

MAY 14 1985

Docket Nos. : STN 50-456  
and STN 50-457

Mr. Dennis L. Farrar  
Director of Nuclear Licensing  
Commonwealth Edison Company  
P. O. Box 767  
Chicago, Illinois 60690

Dear Mr. Farrar:

Subject: Site Visit to Braidwood Station, Units 1 and 2

A site visit to Braidwood Station is required, as specified in the Braidwood SER, for verification of proper implementation of the design criteria concerning physical identification, separation, and independence of redundant safety-related electrical systems. The site visit is scheduled for May 21 through 23, 1985, as previously discussed with the applicant. The proposed agenda for this visit is enclosed.

During the site visit, the areas listed on the agenda will be surveyed. Also, discussions will be held with the applicant and architect/engineer concerning the electrical cable separation issues identified during the Braidwood Construction Appraisal Team (CAT) inspection. The site visit will be concluded with an exit meeting where the NRC findings and follow-up actions, if any, will be summarized. For further information or clarification, contact the Braidwood Project Manager, J. A. Stevens, at (301) 492-7144.

B. J. Youngblood, Chief  
Licensing Branch 1  
Division of Licensing

Enclosure: Site Visit Agenda

Distribution:

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BRAIDWOOD

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## BRAIDWOOD UNITS 1 AND 2

AGENDA SITE VISIT1. Control Room

- a. General layout
- b. Diesel control board, D/G inoperable status alarm
- c. Cabling in control room (separation)
- d. ESF initiation and bypass switch arrangement and status panel
- e. Annunciator panel
- f. DC system monitoring and alarm
- g. Nuclear and reactor protection instrument cabinet arrangement, separation and identification

2. Cable Runs and Cable Spreading

- a. General layout
- b. Degree of separation
- c. Tray or wireway density (percentage fill)
- d. Penetrations and cable terminations
- e. Identification of cables and raceways

3. Switch Gear Rooms

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

4. Battery and Charger Installations

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

5. Diesel Generator

- a. General layout
- b. Physical and electrical separation of redundant units
- c. Fuel supply systems
- d. D/G local control panels, instruments and control
- e. Auxiliary systems-starting air, combustion air, ventilation, engine cooling

6. Switch Yard

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

7. Reactor Building

- a. General layout
- b. Separation of piping and cabling to redundant equipment

8. Steam Lines

Flow path below MSIV's - source of control (local, control room etc.)

9. Shutdown Outside Control Room

- a. Remote shutdown panel arrangement, separation and layout
- b. Identification of control and monitoring equipment

10. ESF Systems and Pump Rooms

- a. General layout
- b. Physical and electrical separation of redundant equipment
- c. Cable and raceway layout
- d. Identification of cables, raceways and equipment

11. Vital Instrumentation Power Supply Installation

- a. General layout
- b. Physical and electrical separation
- c. Monitoring instrumentation
- d. Cable and raceway layout
- e. Identification of cables, raceways and equipment