



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 97 TO FACILITY OPERATING LICENSE NO. DPR-40

OMAHA PUBLIC POWER DISTRICT

FORT CALHOUN STATION, UNIT NO. 1

DOCKET NO. 50-285

Introduction:

By application dated January 26, 1983, the licensee requested various containment related surveillance requirement changes. By letter dated February 3, 1986 we acted on the licensee's Appendix J related changes (Amendment No. 95). In the letter and safety evaluation associated with that licensing action, we stated that we would evaluate the remaining changes separately. The remaining changes consist of transferring the recirculation heat removal system surveillance requirements to a separate part of the Technical Specifications (TS), and deleting containment related surveillance requirements that were in effect in early plant life and are no longer required or performed. Our evaluation of the remaining changes follows:

Evaluation:

The licensee proposes transferring the recirculation heat removal system surveillance requirements from TS section 3.5(7) to a new section of the TS. The new section would be numbered 3.16 and would be entitled "Recirculation Heat Removal System Integrity Testing". The licensee states that this is an administrative change because the subject recirculation heat removal system components are located outside containment and section 3.5 of the TS addresses components tests. The staff has reviewed the licensee's proposal and compared the current technical specification with the proposed change and has determined that all essential elements are contained in the new section 3.16. Specifically, the system will continue to be tested at 250 psig at each refueling outage. The piping from valves HCV-383-3 and HCV-383-4 will continue to be tested hydrostatically at no less than 100 psig with the leakage measured. Leakage from the specified components of the system will not be allowed to exceed one gallon per minute and repairs will be made to maintain leakage limits. On this basis, the licensee's proposed change is acceptable.

The licensee proposes to delete the surveillance requirements associated with end anchorage concrete (TS 3.5(9)). The test frequency contained in the TS specifies approximately one-half year and 1 year after the initial structural test and shall be chosen such that the inspection occurs during the warmest and coldest part of the year following the initial structural test. The licensee states that these tests were only required during the initial years of plant operation and are no longer performed. On this basis, the proposal to delete the end anchorage concrete surveillance requirements as contained in TS 3.5(9) is acceptable.

The licensee proposes to delete the surveillance requirements associated with the liner plate (TS 3.5(10)). The test frequency contained in the TS specifies that the surveillance program will only be continued beyond the 1 year after initial start-up inspection if some corrective action is needed. These requirements were met years ago and the tests are no longer performed as specified. On this basis, the proposal to delete the liner plate surveillance requirements as contained in TS 3.5(10) is acceptable.

The licensee proposes to delete the surveillance requirements associated with the penetrations (TS 3.5(11)). The test frequency contained in the TS specifies that the surveillance program will only be continued beyond the 1 year after initial start-up inspection if some corrective action is needed. In addition, the frequency of inspection for a continued surveillance program will be determined shortly after the 1 year after initial start-up inspection. These requirements were met years ago, and the tests are no longer performed as specified. On this basis, the proposal to delete the penetrations surveillance requirements as contained in TS 3.5(11) is acceptable.

The licensee proposes to delete out-of-date test frequencies for the prestressing system surveillance requirements (TS 3.5(8)). The test frequencies in the TS are 1 year (from date of initial containment leak rate test), 2 years, 4 years, and every 5 years thereafter for the life of the plant. The 1, 2, and 4 year test frequencies were met years ago. The licensee will maintain the currently applicable 5 year test frequency requirement. The proposal to delete the 1, 2, and 4 year test requirement is acceptable.

Environmental Consideration

This amendment involves a change in the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20 or changes in inspection and surveillance requirements. 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 radiation exposure. The Commission has previously issued a proposed finding that the amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, the change 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.

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 the amendment will not be inimical to the common defense and security or to the health and safety of the public.

Date: June 3, 1986

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