ENCLOSURE 1

NOTICE OF VIOLATION

Carolina Power and Light Company
Harris

Docket No. 50-400
License No. CPPR-158

The following violation was identified during an inspection conducted on March 24 - 28, 1986. The Severity Level was assigned in accordance with the NRC Enforcement Policy (10 CFR Part 2, Appendix C).

Appendix B of 10 CFR 50, Criteria V, as implemented by Harris PSAR Section 17.1.5, requires that activities affecting quality shall be accomplished in accordance with documented instructions, procedures and drawings.

Paragraph III.B of Harris Design Guidelines 7.2.c, requires that design verification and documentation shall be performed in accordance with the requirements of ANSI N45.2.11-1974. It also requires that the HPES Final Review/Checker shall review design calculations for completeness, consistency with previous field changes/modifications, and consistency with the latest drawing revision. The design calculation package shall include the signature of the checker.

Contrary to the above, activities affecting quality had not been accomplished in accordance with documented procedures in that a review of the final design calculations for support 1-SI-H-1284, Rev. OS4, in the safety injection system revealed the following discrepancies:

1. Information on field modification MOD OS3-M-6 was not incorporated into the latest drawing revision for which a field weld still showed at the wrong location between member item 9 and item 19.

2. Weld evaluation was not addressed in the design calculations for structural plates item 19 and item 6 which were utilized to withstand an external load of 2730 pounds.

3. STRUDL analysis computer run was performed on November 4, 1985 for the support design. This computer analysis had not been signed by a qualified checker as required by the procedure. As a result, the accuracy of the computer analysis can not be assured.

4. Input of the computer analysis for members 12 and 13 had not been made to reflect the actual size of the structural plates which together were utilized to withstand an external force of 5461 pounds. Accordingly, the output of the computer analysis for the member forces, member stresses, and joint displacement could not represent the actual structural behavior of these two structural members.

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

Pursuant to 10 CFR 2.201, you are required to submit to this office within 30 days of the date of this Notice, a written statement or explanation in reply, including: (1) admission or denial of the alleged violation; (2) the reasons for the violation if admitted; (3) the corrective steps which have been taken and the results achieved; (4) corrective steps which will be taken to avoid further violation; and (5) the date when full compliance will be achieved.

Security or safeguards information should be submitted as an enclosure to facilitate withholding it from public disclosure as required by 10 CFR 2.790(d) or 10 CFR 73.21.

Date: APR 3 0 1986