

MEETING SUMMARY DISTRIBUTION

ORB#4

Mr. R. C. Arnold  
Senior Vice President  
Metropolitan Edison Co.  
100 Interpace Parkway  
Parsippany, New Jersey 07054

Docket File  
NRC PDR  
L PDR  
ORB#4 Rdg  
NRR Rdg  
H. Denton  
E. G. Case

D. Eisenhut  
R. Purple  
R. Clark  
S. Varga  
T. Novak

T. Ippolito

AEOD - HELTEMES

R. Reid  
R. Tedesco  
g. Laines

Project Manager - DiIanni  
OELD  
OI&E (3)  
R. Ingram  
R. Fraley, ACRS (16)  
Program Support Branch  
~~TERA~~  
J. R. Buchanan  
Meeting Summary File  
NRC Participants

T. LEE  
P. S. KOLTAY  
MARK GREENBURG  
SCOTT HUDSON  
G. J. FERNANDEZ  
R. FERGUSON  
GREG HARRISON

8005220329 F



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

May 9, 1980

Docket No. 50-289

FACILITY: Three Mile Island, Unit 1 (TMI-1)  
LICENSEE: Metropolitan Edison Company (Met Ed)  
SUBJECT: SUMMARY OF APRIL 15, 1980 MEETING WITH MET ED AND THE NRC STAFF ON  
FIRE PROTECTION

On April 15, 1980, the NRC staff met with representatives of Met Ed and their consultants to discuss open items on the fire protection program for TMI-1. Fifteen open items appearing in the fire protection safety evaluation report of license Amendment No. 44 dated September 14, 1978 were covered during the meeting. Specifically, these **open** items are identified in the NRC staff comment letter to the licensee dated February 7, 1980. The licensee responded to our comments by letter dated March 19, 1980 forming a basis for the meeting. The purpose of this meeting was to resolve issues raised as a result of our review of the licensee's response to our comments. A list of attendees is enclosed (Enclosure 1).

As a result of our discussions with the representatives of Met Ed we have concluded that the information furnished on eight of the 15 open items is adequate to complete our review and no further input is required from the licensee. These items are as follows:

- 3.1.1 Fire Detectors (4.2)
- 3.1.13 Reactor Coolant Pump (5.1)
- 3.2.3 Effects of Water Spray (4.3.16)
- 3.2.14 Fire Door Supervision (4.9.1)
- 3.1.11 Fire Barriers at Reactor Bldg. Emergency Cooling Valves (5.5)
- 3.2.1 Protection of Emergency Feedwater Pumps (5.5)
- 3.2.13 Protection of Relay Room (5.1)
- 3.2.6/3.1.8 Unlabeled Fire Doors (4.9.1)

The licensee agreed to furnish additional information on three items in order that we may complete our review. These items are as follows:

- 3.1.9 Fire Barrier Penetration (4.9.3, 4.9.4)

The licensee is to furnish documentation justifying that the TMI-1 penetration seals will not fail under the differential pressures that may exist in a fire.

The justification for the penetration seals may be based on the seal tests run by Duke Power Company for the McGuire Nuclear Power Station by showing that the TMI-1 and McGuire seals are equivalent. The staff agreed to provide the licensee with a copy of the McGuire test report.

### 3.2.4 Adequacy of the Detector System Design

The licensee is to furnish the system design criteria, the design parameters considered and how the value of these parameters affect the selection of the type and spacing of the detectors.

#### 3.2.12 Emergency Lighting

The licensee is to submit for staff review, the criteria for selecting emergency lighting areas, assumptions made in the design and detail reasons for selecting the installed lighting systems.

Four items listed below were not resolved:

3.2.9 Transient Combustibles (4.10)

3.2.2 Cable Separation (4.10)

3.2.15 Engineered Safety Cabinets (5.16)

3.1.4 Automatic Sprinkler (4.3.15)

Options available to the licensee in resolving these items are as follows:

1. The licensee may elect, on these open items to accept our positions transmitted by our letter dated February 7, 1980.
2. The licensee may also elect to defer his decision until the proposed fire protection rule (10 CFR 50 Appendix R) becomes effective and then provide the adequate separation between safety related and fire suppression that is required by that rule.

During the discussions of the effects of water spray (Item 3.2.3) the staff expressed concern about the adequacy of the separation between safety related Motor Control Centers MCC1A and 1B (Fig. E-023-003) and between engineered safeguards actuation and relay cabinets (Fig. E-023-016). We will resolve these concerns during the resolution of Items 3.2.9, 3.2.2, 3.2.15 and 3.1.4.

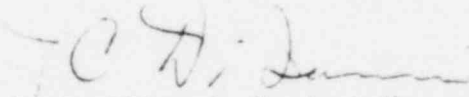
The NRC's criterion for Alternate Shutdown Capability was transmitted to the licensee by letter dated September 11, 1979. The licensee is to submit the information required by this letter as part of the response to Item b below. The NRC criterion applies to the alternate shutdown capability being provided under Item 3.1.21 as well as that provided for other areas.

The licensee expects to complete all open items by November 1, 1980 except for the alternate shutdown capability (Item 3.1.21) which the licensee committed to a completion date of May 30, 1981.

In regard to schedule the licensee committed to submit the following within two weeks from date of the meeting.

- a. Additional information (note above) on Items 3.1.9, 3.2.4 and 3.1.12
- b. The Design Criteria on the Alternate Shutdown Capability (Item 3.1.21)
- c. A change request to include justification for a revised Table 3.1.1 of Amendment No. 44

The licensee plans to submit their positions on Items 3.2.9, 3.2.2, 3.2.15 and 3.1.4 after the issuance of the 10 CFR 50 Appendix R. This rule is expected to be effective in about 60 days from the date of this meeting.

  
D. C. DiIanni, Project Manager  
Operating Reactors Branch #4  
Division of Licensing

Enclosure:  
List of Attendees

cc w/enclosure:  
See attached page

TMI-1

April 15, 1980

Fire Protection Meeting Attendees

NRC

Dominic C. DiIanni  
Peter S. Koltay  
Mark Greenburg  
Scott Hudson  
Greg J. Fernandez  
Tim M. Lee  
R. L. Ferguson  
Greg Harrison

GPUSC

William F. Itschner

BNL

Ed Mac Dougall

MET ED

Thomas A. O'Conner  
Joseph J. Colitz  
David G. Mitchell

GILBERT ASSOCIATES

Russell M. Rogers  
Paul Shipper  
Ronald J. Stevens  
William A. Brannen

ROLF, JENSEN & ASSOCIATES, INC.

Jacob B. Klevan