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the southern electric system

NED-83-417

August 15, 1983

Director of Nuclear Reactor Regulation
Attention: Mr. John F. Stolz, Chief
Operating Reactors Branch No. 4
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

NRC DOCKETS 50-321, 50-366
OPERATING LICENSES DPR-57, NPF-5
EDWIN I. HATCH NUCLEAR PLANT UNITS 1, 2
NUREG-0737 ITEM II.F.1(2), SAMPLING AND ANALYSIS
OF PLANT EFFLUENTS

Gentlemen:

Our letter of February 11, 1983 addressed the schedule for implementation of NUREG-0737 Items II.F.1(1), Noble Gas Effluent Monitor, and II.F.1(2), Sampling and Analysis of Plant Effluents, at Plant Hatch Unit 1. Recent discussions with Mr. George Rivenbark have indicated the need for clarification of a portion of that letter.

In that letter it was stated that implementation of Items II.F.1(1) and II.F.1(2) involved the installation of high-range gaseous effluent monitors at the Main Stack and Reactor Building Vent Plenum. It was further stated that each high-range monitor utilized five Geiger-Muller (GM) detectors, two for noble gas monitoring and three for the monitoring of iodine and particulate collectors. The latter statement could be construed to mean that GM detectors are used to determine particulate and iodine releases, but such is not the case. The quantification of releases is done by sampling with separate laboratory analysis. The purpose of the GM detectors is as follows: When the high-range monitor automatically starts, the sample flow is directed through one of three parallel filter/adsorbers. A GM detector monitors the buildup of radioactive iodine and particulates and, when a predetermined radiation level is detected, causes the flow to be diverted to another filter/adsorber and actuates an alarm to alert plant personnel. The first filter/adsorber can then be removed and transported to the laboratory for analysis and a "clean" one installed in its place. All three filter/adsorbers function in a similar manner.

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Georgia Power Company considers this arrangement to be in compliance with the criteria of NUREG-0737 Item II.F.1(2). We also note that a third high-range monitor has been installed at the Unit 2 Reactor Building Vent Plenum, thus completing the implementation of Items II.F.1(1) and II.F.1(2) at both Hatch units.

Please contact this office if there are any further questions.

Very truly yours,



L. T. Gucwa

JH/mb

xc: J. T. Beckham, Jr.
H. C. Nix, Jr.
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Senior Resident Inspector