

August 17, 1978

Docket No. 50-289

Metropolitan Edison Company  
ATTN: Mr. J. G. Herbein  
Vice President  
P. O. Box 542  
Reading, Pennsylvania 19603

Gentlemen:

As a result of our review of the Fire Protection Program at Three Mile Island Nuclear Station, Unit No. 1, we find we need additional commitments and information in order to continue our review. The specific commitments and information needed are listed in the enclosure.

You are requested to indicate your commitment to these staff positions and to provide the requested information by telephone by August 17, 1978, with written confirmation submitted by August 22, 1978. A copy of the enclosure to this letter was transmitted to you by facsimile on August 11, 1978.

Sincerely,

Robert W. Reid, Chief  
Operating Reactors Branch #4  
Division of Operating Reactors

Enclosure:  
Request for Additional  
Information

cc w/enclosure:  
See next page

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Metropolitan Edison Company

cc:

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Mr. R. W. Conrad  
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Citizens for a Safe Environment  
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REQUEST FOR ADDITIONAL INFORMATION AND COMMITMENTS

FIRE PROTECTION PROGRAM

THREE MILE ISLAND NUCLEAR STATION, UNIT NO. 1

DOCKET NO. 50-289

1. (P10) Regarding the response to position P10, given in your letter of June 12, 1978, indicate your commitment to provide manual hose stations at each level inside the reactor building near the personnel air lock, if the results of the study you have committed to provide by December 31, 1978 indicates this is possible. In addition, you should commit to provide equivalent protection from portable systems if the staff review of your study concludes that it is impractical to install hose stations inside containment.
2. (P9, P11) Regarding the responses to Positions P9 and P11 given in your letter of June 12, 1978, we do not understand why these submittals cannot be made earlier than the indicated date of July 15, 1979. Therefore, indicate your commitment to provide these submittals by February 15, 1979 or provide a detailed justification for submitting these studies at a later date.
3. Indicate your commitment to demonstrate by July 1, 1979, that all interior hose stations served by standpipes that are less than four inches in diameter (nominal pipe size) are capable of delivering a minimum of 100 gpm at a residual pressure of 65 psig at the outlet of the hose station.
4. (P5) Regarding the response to Position P5 given in your letters of June 12 and July 20, 1978, indicate your commitment that all fire doors except the two fire doors in series between the Turbine Building and the Control Building will, by January 1, 1979, be electrically supervised, with a time delay alarm in a constantly occupied area, or will be locked closed.
5. Indicate your commitment to remove stored combustibles from the Control Building, elevations 306' and 322', and other areas containing safety-related equipment and to keep such areas free of stored combustibles in the future.

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6. Indicate your commitment to repair the small air compressor diesel engines located in the diesel generator rooms to correct the present oil leakage.
7. Confirm your commitment to provide supervision for the presently unsupervised supply valve to the automatic water suppression system serving elevation 306' of the Control Building, and the supply valves to the automatic water suppression systems in the two diesel generator rooms.
8. Indicate your commitment to provide by December 31, 1978:
  - (a) A list of the system(s) served by the cables routed through the area between the fuel pool and the Control Building; and
  - (b) An analysis demonstrating that a fire in this area would not affect the ability to safely shutdown the reactor.
9. Because some of the redundant components of the Heating, Ventilating and Air Conditioning (HVAC) system serving the Control Building are situated in close proximity, there is the possibility that a single fire could disable the system. Indicate your commitment to provide the following by December 31, 1978:
  - (a) An analysis of the effect of loss of normal and emergency HVAC services on the ability to safely shutdown the reactor;
  - (b) If the above analysis indicates that such loss could preclude safe shutdown, an analysis of the susceptibility of the HVAC system to being disabled by a single fire; and
  - (c) If indicated by (a) and (b) above, your proposed corrective action.
10. Indicate whether safe shutdown of the reactor could be accomplished if there were an exposure fire involving the electrical (Engineered Safety Features Actuation) cabinets in Fire Zone CB-3C, and the circuitry and controls in these cabinets were disabled or inaccessible. If the ability to achieve safe shutdown could be adversely affected, indicate your commitment to extend the automatic water suppression system in this area to provide coverage to the exterior of these cabinets and to provide spray shields to protect the interior of the cabinets from the effects of water spray from either fixed water suppression systems or manual hoses.

11. Because prompt notification of the occurrence of a fire is important in assuring prompt control, indicate your commitment to provide for the Control Building, elevation 306', either a fire detector which alarms in the Control Room or a flow alarm in automatic suppression system for this area.