

METROPOLITAN EDISON COMPANY

POST OFFICE BOX 542 READING, PENNSYLVANIA 19603

TELEPHONE 215 - 929-3801

March 15, 1974

Dr. D. F. Knuth, Director
Directorate of Regulatory Operations
Office of Regulation
U.S. Atomic Energy Commission
Washington, D.C. 20545

Dear Dr. Knuth:

SUBJECT: THREE MILE ISLAND NUCLEAR STATION UNIT 1
DOCKET NO. 50-289
CONDENSATE STORAGE TANK DIAPHRAGM

You were notified on February 13, 1974, of a situation which may be considered reportable under 10 CFR 50.55(e), "Conditions of Construction". This situation related to Condensate Storage Tank 1B Diaphragm.

Description of Incident


During complete draining of Condensate Storage Tank 1B to the condenser hotwell, the diaphragm was sucked over the suction screen cutting off flow. The condenser vacuum acting on the diaphragm collapsed the suction screen which resulted in the diaphragm being punctured in several places.

Corrective Action Taken

The tank was opened to inspect the suction screen which was found to be collapsed and a new screen was designed by the Architect Engineer which will prevent the diaphragm from blocking the suction and also prevent the diaphragm from being punctured. The diaphragm was repaired and the tank put back in service.

The new designed suction screen will also be installed in Condensate Storage Tank 1A to preclude this type of incident from occurring. As a further precaution, an operating limit has been imposed by Metropolitan Edison Company to preclude the diaphragm from being in contact with the suction screen.

Very truly yours,


R. C. Arnold
Vice President

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cc: Messrs. J. P. O'Reilly
W. A. Verrochi

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