

JUN 22 1984

DMB o/b


Docket No. 50-289

MEMORANDUM FOR: John F. Stolz, Chief, Operating Reactors Branch #4, DL  
FROM: Harley Silver, Project Manager, Operating Reactors  
Assessment Branch, DL  
SUBJECT: FORTHCOMING MEETING WITH GPU ON FIRE PROTECTION AT TMI-1  
Time & Date: Monday, July 2, 1984  
10:00am-5:00pm  
Location: Phillips Building, P-110  
Bethesda, Maryland  
Purpose: To discuss Fire Area vs. Fire Zone Exemptions requests,  
and use of Rockbestos Cable, per attached agenda.  
Requested  
Participants: NRC-JStolz, HSilver, TWambach, RFerguson, VBenaroya, DKubicki  
Licensee-MIgbal, et al.

**"ORIGINAL SIGNED BY:"**

Harley Silver, Project Manager  
Operating Reactors Assessment Branch, DL

cc: See next page

  
ORAB:DL  
HSilver;cf  
6/22/84

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MEETING NOTICE DISTRIBUTION

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Regional Administrator Region(s) I  
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NRC Meeting Participants:

TWambach  
DKubicki  
RFerguson  
VBenaroya  
WJohnston  
REberly  
DNotley  
ADalton  
OParr



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

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Harley Silver, Project Manager  
Operating Reactors Assessment Branch, DL

cc: See next page

## AGENDA

MEETING WITH GPU ON JULY 2, 1984

### Topics of Discussion

- 1) Fire Area vs. Fire Zone Exemption Requests; and
- 2) Use of Rockbestos cable in lieu of 1 hand fire barriers

#### I. Fire Area vs. Zones

- Discuss the impact of the loss of safe shutdown systems on adjoining fire zones caused by fire propagation (i.e., flame, smoke, hot gases) through common zone boundaries.
- Discuss possible plant modifications necessary to create complete physical barriers which would prevent fire propagation through common zone boundaries (including tech. spec. provisions).
- Identify zones protected by complete automatic sprinkler systems which would mitigate fire propagation through zone boundaries.
- Provide additional information on the following plant features relevant to the exemptions:
  - "reach rod" penetrations
  - unrated fire doors in zone boundaries
  - steel plates/hatches in zone boundaries
  - unrated penetration seals

#### II. Rockbestos Cable

- Discuss the resolution of the following staff concerns/questions related to the use of the fire rated cable in lieu of a 1 hour fire barrier:
  1. Debris formation
  2. Free of fire damage
  3. Conservatism of ASTM E-119
  4. Voltage transients
  5. Cable ratings
  6. Wet short post fire conditions
  7. Thermal expansion forces
  8. Post fire mechanical forces
  9. Post-test cable operability
  10. Discuss the procedures to be implemented to assure that the cable to be installed in the plant is of the same quality as the cables subjected to the U.L. Fire Test.

NOTE: Concerns 1-9 were fully elaborated in our March 14, 1984 letter to GPU.