

U. S. NUCLEAR REGULATORY COMMISSION

REGION III

Report No. 50-237/86007(DRS)

Docket No. 50-237

License No. DPR-19

Licensee: Commonwealth Edison Company
Post Office Box 767
Chicago, IL 60690

Facility Name: Dresden Station, Unit 2

Inspection At: Dresden Site, Morris, IL

Inspection Conducted: March 25, 1986

Inspector: *D. H. Danielson*
J. T. Yin

4/4/86
Date

Approved By: *D. H. Danielson*
D. H. Danielson, Chief
Materials and Processes Section

4/4/86
Date

Inspection Summary

Inspection on March 25, 1986 (Report No. 50-237/86007(DRS))

Areas Inspected: Announced, special inspection to review activities related to the Main Steam (MS) Transient Monitoring System.

Results: No violations or deviations were identified.

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DETAILS

1. Persons Contacted

Commonwealth Edison Company (CECo)

J. Brunner, Assistant Superintendent, Technical Services
J. Achterberg, Technical Staff Supervisor
M. L. Reed, SNED Engineer
*S. E. Kuczynski, Technical Staff Engineer
D. Adam, Regulatory Assurance Staff

Sargent and Lundy Engineer (S&L)

D. E. Olson, Project Engineer
D. M. McFarland, Senior Engineer Specialist

USNRC - RIII

*E. A. Hare, Resident Inspector

*Denotes those attending the management exit meeting on March 25, 1986.

2. Review of Strain Gage (SG) Signal Indications

Since the issuance of RIII Confirmatory Action Letter (CAL) 85-04 on April 5, 1985, there have been 34 SG signal indications observed on the MS transient monitoring system. The inspector's review of earlier signal indications were documented in RIII Inspection Reports No. 50-237/85018, No. 50-237/85024, and No. 50-237/85034. The inspector reviewed the following two strain gage (SG) signal trip charts during this inspection:

- ° Occurrence No. 29 - Notification to RIII was made on January 24, 1986. A written report and safety evaluation was sent to RIII in CECo letter 86-80, dated February 4, 1986.
- ° Occurrence No. 30 - Notification to RIII was made on January 31, 1986. A written report and safety evaluation was sent to RIII in CECo letter 86-80, dated February 4, 1986.

As a result of the review the inspector concurred with the licensee's conclusion that the MS transient monitoring system trips were spurious in nature and were caused by the electrical interference generated from the movement of the source and intermediate range reactor power level monitors.

3. Replacement of the Existing Monitoring System with the Megadac System

S&L engineers were assigned the responsibility to replace the present Gould monitoring system with a Megadac system. The Megadac unit was received on November 1, 1985, and S&L engineers became familiar with operation of the system and verified system functionality during November and December 1985. In January 1986 S&L engineers returned the unit to Optim, the manufacturer, for some reconfiguration. Trial installation of the Megadac unit using one LVDT and one SG installed on the MS monitoring system was accomplished during February 1986.

During the NRC inspection, drafts of the following documents were reviewed:

- ° Installation Procedure
- ° Functional Test for Megadac Snubber Monitoring System
- ° MS Line Snubber Monitoring System

The NRC inspector discussed these draft documents with the CECO and S&L staff and observed the Megadac unit at the assigned location. The NRC inspector concluded that the measures taken by the licensee were adequate.

4. Exit Interview

The Region III inspector met with licensee representatives (denoted in Paragraph 1) at the conclusion of the inspection on March 25, 1986. The inspector summarized the scope and findings of the inspection. The inspector also discussed the likely informational content of the inspection report with regard to documents reviewed by the inspector during the inspection. The licensee representatives did not identify any such documents as proprietary.