



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 8 TO FACILITY OPERATING LICENSE NPF-68

GEORGIA POWER COMPANY, ET AL.

DOCKET NO. 50-424

VOGTLE ELECTRIC GENERATING PLANT, UNIT 1

1.0 INTRODUCTION

By letter dated February 4, 1988, Georgia Power Company, et al., (the licensee) requested a change to the Technical Specifications for Vogtle Electric Generating Plant, (VEGP), Unit 1. The proposed change would change the Technical Specifications (TS) by deleting the control building sump effluent line radiation monitor, RE-17646.

2.0 EVALUATION

The proposed amendment deletes monitor RE-17646 from TS Table 3.3-9, "Radioactive Liquid Effluent Monitoring Instrumentation," and from TS Table 4.3-5, "Radioactive Liquid Effluent Monitoring Instrumentation Surveillance Requirements."

In support of this change, the licensee has provided the following information:

Radiation monitor RE-17646 is a part of the Process and Effluent Radiation Monitoring System (PERMS) and functions to minimize the release of radioactive liquid effluent from the control building sump. As a result of a recent piping modification, this function can now be performed by another PERMS monitor.

In the original piping configuration, the normally non-radioactive discharge from the control building sump was monitored by RE-17646 then tied in to the turbine building drain header at a point downstream of radiation monitor RE-0848. A high radiation signal from RE-17646 would cause isolation of control building sump discharge flow into the turbine building drain header.

The piping has been modified so that the control building sump discharge now ties in to the turbine building drain header upstream of RE-0848. Detection of high radiation by RE-0848 causes automatic diversion of drain header flow from its normal flow path (to the oily waste separator, then the waste retention basin, and then the blowdown sump) to the "dirty" turbine building drain tank.

Monitor RE-17646 is not necessary for the mitigation of any accident analyzed for Plant Vogtle. Since RE-0848 now provides for minimizing radioactive discharge from the control building sump, RE-17646 can be deleted with no safety consequences. Georgia Power Company is proposing to delete RE-17646 to reduce the manpower commitment and expense required for maintenance and surveillance.

The NRC staff has reviewed the above information and finds that monitor RE-0848 will function adequately to minimize radioactive discharge from the control building sump. Therefore, monitor RE-17646 is no longer needed, and the NRC staff concludes that this change is acceptable.

3.0 ENVIRONMENTAL CONSIDERATION

This amendment involves a change in a requirement with respect to installation of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational exposure. The NRC staff has made a determination that the amendment involves no significant hazards consideration, and there has been no public comment on such finding. Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendment.

4.0 CONCLUSION

The Commission made a proposed determination that the amendment involves no significant hazards consideration which was published in the Federal Register on April 20, 1988, (53 FR 13016), and consulted with the state of Georgia. No public comments were received, and the state of Georgia did not have any comments.

The staff has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations, and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: Jon B. Hopkins, PDII-3/DRP-I/II

Dated: August 3, 1988

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AMENDMENT NO. 8 TO FACILITY OPERATING LICENSE NPF-68 - Vogtle Electric
Generating Plant, Unit 1

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