

# Nebraska Public Power District

COOPER NUCLEAR STATION  
P.O. BOX 98, BROWNVILLE, NEBRASKA 68321  
TELEPHONE (402) 825-3811

CNSS800482

August 12, 1980

Mr. K. V. Seyfrit  
U.S. Nuclear Regulatory Commission  
Office of Inspection and Enforcement  
Region IV  
611 Ryan Plaza Drive  
Suite 1000  
Arlington, Texas 76011

Dear Sir:

This report is submitted in accordance with Section 6.7.2.B.2 of the Technical Specifications for Cooper Nuclear Station and discusses a reportable occurrence that was discovered on July 23, 1980. A licensee event report form is also enclosed.

Report No.: 50-298-80-29  
Report Date: August 12, 1980  
Occurrence Date: July 23, 1980  
Facility: Cooper Nuclear Station  
Brownville, Nebraska 68321

#### Identification of Occurrence:

Conditions leading to operation in a degraded mode permitted by a limiting condition for operation as delineated in Section 3.18.A of the Technical Specifications.

#### Conditions Prior to Occurrence:

Steady state power operation at approximately 99% reactor power.

#### Description of Occurrence:

During performance of Surveillance Procedure 6.4.5.10, fire hydrant HT-1 could not be opened.

#### Designation of Apparent Cause of Occurrence:

The subject 5½", 150#, fire hydrant was disassembled to determine the cause of the occurrence. Upon disassembly, it was noted the stem top section, which is threaded and pinned onto the stem, had broken. This allowed the stem top section and stem to separate and therefore rendered the hydrant inoperable. The stem top section was removed and appeared to have been cracked for some time before it had broken. It appeared the hydrant had received unnecessary force to assure it was closed tightly, with the force eventually causing the failure.

8009050 326

5

A002  
S/11

Mr. K. V. Seyfrit  
August 12, 1980  
Page 2.

Analysis of Occurrence:

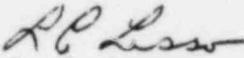
Fire hydrant HT-1 is designated as the manual fire fighting hose station for the Intake Structure Service Water Pump Room. As described, the hydrant was inoperable and could not have been used for this purpose. If a fire had occurred in the Service Water Pump Room which required manual fire fighting capabilities, fire hydrant HT-2 was operable, is located near the Intake Structure, and sufficient 2½" fire hose was in the immediate area to reach from HT-2 to the room.

This occurrence presented no adverse consequences from the standpoint of public health and safety.

Corrective Action:

Immediate action upon identification of the occurrence was to inspect the hydrant to determine why it was inoperable. The inspection revealed the stem top section was broken and had become separated from the stem. The broken stem top section was removed and a new stem top section was installed immediately (within 1 hour). To prevent recurrence, personnel have been instructed to avoid using unnecessary force when closing the hydrant.

Sincerely,



L. C. Lessor  
Station Superintendent  
Cooper Nuclear Station

LCL:cg  
Attach.