

SUPPLEMENTAL INFORMATION
FOR
LICENSEE EVENT REPORT 83-022

I. Cause Description and Analysis

On August 23, 1983, at 1215 hours, with the unit at 78% power, a service water leak was discovered on Containment Fan Cooler HVH-2. The service water to and from the fan cooler was isolated, and HVH-2 was declared inoperable at 1226 hours. Further investigation revealed that the leak was confined to one of the six tube bundles in the fan cooler. The failure is attributed to corrosion/erosion of the cooler tubing.

This event is considered a degradation of a containment boundary pursuant to IE Bulletin 80-24 and is reported in accordance with Plant Technical Specification 6.9.2.a.3. The redundant fan coolers were operable, and there was no activity releases as a result of this event. Thus, there was no threat to the public health and safety.

II. Corrective Action

As stated above, service water to and from HVH-2 was isolated, thereby re-establishing containment integrity. Also, in accordance with Technical Specification 3.3.2.2.a, operability testing of the Containment Spray Pumps was completed at 1402 hours on August 23, 1983. The defective tube bundle was repaired using a ceramic sealant material, and HVH-2 was declared operable at 2220 hours on August 23, 1983.

III. Corrective Action to Prevent Recurrence

As stated in LER-83-003, a complete review of the Service Water System has been initiated. Also, as stated in LER-83-014, an investigation into the availability of a more corrosion resistant cooler tubing material has been initiated.

Any further corrective actions resulting from these efforts, with respect to the Containment Fan Coolers, will be submitted as a supplement to LER-83-014.

CP&L

Carolina Power & Light Company

USNRC REGION II
ATLANTA, GEORGIA

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H. B. ROBINSON STEAM ELECTRIC PLANT
POST OFFICE BOX 790
HARTSVILLE, SOUTH CAROLINA 29550

SEP 2 1983

Robinson File No: 13510C

Serial: RSEP/83-1156

Mr. James P. O'Reilly
Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, N. W., Suite 3100
Atlanta, Georgia 30303

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261
LICENSE NO. DPR-23
LICENSEE EVENT REPORT 83-022

Dear Mr. O'Reilly:

In accordance with Section 6.9.2 of the Technical Specifications for the H. B. Robinson Steam Electric Plant, Unit 2, the enclosed Licensee Event Report is submitted. This report fulfills the requirements for a written report within fourteen (14) days of a reportable occurrence and is in accordance with the format set forth in NUREG-0161, July, 1977.

Very truly yours,

R. B. Starkey, Jr.
for R. B. Starkey, Jr.
General Manager
H. B. Robinson SEG Plant

HTC/bss

Enclosure

cc: R. C. DeYoung (40)
R. A. Hartfield (3)

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