



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 86 TO FACILITY OPERATING LICENSE NPF-9  
AND AMENDMENT NO. 67 TO FACILITY OPERATING LICENSE NPF-17

DUKE POWER COMPANY

DOCKET NOS. 50-369 AND 50-370

MCGUIRE NUCLEAR STATION, UNITS 1 AND 2

1.0 INTRODUCTION

By letter dated June 5, 1987 and supplemental letter dated May 19, 1988, Duke Power Company (the licensee) proposed amendments to revise McGuire Technical Specification (TS) 3/4.7.8 and its associated Bases to exclude the snubber listings in accordance with NRC Generic Letter (GL) 84-13, and to add a statement to Surveillance Specification 4.7.8.c to require periodic functional testing of large bore steam generator hydraulic snubbers. Specifically, the TS would be revised to:

- (1) Delete TS Table 3.7-4a "Safety-Related Hydraulic Snubbers - ITT Grinnell" and TS Table 3.7-4b "Safety-Related Mechanical Snubbers - Pacific Scientific."
- (2) Modify TS 3.7.8 which currently reads, "All snubbers listed in Tables 3.7-4a and 3.7-4b shall be operable." to read "All snubbers shall be operable. The only snubbers excluded from the requirements are those installed on non-safety related systems and then only if the failure of the system on which they are installed would not have an adverse effect on any safety related system."
- (3) Delete the references to TS Tables 3.7-4a and 3.7-4b in TS 4.7.8.b and TS 6.10.2.k.
- (4) Revise the Bases of TS 3/4.7.8 "Snubbers" to delete the requirement to list exempted snubbers in Tables 3.7-4a and 3.7-4b.
- (5) Add the following statement to Surveillance Specification 4.7.8.e "Functional Testing": "The large bore steam generator hydraulic snubbers shall be treated as a separate population for functional test purposes. A 10% random sample from previously untested snubbers shall be tested at least once per refueling outage until the entire population has been tested. This testing cycle shall then begin anew. For each large bore steam generator hydraulic snubber that does not meet the functional test acceptance criteria, at least 10% of the remaining population of untested snubbers for that testing cycle shall be tested."

The licensee's submittal of May 19, 1988, clarified the testing plan for the large bore steam generator hydraulic snubbers consistent with item (5) above. The substance of the changes noticed in the Federal Register on May 4, 1988 and the proposed no significant hazards determination were not affected by these clarifications.

## 2.0 EVALUATION

On May 3, 1984, the Commission issued GL 84-13, "Technical Specification for Snubbers." In GL 84-13 the Commission concluded that snubbers need not be listed within the TS provided the TS is modified to specify which snubbers are required to be operable. GL 84-13 provided model specifications for use by licensees requesting such changes. The model retains the recordkeeping requirements of current specifications. The Commission also noted that since any changes in snubber quantities, types, or locations would be a change to the facility, such changes would be subject to the provisions of 10 CFR Part 50.59 and would be reflected in the licensee's records (as required, in this case, by McGuire TS 6.10.2k).

The staff has reviewed the first four of the licensee's proposed changes (items 1 through 4 above) and finds that they implement and are consistent with the Commission's guidance in GL 84-13. The changes do not result in a change to the actual systems or design of the systems as installed with respect to snubbers. Limitations, restrictions and surveillances presently in the TS are not adversely affected. The same snubbers presently required to be operable will continue to be required operable (i.e., although the specific listing of snubbers is being deleted from the TS, the revised TS, nevertheless, specifies that all snubbers are to be operable except those installed on non-safety related systems whose failure would not adversely affect any safety-related system). The licensee will maintain the specific listings of snubbers required to be operable within the station surveillance procedures, will evaluate changes to these listings in accordance with the requirements of 10 CFR 50.59, and will reflect changes to the listings in station records in accordance with TS 6.10.2k. Therefore, changes 1 through 4 have no adverse impact upon safety and are acceptable.

The staff has also evaluated the licensee's proposed change (item 5 above) to supplement surveillance specification 4.7.8e to add a requirement for functional testing of large bore steam generator hydraulic snubbers. The McGuire TS does not currently require these hydraulic snubbers to be tested. Rather, they are presently exempted by the footnote in Table 3.7-4a which states "\*Plus 8 steam gen.--Paul-Monroe, Hyd. Size 2,755,000 lb. also exempt from functional testing." By deleting Table 3.7-4a in its entirety (item 1 above), this existing exemption is removed. Thus, the inclusion of requirements in the TS for functional testing of these snubbers is a more restrictive requirement and is one which will provide additional confidence in the reliability of the large bore steam generator hydraulic snubbers. Therefore, this change is also acceptable.

## 3.0 ENVIRONMENTAL CONSIDERATION

These amendments involve changes to the installation or use of facility components located within the restricted area as defined in 10 CFR Part 20 and changes in surveillance requirements. The staff has 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 exposure. The NRC staff has made a determination that the amendments involve no significant hazards consideration, and there has been no public comment on such finding. Accordingly, the 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

The Commission made a proposed determination that the amendments involve no significant hazards consideration which was published in the Federal Register (53 FR 15910) on May 4, 1988. The Commission consulted with the state of North Carolina. No public comments were received, and the state of North Carolina did not have any comments.

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.

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J. Lenahan, RII

Dated: June 6, 1988

Sholly Coordinator

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No significant hazards consideration comments received: No.

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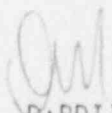
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