



## Omaha Public Power District

1623 HARNEY ■ OMAHA, NEBRASKA 68102 ■ TELEPHONE 536-4000 AREA CODE 402

June 8, 1982  
LIC-82-232

Mr. Robert A. Clark, Chief  
U. S. Nuclear Regulatory Commission  
Office of Nuclear Reactor Regulation  
Division of Licensing  
Operating Reactors Branch No. 3  
Washington, D.C. 20555

Reference: Docket No. 50-285

Dear Mr. Clark:

### Fort Calhoun Station Plant Shielding Modifications (NUREG-0737, Item II.B.2)

The Omaha Public Power District's letter to the Commission, dated April 30, 1982, provided the District's latest schedule for completing the subject shielding modifications. Due to several unanticipated delays and problems associated with the final construction phase of this modification, the District will not complete the shield wall for Room #4 until June 28, 1982. Mr. T. Patterson of the District has discussed these modification completion problems with the District's NRC Project Manager, Mr. E. Tourigny, on several occasions during the past week. This letter serves to formally provide the Commission with the expected completion date for the remaining modification work and reasons for the further delay.

The plant shielding modification at the Fort Calhoun Station has imposed several unique construction conditions that have resulted in the unexpected delay. To minimize the detrimental effect on normal plant operations, a strict dust control requirement has been in effect during the complete construction phase. This requirement necessitated the construction of dust-tight enclosures in the affected rooms and also required periodic vacuuming and clean-up activities which have slowed the construction process. Secondly, construction personnel have been hampered by the numerous existing interferences (e.g., tubing, cable trays, and seismic supports) in the work areas, particularly in Room #4, which had to be accounted for and resolved by the design engineer on an individual basis after construction of the shield walls had commenced. Finally, because of the confined working areas and the dust control requirement, the construction crew size was limited; thus, expediting the construction work with increased manpower was precluded.

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The following modification work remains to be completed by June 28, 1982 in Room #4, except as noted:

- 1) Installation of a security switch and associated circuitry to the ceiling hatch door. This door permits access to the radwaste panel area in Room #4 during accident conditions.
- 2) Installation of lead shielding for the piping penetrations and five lead shielding boxes for duct work and cable tray penetrations.
- 3) Installation of a frame and door which comprises the normal entry/exit path to/from Room #4.
- 4) Completion of miscellaneous finishing work such as painting, connection of HVAC duct work, replacement of four valves for instrumentation gauges in Room #59, and minor finishing work in Room #77.

The District would like to emphasize that as of April 30, 1982, the shielding modifications were considered functionally complete except for the installation of the ceiling hatch door to the radwaste panel area. The hatch door opening was cut May 1, 1982; thus, all areas that require access following a design basis accident were accessible as of that date. The remaining shielding work is required to further reduce operator exposure in Room #4 (i.e., radwaste panel area) and for final finishing.

The District is confident that the final plant shielding construction and clean-up will be completed by June 28, 1982.

Sincerely,

*R L Jaworski for*

W. C. Jones  
Division Manager  
Production Operations

cc: LeBoeuf, Lamb, Leiby & MacRae  
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