

ENCLOSURE 1

NOTICE OF VIOLATION

Georgia Power Company
Vogtle

Docket Nos. 50-424 and 50-425
License Nos. NPF-61 and CPPR-109

During the Nuclear Regulatory Commission (NRC) inspection conducted on April 18-22 and May 2-5, 1988, a violation of NRC requirements was identified. In accordance with the "General Statement of Policy and Procedure for NRC Enforcement Actions," 10 CFR Part 2, Appendix C (1988), the violation is listed below:

Title Ten Code of Federal Regulation Part 50, Appendix B, Criterion V requires that activities affecting quality to be prescribed by documented drawings and procedures of a type appropriate to the circumstances and that those activities be accomplished in acceptance with those drawings and procedures.

The Final Safety Analysis Report (FSAR) Section 6.5.1.3.E states in part "the ESF filter systems are designed to seismic Category 1 requirements."

American Air Filter (AAF) letter dated April 1, 1988, appropriate to all the Engineered Safety Feature (ESF) air filter housing units in both units states in part: "To meet the seismic qualification, the angle clips should be bolted to the base channels with Type A-449 high strength bolts, or equivalent, pretensioned to meet the friction connection requirement." Type A-449 bolts have a minimum required tensile strength of 105 KIPS Square Inch (KSI)

The following procedures are appropriate to the installation of ESF air filter housing 2-1561-N7-001. Procedure JP-513 "Installation and Inspection of High Strength Bolts", Paragraph 5.4 requires that bolted contact surfaces have burrs removed and shall be free of dirt, oil, loose scale, pits or other defects that would prevent solid seating or sound bearing of component parts. Paragraph 6.2.2.d.1 requires that washers shall be installed under the bolt head and nut when the hole enlargement exceeds 1/8." Bechtel Power Company (BPC) drawing 2X4AJ07-325-7, Section "BB", specifies 3/4-10 bolts.

The following were identified as appropriate for Heating Ventilation and Air Conditioning (HVAC) Nuclear Safety-Related, Seismic Class 1, Duct Support No. 2-132-88 depicted on Field Change Request (FCR) No. FCRB-5367F and on the following BPC Drawings No. AXD67W041 Revision 1. Drawing AXD67W041 Details for Type 301, specifies dimension "D" (the distance between the center line of the duct section and a 5x5x3/8-inch square tube) to be 1-foot 0 inches maximum (12-inches maximum).

- a. Contrary to the above, procedures and drawings were not, of a type, appropriate to the circumstances, to assure that proper bolting materials would be correctly installed, to comply with the commitments of the FSAR, as evidenced by the following: Drawing 2X4AJ07-325-7 Section "B-B" specified "3/4-10 Hardware (by AAF)" with no specification of bolt type, or torque (pretension) requirements. The omission resulted in the Unit One ESF air filter housing assemblies being installed with snug tight (not pretensioned) unmarked bolts (presumed A-307 with a tensile strength of 60 KSI). The Unit Two ESF filter housing assemblies were installed with snug tight (not pretensioned) high strength bolts.
- b. Contrary to the above, activities affecting quality were not accomplished in accordance with procedures, in that the installing craftsmen failed to install ESF air filter housing units and HVAC duct support in accordance with drawings and procedures, and the QC inspectors accepted those discrepant conditions. Specific examples are listed below:
 1. Relative to the ESF air filter housing assembly No. 2-1561-N7-001:
 - (a) Bolted contact surfaces were not free of defects (interfering fillet welds) that prevented solid seating and sound bearing of the component parts.
 - (b) Washers were not installed under the bolt heads over the slotted holes.
 - (c) A 5/8-inch diameter bolt was used when a 3/4-inch diameter bolt was required.

- 2.. Relative to HVAC duct Support No. 2-132-88:

The actual "D" dimension is 14-1/2-inches.

The conditions cited in A and B. above have existed in some part since April 24, 1984. The licensee has had at least 14 opportunities to discover portions of the cited conditions.

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

Pursuant to the provisions of 10 CFR 2.201, Georgia Power Company is hereby required to submit a written statement or explanation to the Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, DC 20555, with a copy to the Regional Administrator, Region II, and a copy to the NRC Resident Inspector, Vogle, within 30 days of the date of the letter transmitting this Notice. This reply should be clearly marked as a "Reply to a Notice of

Georgia Power Company
Vogtle

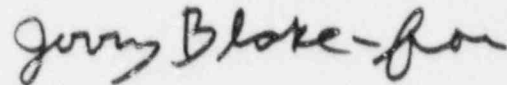
3

Docket Nos. 50-424 and 50-425
License Nos. NPF-61 and CPPR-109

Violation" and should include [for each violation]: (1) admission or denial of the violation, (2) the reason for the violation if admitted, (3) the corrective steps which have been taken and the results achieved, (4) the corrective steps which will be taken to avoid further violations, and (5) the date when full compliance will be achieved. Where good cause is shown, consideration will be given to extending the response time. If an adequate reply is not received within the time specified in this Notice, an order may be issued to show cause why the license should not be modified, suspended, or revoked or why such other action as may be proper should not be taken.

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.

FOR THE NUCLEAR REGULATORY COMMISSION



Alan R. Herdt, Chief
Engineering Branch
Division of Reactor Safety

Dated at Atlanta, Georgia
this 26th day of May 1988