



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

February 8, 1994

Docket No. 50-333

Mr. William A. Josiger, Acting
Executive Vice President, Nuclear
Generation
Power Authority of the State of
New York
123 Main Street
White Plains, New York 10601

Dear Mr. Josiger:

SUBJECT: GENERIC LETTER 89-10, SUPPLEMENT 5, "INACCURACY OF MOTOR-OPERATED
VALVE DIAGNOSTIC EQUIPMENT" - JAMES A. FITZPATRICK NUCLEAR POWER
PLANT (TAC NO. M87949)

On June 28, 1993, the NRC staff issued Supplement 5, "Inaccuracy of Motor-Operated Valve Diagnostic Equipment," to Generic Letter (GL) 89-10, "Safety-Related Motor-Operated Valve Testing and Surveillance," requesting nuclear power plant licensees and construction permit holders (1) to reexamine their motor-operated valve (MOV) programs and to identify measures taken to account for uncertainty in properly setting valve opening thrust to ensure operability and (2) to evaluate the schedule necessary to consider the new information on MOV diagnostic equipment inaccuracy and to take appropriate action in response to that information. Within 90 days of receipt of Supplement 5 to GL 89-10, licensees were required (1) to notify the NRC staff of the diagnostic equipment used to confirm the proper size, or to establish settings, for safety-related MOVs and (2) to report whether they had taken actions or planned to take actions (including schedule) to address the new information on the accuracy of MOV diagnostic equipment.

The staff has reviewed the responses, and has found that, for the most part, licensees and permit holders have been actively addressing the uncertainties regarding the accuracy of MOV diagnostic equipment. The increased inaccuracy of MOV diagnostic equipment can raise questions regarding (1) the adequacy of torque switch settings to provide sufficient thrust while not exceeding thrust or torque structural limits and (2) the capability of actuator motors at current settings. In their responses, licensees and permit holders indicated that many MOVs had the potential for underthrusting or overthrusting as a result of the higher than expected inaccuracy of MOV diagnostic equipment. Consequently, some licensees reported that MOVs have been retested, adjusted, or modified to resolve the concerns regarding the accuracy of MOV diagnostic equipment.

The Power Authority of the State of New York responded to Supplement 5 by letter dated September 30, 1993, and stated that FitzPatrick uses MOV diagnostic equipment manufactured by Liberty Technologies (VOTES equipment).

Mr. William A. Josiger

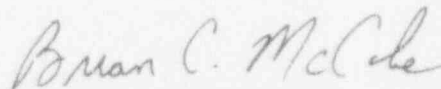
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February 8, 1994

In that response, you indicated that you had evaluated the FitzPatrick MOVs in accordance with Liberty Technologies' Part 21 notice (dated October 2, 1992) and found 20 MOVs to be above the thrust rating. You also indicated that your evaluation of those MOVs would be completed by January 7, 1994. During a future inspection, the NRC staff will evaluate your resolution of the MOV diagnostic equipment accuracy issue for FitzPatrick. Particularly, the NRC staff will evaluate your basis for the continuing operability assessment of the 20 MOVs with thrust values above their thrust rating and whether you considered potential overtorque from structural and motor capability viewpoints.

This completes all efforts on TAC No. M87949. If you have any questions regarding this issue, please call me at (301) 504-1423.

Sincerely,



Brian C. McCabe, Senior Project Manager
Project Directorate I-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

cc: See next page

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Power Authority of the State of New York

James A. FitzPatrick Nuclear
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Original signed by:

Brian C. McCabe, Senior Project Manager
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