

June 28, 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:

The Commission has issued the enclosed Amendment No. 81 to Facility Operating License No. DPR-59 for the James A. FitzPatrick Nuclear Power Plant. The amendment consists of changes to the Technical Specifications in response to your request dated January 23, 1984.

This amendment revises Section 3.7.A.9.a of the Technical Specifications to permit the primary containment atmosphere monitoring (CAM) system to be isolated during those periods when the post-accident sampling system is being tested for operability or used for personnel training.

A copy of our Safety Evaluation is enclosed.

Sincerely,

Original signed by/

Harvey I. Abelson, Project Manager  
Operating Reactors Branch #2  
Division of Licensing

Enclosures:

- 1. Amendment No. 81 to License No. DPR-59
- 2. Safety Evaluation

cc w/enclosures:  
See next page

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NRC PDR	SNorris	JNGrace		OPA, CMiles
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ORB#2 Reading	OELD	WJones		Gray File
	LJHarmon	DBrinkman		Extra - 5
DL:ORB#2	DL:ORB#2	DL:ORB#2	OELD	DL:AD4OR
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James A. FitzPatrick Nuclear Power Plant

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

POWER AUTHORITY OF THE STATE OF NEW YORK

DOCKET NO. 50-333

JAMES A. FITZPATRICK NUCLEAR POWER PLANT

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 81  
License No. DPR-59

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by the Power Authority of the State of New York (the licensee) dated January 23, 1984, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 2.C(2) of Facility Operating License No. DPR-59 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 81, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

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

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: June 28, 1984

ATTACHMENT TO LICENSE AMENDMENT NO. 81

FACILITY OPERATING LICENSE NO. DPR-59

DOCKET NO. 50-333

Revise the Appendix "A" Technical Specifications as follows:

Remove

181

Insert

181

3.7 (cont'd)

9. Primary Containment Atmosphere Monitoring Instruments

- a. Primary containment atmosphere shall be continuously monitored for hydrogen and oxygen when the containment integrity is required. The exception to this is when the Post-Accident Sampling System is to be operated. In this instance the containment atmosphere monitoring systems may be isolated for a period not to exceed 3 hours in a 24 hour period.

B. Standby Gas Treatment System

1. Except as specified in 3.7.B.2 below, both circuits of the Standby Gas Treatment System shall be operable at all times when secondary containment integrity is required.

4.7 (cont'd)

9. Primary Containment Atmosphere Monitoring Instruments

- a. Instrumentation shall be functionally tested and calibrated as specified in Table 4.7-1.

D. Standby Gas Treatment System

1. Standby Gas Treatment System surveillance shall be performed as indicated below:

- a. At least once per operating cycle, it shall be demonstrated that:

- (1.) Pressure drop across the combined high-efficiency and charcoal filters is less than 5.7 in. of water at 6,000 scfm and
- (2.) Each 39 KW heater shall dissipate greater than 29KW of electric power as calculated by the following expression:

$$P = \sqrt{3} EI$$

Where: P = Dissipated Electrical Power; E = Measured line-to-line voltage in volts (RMS); I = Average measured phase current in amperes (RMS)



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 81 TO FACILITY OPERATING

LICENSE NO. DPR-59

POWER AUTHORITY OF THE STATE OF NEW YORK

JAMES A. FITZPATRICK NUCLEAR POWER PLANT

DOCKET NO. 50-333

1.0 Introduction

By letter dated January 23, 1984, the Power Authority of the State of New York (the licensee) forwarded a proposed change to the Technical Specifications (TS). This change would permit the primary containment atmosphere monitoring (CAM) system to be isolated during those periods when the post-accident sampling system (PASS) is being tested for operability or used for personnel training.

The licensee states that the PASS and the CAM systems utilize a common discharge line to the torus. To prevent backflow of a potentially contaminated sample to the CAM panel during PASS operation, the CAM must be isolated. The existing TS for FitzPatrick indicate that the primary containment atmosphere shall be continuously monitored for hydrogen and oxygen when containment integrity is required. Consequently, it is impossible to test the PASS without violating the TS.

2.0 Evaluation

The licensee proposed the following additional statements for Section 3.7.A.9.a of the TS. "The exception to this (continuous monitoring) is when the Post-Accident Sampling System is to be operated. In this instance, the containment atmosphere monitoring system may be isolated for a period not to exceed 3 hours in a 24-hour period."

The staff has reviewed the licensee's proposed change to the TS and finds the change to be acceptable. This finding is based on the following rationale. The need to provide for monitoring of the hydrogen/oxygen concentrations in containment has been identified in both Regulatory Guide 1.97, Rev. 2 and NUREG-0737, "Clarification of TMI Action Plan Requirements." In both of the documents, continuous monitoring is indicated as being required for the time periods during and following an accident. However, this need does not extend into normal operations. This exception is clearly stated in the clarifications for Item II.F.1, Attachment 6, Containment Hydrogen Monitor, NUREG-0737. For the inerted containment of the FitzPatrick plant, there also is a need to periodically verify the inerted condition during normal operation. But, again,

continuous verification of the inert condition is not needed. As a result, the staff finds the ability to verify the inerted condition at least 21 out of every 24-hour time period sufficient to satisfy the above stated need.

### 3.0 Environmental Consideration

This amendment involves a change in the installation or use of a facility component located within the restricted area. The staff has determined that the amendment involves no significant increase in the amounts of any effluents that may be released offsite and that there is no significant increase in individual or cumulative occupation radiation exposure. The Commission has previously issued a proposed finding that this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

### 4.0 Conclusions

We have concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: A. Notafrancesca

Dated: June 28, 1984