



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
SUPPORTING AMENDMENT NO. 80 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 March 9, 1984, the Omaha Public Power District (the licensee) requested an amendment to the Technical Specifications (TS) for the Fort Calhoun Station, Unit No. 1. The amendment request was in response to the Commission's Generic Letter No. 83-37 entitled "NUREG-0737 Technical Specifications."

The Generic Letter, which was issued on November 1, 1983, advised licensees to submit new TS for the following NUREG-0737 items:

1. Reactor Coolant System Vents (II.B.1)
2. Postaccident Sampling (II.B.3)
3. Long Term Auxiliary Feedwater System Evaluation (II.E.1.1)
4. Noble Gas Effluent Monitors (II.F.1.1)
5. Sampling and Analysis of Plant Effluents (II.F.1.2)
6. Containment High-Range Radiation Monitor (II.F.1.3)
7. Containment Pressure Monitor (II.F.1.4)
8. Containment Water Level Monitor (II.F.1.5)
9. Containment Hydrogen Monitor (II.F.1.6)
10. Instrumentation for Detection of Inadequate Core Cooling (II.F.2)
11. Control Room Habitability (II.D.3.4)

The Generic Letter contained TS which would be acceptable to the staff.

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The licensee proposed TS for the above items except Postaccident Sampling, Long Term Auxiliary Feedwater System Evaluation, Instrumentation for Detection of Inadequate Core Cooling, and Control Room Habitability Requirements. The licensee advised the staff that proposed TS for these items will be the subject of other amendment requests. As such, the staff will review these other items separately when submitted. Our evaluation of the proposed TS for reactor coolant system vents (II.B.1) and sampling and analysis of plant effluents (II.F.1.2) follows. Our evaluation of the other licensee proposed TSs will be the subject of another evaluation and licensing action.

Evaluation:

Reactor Coolant System Vents (II.B.1)

The licensee proposes to add new TS number 2.1.8 entitled "Reactor Coolant System Vents." Regarding applicability, the licensee proposes that the TS be applicable while in modes 1, 2, and 3. Modes 1, 2, and 3 for Fort Calhoun are Power Operation, Hot Standby, and Hot Shutdown, respectively. The applicability modes of the Fort Calhoun proposal are consistent with the staff guidance contained in the generic letter. Therefore, the applicability proposed by the licensee is acceptable.

The licensee proposes that at least one reactor coolant system vent path consisting of at least two valves in series powered from emergency buses shall be operable and closed at each of the following locations: reactor vessel head and pressurizer steam space. This is consistent with the staff guidance as contained in the generic letter; therefore, proposed TS number 2.1.8(1) is acceptable.

The licensee proposes that, with one of the reactor coolant system vent paths inoperable, startup and/or power operation may continue provided power is removed from the valve actuators of all the inoperable valves. In addition, the licensee proposes restoration of the inoperable vent path to operable status within 30 days or be in hot standby within 12 hours and in cold shutdown within the following 30 hours. This is consistent with the staff guidance except for the time to reach hot standby. The staff guidance calls for 6 hours versus the licensee proposed 12. The licensee states that the 12 hour limit is consistent with existing limiting conditions for operation time requirements as currently contained in the Fort Calhoun TSs. We agree with the licensee in that the time to reach hot standby should be consistent throughout the TSs. The staff agrees with proposed TS number 2.1.8(2) and finds it acceptable.

The licensee proposes that, with both reactor coolant system vent paths inoperable, maintain the inoperable vent path closed with power removed from the valve actuators of all the inoperable valves in the inoperable vent paths and restore at least one of the vent paths to operable status within 72 hours or be in hot standby within 12 hours and in cold shutdown within the following 30 hours. This is consistent with the staff guidance except for the time to

reach hot standby. The staff guidance calls for 6 hours versus the licensee proposed 12. As discussed above, the licensee's current TS permit 12 hours to reach hot standby. The staff agrees with proposed TS number 2.1.8(3) and finds it acceptable.

The licensee proposes surveillance requirements for the reactor coolant gas vent system. The licensee proposes during refueling to check that (1) manual isolation valves are open prior to start-up, (2) automatic valves are operable, and (3) the flow through the paths takes place. The proposed surveillance requirements are consistent with the staff guidance. Therefore, proposed surveillance requirement number 17 as contained in Table 3-5 is acceptable.

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

The licensee proposes to add new TS number 5.16 entitled "Sampling and Analysis of Plant Effluents." The licensee's proposed TS is consistent with the staff guidance as contained in the generic letter and therefore TS 5.16 is acceptable.

#### Environmental Consideration

This amendment involves a change in the installation or use of a facility component located within the restricted area. The staff has determined that the amendment involves no significant increase in the amounts 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 this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this 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 this 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 this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Date: July 9, 1984

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