

APPENDIX A  
NOTICE OF VIOLATION

Duke Power Company  
Catawba

Docket No. 50-413  
License No. CPPR-116

As a result of the inspection conducted on August 1-5, 1983, and in accordance with the NRC Enforcement Policy, 47 FR 9987 (March 9, 1982), the following violations were identified.

- A. 10 CFR 50, Appendix B, Criterion III as implemented by Duke Power Topical Report "Duke-1-A", Section 17, paragraph 17.1.3, requires that design control measures shall include provisions to assure that appropriate quality standards are specified and included in design documents and that deviations from such standards are controlled. The measures shall provide for verifying or checking the adequacy of design by calculational methods.

DPC QA Manual procedure PR-101, paragraph 1.1.8 requires that calculation shall include identification of sources of information, data, equations, etc., employed in the calculation. Paragraph 1.1.9 requires a complete presentation of the calculation such that anyone appropriately qualified could review the calculation. Paragraph 2.2.1 requires the checker to review data and design method used, to check the calculation step by step, and to check the activity and/or revisions for completeness, clarity, and accuracy.

Contrary to the above, design calculations for problems CN-1492-NB-152A, Rev. 1 and CN-1492-NB-267A, Rev. 3 did not meet the above requirements in that:

1. Sources of information, data, equations, appendices, applicable tables, etc., were not identified.
2. A complete presentation of the calculation such that anyone appropriately qualified could review the calculation was not available.
3. The checker failed to verify proper thermal load calculations for problem CN-1492-NB-152A and failed to correct anchor seismic load calculations for problems CN-1492-NB-152A and CN-1492-NB-267A for completeness, clarity, and accuracy.

This is a Severity Level IV Violation (Supplement II).

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- B. 10 CFR 50, Appendix B, Criterion V as implemented by Duke Power Company (DPC) Topical Report "Duke-1-A", Section 17, paragraph 17.1.5, requires in part that activities affecting quality be accomplished in accordance with instructions, procedures, or drawings. Hanger drawing 1-R-KC-0392, Rev. 5 requires that the sway angle for the snubber be limited to a maximum of 1°.

Contrary to the above, activities affecting quality were not being accomplished in accordance with documented instructions, procedures, or drawings in that QC accepted Hanger No. 1-R-KC-0392, Rev. 5 was not installed within the maximum 1° tolerance. The actual measurement for the sway angle was 2.1°.

This is a Severity Level V Violation (Supplement II).

Pursuant to the provisions of 10 CFR 2.201, you are hereby required to submit to this office within thirty days of the date of this Notice, a written statement or explanation in reply, including: (1) admission or denial of the alleged violations; (2) the reasons for the violations if admitted; (3) the corrective steps which have been taken and the results achieved; (4) corrective steps which will be taken to avoid further violations; and (5) the date when full compliance will be achieved. Consideration may be given to extending your response time for good cause shown.

Date: SEP 7 1983