

Omaha Public Power District
444 South 16th Street Mall
Omaha, Nebraska 68102-2247
402/636-2000

February 13, 1991
LIC-91-085R

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Station P1-137
Washington, DC 20555

References: 1. Docket No. 50-285
2. NRC Generic Letter 89-13, "Service Water System Problems Affecting Safety Related Equipment", dated July 18, 1989

Gentlemen:

SUBJECT: Erosion Program for Component Cooling Water (CCW) and Raw Water (RW) Systems

At the exit meeting for NRC Inspection 91-02, conducted on January 11, 1991, it was noted that while Omaha Public Power District (OPPD) had taken proper actions to address erosion/corrosion in the Raw Water (RW) and Component Cooling Water (CCW) systems as it relates to the requirements of Generic Letter 89-13, the program had not been formally implemented. As a result OPPD committed at this exit meeting to sending the NRC a letter outlining the erosion monitoring program for the CCW and RW systems and identifying when the program would be formally implemented.

OPPD has completed a review of piping configuration and operating conditions of the CCW and RW Systems for inclusion of potentially susceptible erosion/corrosion locations in the Fort Calhoun Station Erosion/Corrosion Control Program. The recommendations of NRC Generic Letter 89-13 were followed in selecting a total of 15 areas in the CCW and RW Systems. Discharge piping and elbows from the RW pumps and heaters, along with elbows experiencing high velocity and high usage factors in the CCW system were included as the test locations.

The test locations will be formally incorporated into the Erosion/Corrosion Control Program, and Generic Letter 89-13 will be referenced as the reason for inclusion, prior to the start of the next refueling outage. Four of the 15 locations noted above were examined during the 1990 refueling outage, and the remaining 11 RW and CCW test locations will be ultrasonically examined to establish an appropriate base, prior to the end of the next refueling outage.

If you should have any questions, please contact me.

Sincerely,

W. G. Gates

W. G. Gates
Division Manager
Nuclear Operations

WGG/sel

c: LeBoeuf, Lamb, Leiby & MacRae
R. D. Martin, NRC Regional Administrator, Region IV
W. C. Walker, NRC Project Manager
R. P. Mullikin, NRC Senior Resident Inspector