POWER AUTHORITY OF THE STATE OF NEW YORK
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(212) 397-6200

May 2, 1983
JPN-83-38

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

Attention: Mr. Domenic B. Vassallo, Chief
Operating Reactor Branch No. 2
Division of Licensing

Subject: James A. FitzPatrick Nuclear Power Plant
Docket No. 50-333
NUREG-0737 Post-TMI Requirements
Item II.F.1.4 Containment Pressure Monitor
Item II.F.1.5 Containment Water Level Monitor
Item II.F.1.6 Containment Hydrogen Monitor

References: 1. NRC letter, D.B. Vassallo to L.W. Sinclair, dated February 2, 1983.

2. PASNY letter, J.P. Bayne to D.B. Vassallo, dated April 8, 1983 (JPN-83-23).

Dear Sir:

In Reference 1 the NRC requested extensive additional information concerning the subject modifications. The Authority responded to this request in Reference 2 and committed to provide the following information: pressure monitor response time and accuracy; water level monitor accuracy; and, hydrogen monitor accuracy and location.

Attachment 1 contains information on the hydrogen monitors. Information concerning the pressure and water level monitors will be provided to you by June 15, 1983.

If you have any questions, please do not hesitate to contact Mr. J.A. Gray, Jr. of my staff.

A046

Very truly yours,

J.P. Bayne
Executive Vice President
Nuclear Generation

cc: Attached

cc: Mr. J. Linville
Resident Inspector
U.S. Nuclear Regulatory Commission
P.O. Box 136
Lycoming, New York 13093

POWER AUTHORITY OF THE STATE OF NEW YORK

JAMES A. FITZPATRICK NUCLEAR POWER PLANT

ATTACHMENT 1 TO JPN-83-38
DATED May 2, 1983

The accuracy of containment hydrogen monitors is ± 5% of full scale. The monitors are set on a scale of 0-10%, and they also have the capability to be set for 0-30% hydrogen concentration.

The system consists of two redundant trains each capable of obtaining samples from three locations in the primary containment, one location in the suppression chamber, and one location in the reactor building. Sample locations for both trains are:

1.	Drywell	lower level	El.276'-6"
2.	Drywell	mid level	El.310'-6"
3.	Drywell	upper level	El.343'-6"
4.	Suppression chamber		El.250'-3"
5.	Reactor building		El.300'-0"

The twc hydrogen analyzers are located on Elevation 300'-0" of the Reactor Building.

The sample point locations for H_2 sample lines in the drywell and suppression pool have been selected to adequate indicate the concentration level of hydrogen in the containment. These locations are representative of the drywell area.