

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

December 11, 1985

Docket No. 50-410

MEMORANDUM FOR:	Elinor G. Adensam, Director Project Directorate No. 3 Division of BWR Licensing
FROM:	Mary F. Haughey, Project Manager Project Directorate No. 3 Division of BWR Licensing
SUBJECT:	FORTHCOMING MEETING WITH NIAGARA MOHAWK POWER CORPORATI (NMPC) ON NINE MILE POINT 2 (NMP-2)

DATE & TIME: December 17 and 18, 1985

LOCATION: Nine Mile Point Unit 2 Site Scriba, New York

PURPOSE: To tour the NMP-2 site and review issues in the area of Power Systems. (Agenda enclosed)

PARTICIPANTS:\* NRC

<u>NMPC</u>

M. Haughey J. Lazevnick A. Vierling, et al.

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Mary F. Haughey, Project/Manager Project Directorate No. 3 Division of BWR Licensing ON

Enclosure: As stated

cc: See next page

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\*Meetings between NRC technical staff and applicants for licenses are open for interested members of the public, petitioners, intervenors, or other parties to attend as observers pursuant to "Open Meeting Statement of NRC Staff Policy", 43 <u>Federal Register</u> 28058, 6/28/78. Members of the public wishing to attend the meeting should contact M. Haughey (301) 492-7897 by December 13, 1985. The site tour may not be open to the public.

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## **ENCLOSURE**

# AGENDA FOR SITE VISIT AND DRAWING REVIEW POWER SYSTEMS BRANCH JIM LAZEVNICK

#### 1. Unresolved Items

- a. Non-Class 1E devices connected to Class 1E power supplies (Part of Open Item No. 11)
- Final setpoint of the degraded voltage relay. (Confirmatory Item 28)
- c. Clarifying notes on LFMG set fault current decrement curve (FSAR fig. 8.3-8B) (Confirmatory Item 29)
- d. Testing of circuit breakers in circuits run in flex conduit in PGCC.
- e. Annunication of test position on HPCS diesel generator local engine control switch
- f. Coincident logic on "Timed overcurrent" trip of HPCS diesel generator during LOCA

# 2. Control Room

- a. Diesel control board, D/G inoperable status alarms
- b. Power system control and mimic panel
- c. DC system monitoring and alarms
- d. Separation of wiring in PGCC floor sections (examples of redundant overcurrent protection for circuits in flexible conduit)
- e. Separation of wiring in panels (examples of areas where cable connector housings are used as a separation barrier, and examples of areas where only 2 inches of separation is provided between Class 1E wiring and utility circuits to light fixtures.
- 3. <u>Cable Runs and Cable Spreading Area</u>
  - a. General layout
  - Degree of separation (examples of areas where tests and analysis are used to justify separation)

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- c. Penetrations and cable terminations
- d. Identification of cables and raceways (15 ft. color-marking interval)
- e. Separation of field run (unscheduled) cables
- f. Separation between Aluminum sheath cables (ALS) used for fire detection systems and Class IE circuits
- g. Examples of 1 inch separation between lighting cord drops to lighting fixtures and Class 1E raceways

# 4. Switchgear Room

- a. General layout
- b. Physical and electrical separation of redundant units
- c. Cable installation

## 5. Battery and Charger Installation

- a. General layout
- b. Physical and electrical separation
- c. Monitoring instrumentation and alarms

### 6. <u>Diesel Generators</u>

- a. General layout
- b. Physical and electrical separation of redundant units

# 7. Switchyard

- a. General layout
- b. Physical and electrical separation of transimission, buses, breakers, and control circuits
- c. Relay house
- d, Control power supplies (AC or DC)

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- 8. <u>Reactor Building</u>
  - a. General layout
  - b. Separation of piping and cabling to redundant equipment
- 9. <u>RPS & MSIV Power Supplies</u>
  - a. RPS MG sets and associated electrical protection assemblies
  - b. RPS & MSIV inverters and associated electrical protection `assemblies
  - c. Transfer scheme between normal and alternate power supplies
  - d. Distribution panels
- 10. ESF Systems and Pump Rooms
  - a. General layout
  - b. Physical and electrical separation of redundant equipment
  - c. Identification of cables, raceways, and equipment
- 11. Vital Instrumentation Power Supply Installation
  - a. General layout
  - b. Physical and electrical separation
  - c. Monitoring instrumentation
  - d. Identification of cables, raceways, and equipment
- 12. <u>System Drawings</u>
  - a. As built D/G control drawings showing (1) bypassing of protective trips on SIAS and (2) SIAS override test mode to permit response to SIAS signal.
  - b. Load sequencing relay schematics
  - c. Relay protection schematics showing sensing and switching arrangements of the first and second level undervoltage protection relays

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ч л d. Sample as built schematics showing thermal overload bypass

- e. Sample as built schematics showing automatic disconnection of nonsafety loads from the safety buses on a safety injection signal.
- 13. Walkdown of electrical separation of RHR pumps.

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