

Georgia Power Company
333 Piedmont Avenue
Atlanta, Georgia 30308
Telephone 404 526-6526

Mailing Address
Post Office Box 4546
Atlanta, Georgia 30302

September 28, 1982



the southern electric system

Power Generation Department

Director of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Mr. Darrell G. Eisenhut, Director

NRC DOCKETS 50-321, 50-366
OPERATING LICENSES DPR-57, NPF-5
EDWIN I. HATCH NUCLEAR PLANT UNITS 1, 2
ENVIRONMENTAL QUALIFICATION OF SAFETY-RELATED EQUIPMENT

GENTLEMEN:

As requested by the NRC in Mr. D. Eisenhut's letter dated October 1, 1980, GPC hereby submits information relating to upcoming environmental qualification testing programs for certain safety-related equipment to be installed at Plant Hatch. The attached table provides a schedule for qualification testing of the Analog Transmitter Trip System (ATTS). It is anticipated that this system may be integrated into Plant Hatch beginning in spring, 1983.

The ATTS is a General Electric Company (GE) supplied system which GPC has purchased for Plant Hatch, not only to aid in meeting the NRC I&E Bulletin 79-01B requirements, but also to improve the reliability and availability of Plant Hatch generation. The ATTS is a solid-state electronic trip system designed to provide stable and accurate monitoring of various process parameters and replaces many existing water level, pressure, and temperature switches with solid-state electronic transmitters and trip relays. For Plant Hatch, these replacements will be associated with equipment which monitor and control various functions in the Emergency Core Cooling and Reactor Protection Systems.

The ATTS is presently being qualified to the requirements of IEEE 344-1975 and IEEE 323-1974 in accordance with the methodology specified in NUREG-0588, for Category I equipment. The testing (seismic and LOCA loads) that is presently necessary, in order to complete the qualification of this system to these requirements, is presented in the attached table.

The table shows two cabinet qualification programs underway for ATTS. "Phase I" is a GPC Plant Hatch specific program while "Phase II" is a GE BWR generic program. In both cases the electronic equipment internal to the cabinet is being tested as a part of this program. As this table indicates, LOCA testing is not a requirement of the qualification program for these cabinets because the cabinets will be located in a "mild" environment.

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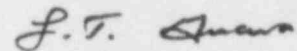
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The schedule provided in the table is tentative and based on GPC's best current information. Should you desire to witness any of these testing programs, please notify GPC as soon as possible. GPC will then keep you apprised of the schedule for those particular testing programs in which you have an interest.

If you have any questions or would desire additional information regarding these testing schedules, please contact this office.

Sincerely yours,



L. T. Gucwa
Chief Nuclear Engineer

DLT/CRP/mb

xc: H. C. Nix, Jr.
R. F. Rogers, III
J. P. O'Reilly (Region II)

QUALIFICATION TEST SCHEDULE FOR ANALOG TRANSMITTER TRIP SYSTEM

<u>TEST NUMBER</u>	<u>DEVICE</u>	<u>MANUFACTURER</u>	<u>TEST LAB/LOCATION</u>	<u>APPROXIMATE TIME FRAME TESTING WILL OCCUR</u> <u>SEISMIC</u>	<u>LOCA</u>
(1)	Cabinets (Phase I) Includes: (a) Relays (b) Power Supply (c) Trip Unit (d) Terminal Blocks	GE Agastat Datametrics GE States	GE/San Jose, CA	10/4/82 - 11/4/82	NA
(2)	Cabinets (Phase II)*	GE	GE/San Jose, CA	First Quarter, 1983	NA
(3)	Pressure Switch	PCI	Wyle/Norco, CA	10/4/82 - 10/15/82	10/11/82 - 11/15/82

*Includes same devices at Item 1.