



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 107 TO FACILITY OPERATING LICENSE NO. DPR-40

OMAHA PUBLIC POWER DISTRICT

FORT CALHOUN STATION, UNIT NO. 1

DOCKET NO. 50-285

INTRODUCTION:

By letter dated January 8, 1986, [sic] (1987) the Omaha Public Power District (OPPD) requested changes to the Fort Calhoun Station, Unit 1 Technical Specifications (TS) Table 2-1, "Toxic Gas Monitors Operating Limits," and Table 3-3, "Minimum Frequencies for Checks, Calibrations and Testing of Miscellaneous Instrumentation and Controls." The proposed revisions would delete hydrogen fluoride from the list of onsite chemical hazards and would delete all requirements concerning hydrogen fluoride detectors. The licensee stated that the hydrogen fluoride toxic gas detection requirements are no longer needed since the hydrogen fluoride has been removed from the Fort Calhoun Station. The licensee provided the following background information regarding the hydrogen fluoride:

On September 3, 1982, OPPD received materials License SMC-1420 which authorized possession of natural uranium hexafluoride (UF₆) at Fort Calhoun Station. It was later determined that while OPPD will need this material in the future, OPPD did not and will not require that material onsite, and in April of 1986, OPPD shipped the material offsite to Martin-Marrietta Energy Systems - DOE Production Facility in Paducah, Kentucky. With the materials offsite, the license is no longer required. This license is presently due to expire on August 31, 1987.

EVALUATION

NUREG-0800, "Standard Review Plan (SRP) for the Review of Safety Analysis Reports for Nuclear Power Plants," Revision 2, July 1981, Section 6.4, "Control Room Habitability System" states that in order to meet General Design Criterion 19 of Appendix A to 10 CFR Part 50, toxic gas detectors are required for the control room emergency ventilation system. The Fort Calhoun Station TS state that onsite chemical hazards are chlorine, hydrogen fluoride, sulfuric acid and hydrazine. The TS provides for chlorine, hydrogen fluoride, hydrochloric acid, sulfuric acid, and hydrazine/ammonia detectors. The staff agrees with the licensee's conclusion that the hydrogen fluoride toxic gas identification and requirements for detection are no longer needed since the hydrogen fluoride has been removed from the Fort Calhoun Station site. The staff concludes that since the hydrogen fluoride detection requirements are no longer needed, the proposed revisions to the Fort Calhoun Station TS meet the provisions of SRP Section 6.4 and the requirements of GDC 19, and are, therefore, acceptable.

The licensee has also proposed correcting a typographical error on Table 3-3 which the staff finds 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 in a surveillance requirement. 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 published a proposed finding 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.

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: March 30, 1987

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