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Nebraska Public Power District

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

CNSS817125

August 25, 1981

Mr. K. V. Seyfrit
U.S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region IV
611 Ryan Plaza
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 28, 1981. A licensee event report form is also enclosed.

Report No.: 50-298-81-19
Report Date: August 25, 1981
Occurrence Date: July 28, 1981
Facility: Cooper Nuclear Station
Brownville, Nebraska 68321

Identification of Occurrence:
A condition occurred which resulted in operation in a degraded mode permitted by a limiting condition for operation established in Section 3.5.F.2 of the Technical Specifications.

Conditions Prior to Occurrence:
The reactor was at 96% of rated thermal power.

Description of Occurrence:
During performance of Surveillance Procedure 6.5.12.1, to prove operability of #' Diesel Generator (DG) prior to making the 'B' loop of the containment cooling subsystem inoperable for maintenance, a fuel supply hose developed a leak. The DG was shut down and declared inoperable.

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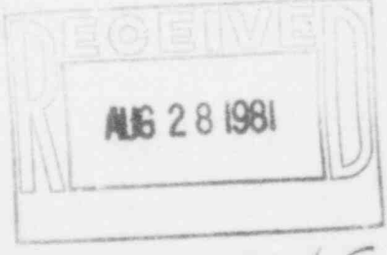
Designation of Apparent Cause of Occurrence:
The fuel supply hose leak was caused by a combination of excessive localized flexure of the hose and vibration.



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Analysis of Occurrence:

The station's emergency power system consists of two emergency diesel generators, each capable of supplying power for post accident safety system operation and safe reactor cooldown.

The flexible fuel supply hose provides the connection between rigid fuel supply piping and engine mounted equipment. During the event in question, the hose started leaking. Had the DG been required under accident conditions, it would have continued to run with the leak; however, the engine was shut down during the test due to equipment safety considerations. Repair procedures were immediately initiated and the hose was replaced within one hour.

During this event the normal, startup and emergency transformers were available to supply power as the station required. This event presented no adverse consequences to the public health and safety.

Corrective Action:

The fuel line was replaced immediately. The DG was tested and returned to service. During an outage scheduled to start in September 1981, the fuel line will be repiped to alleviate the sharp bend in the tubing and provide for better alignment.

Sincerely,

L C Lesser

L. C. Lesser
Station Superintendent
Cooper Nuclear Station

LCL:cg
Attach.