

APPENDIX A

NOTICE OF VIOLATION

Omaha Public Power District
Fort Calhoun Station

Docket: 50-285
License: DPR-40

During an NRC inspection conducted September 11 through October 22, 1990, a violation of NRC requirements was identified. The violation involved the failure to adhere to design requirements with respect to overpressure protection of safety injection piping. In accordance with the "General Statement of Policy and Procedure for NRC Enforcement Actions," 10 CFR Part 2, Appendix C (1990), the violation is listed below:

Technical Specification (TS) 4.3.3 states that "Emergency core cooling is provided by the Safety Injection System which consists of various subsystems, each with internal redundancy. Included in the Safety Injection System are four safety injection tanks, three high-pressure and two low-pressure safety injection pumps, a safety injection and refueling water storage tank, and interconnecting piping as shown in USAR Section 6."

Section 6.2.3.8 of the Updated Safety Analysis Report (USAR) states that the safety injection piping "conforms with the standards set forth in USAS B31.7" Section 1.702.2.4 of United States of America Standard (USAS) B31.7-1968 states that "Under the conditions of relief or safety valve operations, the design pressure may be exceeded by 10 percent. The first system relief or safety valve shall be set to begin relieving at no higher than the design value."

Contrary to the above, the safety injection piping, bounded by the safety injection tank (SIT) discharge isolation valves and the first check valve downstream of the above isolation valves, did not conform to the design requirements of USAS B31.7 in that the relief setpoints of Relief Valves SI-278, -279, -280, and -281 were found to be set at 395 psig, whereas the piping they serve was designed to only 250 psig, with an initial hydrostatic test to 1.25 times the design value.

This is a Severity Level IV violation. (Supplement I) (285/9038-01)

Pursuant to the provisions of 10 CFR Part 2.201, the Omaha Public Power District is hereby required to submit a written statement or explanation to the U.S. Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, D.C. 20555 with a copy to the Regional Administrator, Region IV, and, if applicable, a copy to the NRC Resident Inspector, within 30 days of the date of the letter transmitting this Notice of Violation (Notice). This reply should be clearly marked as a "Reply to a Notice of Violation" and should include for each violation: (1) the reason for the violation or, if contested, the basis for disputing the violation, (2) the corrective steps that have been taken and the results achieved, (3) the corrective steps that will be taken to avoid further violations, and (4) the date when full compliance will be achieved. If an adequate reply is not received within the time specified in this notice, an

order may be issued to show cause why the license should not be modified, suspended, or revoked, or why such other action as may be proper should not be taken. When good cause is shown, consideration will be given to extending the response time.

Dated at Arlington, Texas,
this *23rd* day of *November* 1990