



UNITED STATES
ATOMIC ENERGY COMMISSION
 DIRECTORATE OF REGULATORY OPERATIONS
 REGION I
 970 BROAD STREET
 NEWARK, NEW JERSEY 07102
 TELETYPE SERVICE
 DATE: 1972 SEP 19, 1972



✓ J. B. Henderson, Chief, Reactor Construction
 Branch, Regulatory Operations, HQ

METROPOLITAN EDISON COMPANY
 THREE MILE ISLAND UNITS 1 AND 2
 RO REPORT NO. 50-289/72-12, 50-320/72-04

The subject inspection report is forwarded for your information and referral to Licensing.

The management interview was not held on the day the inspection was concluded because of the unavailability of adequate levels of management at the site. The management meeting was held one week later.

Two items of nonconformance were identified and documented in our letter to the licensee.

We have concerns in the area of electrical cable routing since the applicant has not fully developed a system for independent verification of cable routing, at least one that is readily field auditable by our inspectors. The applicant is considering electronic checking of cable routing.

We recommend that the following questions relating to the reactor control console, identified by our inspectors, be referred to Licensing for review and resolution:

1. The licensee is using a three-light display (only two of which are on at all times) adjacent to a circuit breaker switch mounted on the console to provide information for the control room operator relative to the availability of control dc on vital circuit breakers, which does not appear to meet the intent of IEEE-279.

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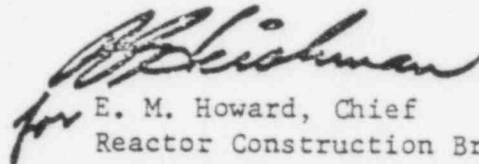
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2. There is a series of terminal arrays associated with engineered safeguards circuits which are located in the cable spreading room below the console which are to be left open. This action would expose the terminals to hazards remaining to the end of construction and to additional hazards encountered during troubleshooting and maintenance.
3. The separation criteria to be applied to cabling located beneath the console has not been defined. The licensee has taken the position that the terminal array is an extension of the console even though located in the room below that; therefore, he need not satisfy criteria established for trays.


for E. M. Howard, Chief
Reactor Construction Br., RC:I

Enclosure:
Subject Inspection Report

cc: P. A. Morris, RO
H. D. Thornburg, RO
R. H. Engelken, RO
J. G. Keppler, RO
R. Minogue, RS (3)
R. S. Boyd, L (2)
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D. J. Skovholt, L (3)
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RO Files
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