



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D. C. 20555-0001

February 10, 1994

Docket No. 50-461

Clinton Power Station
ATTN: Mr. Richard F. Phares
Director - Licensing
Post Office Box 678
Mail Code V920
Clinton, Illinois 61727

Dear Mr. Phares:

SUBJECT: GENERIC LETTER 89-10, SUPPLEMENT 5, "INACCURACY OF MOTOR-OPERATED VALVE DIAGNOSTIC EQUIPMENT" - CLINTON POWER STATION, UNIT NO. 1 (TAC NO. M87933)

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 re-examine their MOV programs and to identify measures taken to account for uncertainties in properly setting valve operating 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.

You responded to Supplement 5 by letter dated September 30, 1993 (U-602190), and stated that Illinois Power had used the ITI-MOVATS TMD for MOV diagnostic testing in 1985 and 1986. In July 1992, the Liberty Technology Valve Operation and Test Evaluation System (VOTES) diagnostic equipment was chosen to replace the MOVATS as the primary choice for diagnostic testing although the Teledyne Engineering's Smart Stem and the ITI-MOVATS TTC is also used. Your letter also stated that you had addressed the ITI-MOVATS TMD error and

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the Liberty Technologies' Part 21 notice, dated October 2, 1992. During a future inspection, the NRC staff will discuss your resolution of the MOV diagnostic equipment accuracy issue. Particularly, the staff will discuss (1) whether any MOVs remain setup based on the TMD, (2) your method for addressing the TMD error and Liberty Technologies' Part 21 notice, and the TTC actuator positioning effect, and (3) the results of your evaluation.

This completes all efforts on TAC No. M87933. If you have any questions regarding this issue, please contact me at (301) 504-1324.

Sincerely,

ORIGINAL SIGNED BY

Douglas V. Pickett, Senior Project Manager
Project Directorate III-3
Division of Reactor Projects - III/IV/V
Office of Nuclear Reactor Regulation

cc: See next page

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