

Re Bulletin 73

METROPOLITAN EDISON COMPANY

PCST OFFICE BOX 542 READING, PENNSYLVANIA 19603

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September 10, 1973

POOR ORIGINAL

Mr. James P. O'Reilly, Director
Directorate of Regulatory Operations
Region 1
United States Atomic Energy Commission
631 Park Avenue
King of Prussia, Pa. 19406

SUBJECT: THREE MILE ISLAND NUCLEAR STATION UNITS 1 & 2
DOCKET NO. 50-289 AND 50-320

Dear Mr. O'Reilly:

This letter is in response to the Commission's letter of July 18, 1973 which requested that we review the design of the control circuits for the Containment Ventilation System isolation valves installed at Three Mile Island Nuclear Station Units No. 1 and 2. This review has determined that no single failure of one containment isolation valve nor its control circuit would result in the simultaneous failure of the redundant isolation valve. We submit the following information in response to the July 18, 1973 letter.

The closure of the containment supply and exhaust purge valves is actuated from separate Engineered Safeguards actuation channels, from a separate control switch for each valve and from a radiation monitoring channel. Our review of the electrical drawings of Unit 1 established that all circuits are electrically isolated. Thus, in the event of a single failure, isolation of the containment ventilation system will be accomplished by the redundant valve.

The design of these circuits for Unit 2 has not been completed. As a result of the Commission's letter and the findings on Unit 1, explicit instructions are being forwarded to the designers insuring that electrical isolation and physical separation will be incorporated in the completed design.

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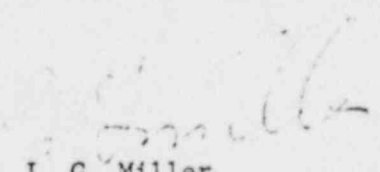
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Mr. James P. O'Reilly, Director
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Therefore, the containment integrity will be maintained by the redundant valve in the event of a single failure in either Unit 1 or Unit 2.

Very truly yours,



J. G. Miller
Vice President

kd

CC: Mr. W. A. Verrochi

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