



SURRY POWER STATION, UNIT NO. 1  
REPORT NO: 50-280  
EVENT NO: 79-042/01T-0  
EVENT DATE: 12/20/79

TITLE OF REPORT: Excess Stress on Pipe Hanger, Line 10"-CC-143-121

1. DESCRIPTION OF EVENT:

During the pipe stress analysis it was discovered that a support on line 10"-CC-143-121 was overstressed and exceeded 50 percent ultimate capacity. The event is reportable in accordance with the NRC order lifting suspension of operation dated August 22, 1979, and Technical Specification 6.6.2.a.9.

2. PROBABLE CONSEQUENCES:

This CC water supply for the Spent Fuel Pit Coolers comes from the discharge side of "C" and "D" Component Cooling Heat Exchangers. A breach of the affected line could negate the use of these Heat Exchangers. The health and safety of the public were not affected.

3. CAUSE OF EVENT:

The architect engineer encountered the problem while conducting the pipe stress analysis precipitated by the NRC Show Cause Order.

4. IMMEDIATE CORRECTIVE ACTION:

Corrective action taken was to modify the support in accordance with preliminary design drawings. The modification was completed prior to identification of overstressed conditions.

5. SUBSEQUENT CORRECTIVE ACTION:

Since modifications have been made to eliminate the overstressed conditions, no subsequent action is required.

6. FUTURE CORRECTIVE ACTION:

Modifications will be made to relieve any additional overstress conditions identified.

7. GENERIC IMPLICATIONS:

Analysis continues on both units to discern and rectify all overstressed conditions.