has determined that these logic changes to reduce thrust loads, that it had previously intended to make, were no longer needed. A revised analysis performed by General Electric utilizing a methodology not approved in NUREG-0661 provided the basis for the licensee's decision. Since the methodology utilized appears to deviate from the methodology found acceptable by the staff, this letter is being sent to all BWR licensees that have Mark I containments that have not made setpoint logic changes to reduce water clearing thrust loads associated with second SRV actuations.

Within 45 days of receipt of this letter it is requested that you notify us if any analyses were performed utilizing methodology not previously approved in NUREG-0661 in determining if setpoint logic changes were needed to reduce water clearing thrust loads associated with second SRV actuations. In addition identify if any credit for operator action is required to prevent or reduce the thrust loads associated with second actuations of SRVs and if so, the kind of action and how long after event initiation the action is required.

8406250284 840613  
PDR ADOCK 05000333  
P PDR

Mr. J. P. Bayne

- 2 -

This request for information was approved by the Office of Management and Budget under clearance number 3150-0091 which expires October 31, 1985.

Sincerely,

Original signed by/

Domenic B. Vassallo, Chief  
Operating Reactors Branch #2  
Division of Licensing

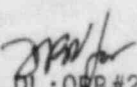
cc: See next page

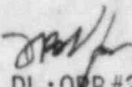
DISTRIBUTION

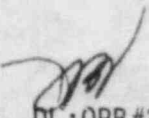
Docket File

NRC PDR  
Local PDR  
ORB#2 Reading  
DEisenhut  
OELD  
SNorris  
HAbelson  
BSiegel  
ELJordan  
JNGrace  
ACRS (10)  
Gray File  
FEltawila

DL:ORB#2  
SNorris:ajs  
06/11/84

  
DL:ORB#2  
HAbelson  
06/13/84

  
DL:ORB#2  
BSiegel  
06/13/84

  
DL:ORB#2  
DVassallo  
06/13/84

Mr. J. P. Bayne  
Power Authority of the State of New York  
James A. FitzPatrick Nuclear Power Plant

cc:

Mr. Charles M. Pratt  
Assistant General Counsel  
Power Authority of the State  
of New York  
10 Columbus Circle  
New York, New York 10019

U. S. Environmental Protection  
Agency  
Region II Office  
Regional Radiation Representative  
26 Federal Plaza  
New York, New York 10007

Mr. Corbin A. McNeill, 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

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

Mr. Leroy W. Sinclair  
Power Authority of the State  
of New York  
10 Columbus Circle  
New York, New York 10019

Mr. Jay Dunkleberger  
Division of Policy Analysis  
and Planning  
New York State Energy Office  
Agency Building 2  
Empire State Plaza  
Albany, New York 12223

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

Mr. A. Klausman  
Vice President - Quality Assurance  
Power Authority of the State  
of New York  
10 Columbus Circle  
New York, New York 10019

Mr. George Wilverding, Chairman  
Safety Review Committee  
Power Authority of the State  
of New York  
123 Main Street  
White Plains, New York 10601

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

Thomas A. Murley  
Regional Administrator  
Region I Office  
U. S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, Pennsylvania 19406