



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENTS NOS. 108 AND 45 TO

FACILITY OPERATING LICENSES NOS. DPR-57 AND NPF-5

GEORGIA POWER COMPANY  
OGLETHORPE POWER CORPORATION  
MUNICIPAL ELECTRIC AUTHORITY OF GEORGIA  
CITY OF DALTON, GEORGIA

EDWIN I. HATCH NUCLEAR PLANT, UNITS NOS. 1 AND 2

DOCKETS NOS. 50-321 AND 50-366

1.0 INTRODUCTION AND BACKGROUND

In November 1980, the NRC staff issued NUREG-0737, "Clarification of TMI Action Plan Requirements" which included all TMI Action Plan items approved by the Commission for implementation at nuclear power reactors. NUREG-0737 identifies those items for which Technical Specifications (TSs) are required. A number of items which require TSs were scheduled for implementation after December 31, 1981. The staff provided guidance on the scope of TSs for all of these items in Generic Letter 83-36. Generic Letter 83-36 was issued to all Boiling Water Reactor (BWR) licensees on November 1, 1983. In this Generic Letter, the staff requested licensees to:

1. review their facility's TSs to determine if they were consistent with the guidance provided in the Generic Letter, and
2. submit an application for a license amendment where deviations or absence of TSs were found.

By letters dated February 6 and August 7, 1984, Georgia Power Company (the licensee) responded to Generic Letter 83-36 by submitting TS change requests for Edwin I. Hatch Nuclear Plant, Units 1 and 2. These change requests responded to all nine items for which we transmitted guidance to the licensee.

These nine items are:

1. Reactor Coolant System Vents (II.B.1)
2. Post-Accident Sampling (II.B.3)
3. Noble Gas Effluent Monitors (II.F.1.1)
4. Sampling and Analysis of Plant Effluents (II.F.1.2)
5. Containment High Range Monitor (II.F.1.3)
6. Containment Pressure Monitor (II.F.1.4)
7. Containment Water Level Monitor (II.F.1.5)
8. Containment Hydrogen Monitor (II.F.1.6)
9. Control Room Habitability Requirements (III.D.3.4)

## 2.0 EVALUATION

### 1. Reactor Coolant System Vents (II.B.1)

Our guidance states that plants which do not have isolation condensers need not revise the TSs. Neither Hatch 1 or 2 have isolation condensers; therefore, no response was required for this item. We conclude that Item II.B.1 TSs are not required for the Hatch plant.

### 2. Post-Accident Sampling (II.B.3)

The guidance provided by Generic Letter 83-36 requested that an administrative program should be established, implemented and maintained to ensure that the licensee has the capability to obtain and analyze reactor coolant and containment atmosphere samples under accident conditions. The Post-Accident Sampling System is not required to be operable at all times. Administrative procedures are to be established for returning inoperable instruments to operable status as soon as practicable.

The licensee has provided a proposed revision to the TSs which is consistent with the guidelines provided in our Generic Letter 83-36. We conclude that the proposed TS for the Post-Accident Sampling System is acceptable.

### 3. Noble Gas Effluent Monitors (II.F.1.1)

The licensee has supplemented the existing normal range monitors to provide noble gas monitoring in accordance with Item II.F.1.1. Proposed TSs were submitted that are consistent with the guidelines provided in our Generic Letter 83-36. We conclude that the TSs for Item II.F.1.1 are acceptable.

### 4. Sampling and Analysis of Plant Effluents (II.F.1.2)

The guidance provided by Generic Letter 83-36 requested that an administrative program should be established, implemented and maintained to ensure the capability to collect and analyze or measure representative samples of radioactive iodines and particulates in plant gaseous effluents during and following an accident. We conclude that the TSs for sampling and analysis of plant effluents are acceptable.

### 5. Containment High Range Monitor (II.F.1.3)

The licensee has installed two in-containment monitors in each Hatch Unit that are consistent with the guidance of Item II.F.1.3. Generic Letter 83-36 provided guidance for limiting conditions of operation and surveillance TSs for these monitors. The licensee proposed TSs which are consistent with the guidance provided in our Generic Letter 83-36. We conclude that the TSs for Item II.F.1.3 are acceptable.

6. Containment Pressure Monitor (II.F.1.4)

Each Hatch Unit was provided with two supplementary channels of drywell pressure monitoring in response to this item. The licensee proposed TSs that are consistent with the guidelines contained in Generic Letter 83-36. We conclude that the TSs for Item II.F.1.4 are acceptable.

7. Containment Water Level Monitor (II.F.1.5)

Previously existing wide range suppression pool water level monitors provided the capability required by Item II.F.1.5 with the exception of environmental qualification. The monitors have been upgraded to the appropriate environmental standards. Moreover, the current TSs for both Hatch Units contain limiting conditions of operation and surveillance requirements that are consistent with the guidance contained in Generic Letter 83-36. We conclude that the current TSs covering Item II.F.1.5 are acceptable.

8. Containment Hydrogen Units (II.F.1.6)

Previously existing containment hydrogen/oxygen monitors provided the capability required by Item II.F.1.6 with the exception of environmental qualification. These monitors are presently being modified to meet the appropriate standards; however, this is the subject of a separate, ongoing, NRC review. This evaluation, based on responses to Generic Letter 83-36, treats only the TSs for the monitors. The current Hatch Units 1 and 2 TSs contain appropriate limiting conditions of operation and surveillance for these monitors. We conclude that the current TS sections on surveillance and limiting conditions of operation for Item II.F.1.6 are acceptable as they are consistent with the guidance contained in Generic Letter 83-36.

9. Control Room Habitability (III.D.3.4)

The guidance of NUREG-0737 requires assurance on the part of the licensee that control room operators will be adequately protected against the effects of an accidental release of toxic and/or radioactive gases from sources either onsite or offsite. Generic Letter 83-36 provided the guidance on the TSs for a toxic gas detection system and a control room emergency air filtration system.

The licensee, by letter dated December 31, 1980, provided an evaluation of the Hatch control room habitability. The evaluation resulted in the conclusion that the existing systems and TSs met the intent of Item III.D.3.4. The NRC letter of March 9, 1982, transmitted a Safety Evaluation in which the licensee's position on III.D.3.4 was found acceptable. We conclude that the current TSs covering item III.D.3.4 are acceptable.

3.0 ENVIRONMENTAL CONSIDERATIONS

These amendments involve changes in the installation or use of a facility

component located within the restricted area as defined in 10 CFR Part 20 and changes in surveillance requirements. We have determined that the amendments involve 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 radiation exposure. The Commission has previously issued a proposed finding that these amendments involve no significant hazards consideration and there has been no public comment on such finding. Accordingly, these amendments meet 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 these amendments.

#### 4.0 CONCLUSION

We have 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 these amendments will not be inimical to the common defense and security or to the health and safety of the public.

Dated: March 18, 1985

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