

NOTICE OF VIOLATION

Iowa Electric Light and Power
Company

Docket No. 50-331

As a result of the inspection conducted on April 13-29, 1987, and in accordance with 10 CFR Part 2, Appendix C - General Statement of Policy and Procedure for NRC Enforcement Actions (1985), the following violations were identified:

1. 10 CFR 50.49 Paragraph (f) requires each item of electrical equipment important to safety to be qualified by testing and/or analysis.

Contrary to the above the inspectors found the following EQ equipment not demonstrated to be qualified by test or analysis.

- a. The AMOCO Rykon EP-1 lubricant used in EQ equipment was determined to be not qualified because the licensee had attempted to qualify the lubricant based on similarity to other tested lubricants which did not have the EP additive.
- b. Eleven Peerless and Reliance motors were determined to be not qualified because the licensee had attempted to qualify the motor Class B insulation based on an unacceptable generic qualification of Class B motors.
- c. Victoreen cable assemblies were determined to be not qualified because of a lack of documentation addressing the effects of cable insulation resistances or leakage currents on the accuracy of the Victoreen system during a LOCA and the adequacy of this accuracy for plant applications.
- d. Lead splices on two fan motors were determined to be unqualified because the EQ files did not address their qualification.

This is considered a Severity Level IV violation (Supplement 1D).

2. 10 CFR 50.49 Paragraph (j) requires a record of the qualification of EQ equipment to be maintained in an auditable form to permit verification that the equipment is qualified for its application and meets its performance requirements during an accident.

Contrary to the above the inspectors found the following deficiencies in the licensee's EQ files.

- a. Cable files did not address performance acceptance criteria, in that measured values for insulation resistance or leakage current were not addressed.
- b. Various SCEW sheets did not properly address the qualification of EQ equipment for submergence, accuracy, and required environmental parameters for qualification.

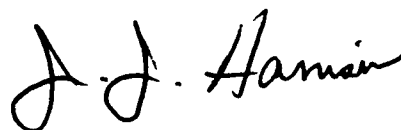
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- c. The basis for the similarity of qualified Amerace terminal blocks to tested terminal blocks was not part of the EQ file.
- d. The LOCA test report for the qualification of the Kerite 5KV cable was not part of the EQ file.

This is a Severity Level IV violation (Supplement ID).

Pursuant to the provisions of 10 CFR 2.201, you are required to submit to this office within thirty days of the date of this Notice a written statement or explanation in reply, including for each violation: (1) corrective action taken and the results achieved; (2) corrective action to be taken to avoid further violations; and (3) the date when full compliance will be achieved. Consideration may be given to extending your response time for good cause shown.

MAY 18 1987
Dated



J. J. Harrison, Chief
Engineering Branch