



Bridges 8/26

Carolina Power & Light Company

July 28, 1975

File: NG-3513 (R)

Serial: NG-75-1139

Mr. Norman G. Moseley, Director  
U. S. Nuclear Regulatory Commission  
Region II, Suite 818  
230 Peachtree Street, N.W.  
Atlanta, Georgia 20303

Dear Mr. Moseley:

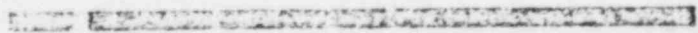
H. B. ROBINSON UNIT NO. 2  
LICENSE NO. DPR-23  
CORRECTIVE ACTIONS AND INSPECTIONS SUBSEQUENT  
TO "C" REACTOR COOLANT PUMP SEAL FAILURE

In response to an informal request by a member of your staff, the following summary of actions taken following Abnormal Occurrence 50-261/75-9 is provided for your information. Included are summaries of repairs and inspections performed during the forced outage in order to return the plant to safe operation.

The event which caused this outage was the failure of "C" reactor coolant pump (RCP) seals and subsequent flooding of the containment lower level. This was reported via Abnormal Occurrence Report 50-261/75-9. An account of this occurrence is included below.

On Thursday, May 1, 1975, the plant was operating normally at 100% power having just completed a two-week maintenance outage. At about 1700 the seal leak-off flow on RCP "C" began to oscillate a bit. At 1811 the seal leak-off flow failed high, indicating a failed No. 1 seal. The plant was reduced to 38% power at 10% per minute by control of the turbine (can operate at 40% on two loops). At 1818 RCP "C" was stopped. At 1819 Reactor Trip No. 192 occurred due to "Turbine Trip" caused by high steam generator level. At 1832 RCP's "A" and "B" were stopped when the Component Cooling Return Valve from the RCP's (CCW-626) shut on high flow and would not stay open. Later this proved to be a result of flashing of the component cooling water in RCP "C" thermal barrier cooling coils which caused surges on the return line and on flowmeter FC-626 (0-1500 gpm) which shuts CCW-626 on high flow. There was not continuous high flow in this line, no increase in component cooling surge tank level was noted, and radiation monitor R-17 showed no increase. For these reasons the integrity of RCP "C" thermal barrier cooling coils was concluded to be intact. A high standpipe level on RCP "A" was also received at this time. There was concern that seal flow would be lost on RCP's "A" and "B" since there was flashing and high temperature (300°F) on the seal water return line for these pumps, thus the pumps were secured.

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