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

MAY 6 1981

Docket No.: 50-341

MEMORANDUM FOR: B. J. Youngblood, Chief, Licensing Branch No. 1, DL

FROM: L. L. Kintner, Project Manager, Licensing Branch No. 1, DL

SUBJECT: MEETING WITH DETROIT EDISON REGARDING THE REVIEW OF THE FERMI 2 APPLICATION FOR AN OPERATING LICENSE

DATE AND TIME: June 1 - June 4, 1981
~~May 5 - May 8, 1981~~
9:00 AM

LOCATION: Fermi 2 Plant
Monroe, Michigan

PURPOSE: To review design and view installation of selected safety-related electrical equipment. (Agenda attached).

PARTICIPANTS: Detroit Edison Company

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NRC Staff

Robert Fitzpatrick, A. Saeed

L. L. Kintner

L. L. Kintner, Project Manager
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Attachment

cc: See next page

Date Change

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Dr. Wayne Jens
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AGENDA FOR SITE VISIT - POWER SYSTEMS

1. Preliminary Discussions
   a. Unresolved items (degraded grid voltage)
   b. Plant layout for touring

2. Control Room
   a. General layout
   b. Diesel control board
   c. Cabling in control room (separation, loading, etc.)
   d. Engineered safety feature initiation and bypass switch arrangements and status panels.
   e. Power system control and mimic panel
   f. D.C. system monitoring and alarms

3. Cable Runs and Cable Spreading Area
   a. General layout
   b. Degree of separation
   c. Diverse wiring
   d. Tray or wireway density (percentage fill).
   e. Penetrations and cable terminations.
   f. Identification of cables and raceways

4. Switchgear Rooms
   a. General layout
   b. Physical and electrical separation of redundant units
   c. Potential for damage due to fire, missiles, etc.

d. Cable installation

5. Battery and Charger Installations

a. General layout

b. Physical and electrical separation

c. Potential for damage due to fire, missiles, etc.

d. Ventilation independence

e. Monitoring instrumentation, and alarms

6. Diesel Generators

a. General layout

b. Physical and electrical separation of redundant units

c. Fuel supply system

d. Diesel generator local control panel(s) and instruments and controls

7. Switchyard

a. General layout

b. Physical and electrical separation of transmission circuits, buses, breakers, and control circuits

c. Relay house

d. Control power supplies (AC and DC)

e. Potential for damage due to fire, flooding, missiles, etc.

8. Reactor Building

   a. General layout

   b. Potential for cable damage due to fire, missiles, pipe breaks, etc.

   c. Separation of piping and cable to redundant equipment

9. Shutdown Outside Control Room

   a. Remote shutdown panels arrangement, separation, and layout

   b. potential for damage due to fire, missiles, etc.

   c. identification of control and monitoring equipment

10. Relay Room

   a. General layout

   b. Nuclear and reactor protection instrument cabinet arrangement, separation, and identification

   c. Potential for damage due to fire, missiles, etc.

11. ESF Systems and Pump Rooms

   a. General layout

   b. Physical and electrical separation of redundant equipment

   c. Potential for damage due to fire, missiles, etc.

   d. Cable and raceway layout

   e. Identification of cables, raceways, and equipment

12. Vital Instrumentation Power Supply Installation

a. General layout

b. Physical and electrical separation

c. Potential for damage from fire, missiles, etc.

d. Monitoring instrumentation

e. cable and raceway layout

f. Identification of cables, raceways, and equipment

Reissued:
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NRC Participants:

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bcc: Applicant & Service List

Date Change

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