

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

| SYSTEM CODE | | CAUSE CODE | | CAUSE SUBCODE | | COMPONENT CODE | | | | COMP. SUBCODE | | VALVE SUBCODE | |
|---------------------------|---|----------------------|----|------------------------|----|-----------------|----|-------------|----|----------------------|----|---------------|----|
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| 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| (17) LER/RO REPORT NUMBER | | EVENT YEAR | | SEQUENTIAL REPORT NO. | | OCCURRENCE CODE | | REPORT TYPE | | REVISION NO. | | | |
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| 21 | | 22 | | 23 | | 24 | | 25 | | 26 | | | |
| ACTION TAKEN | | FUTURE ACTION | | EFFECT ON PLANT | | SHUTDOWN METHOD | | HOURS | | ATTACHMENT SUBMITTED | | | |
| F | | G | | Z | | Z | | 0 | | Y | | | |
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| NPRD-4 FORM SUB. | | PRIME COMP. SUPPLIER | | COMPONENT MANUFACTURER | | | | | | | | | |
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ISSUED N (45) N/A
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NRC USE ONLY

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O. W. DIXON, JR.
VICE PRESIDENT
NUCLEAR OPERATIONS

June 2, 1983

Mr. James P. O'Reilly
Regional Administrator
U.S. Nuclear Regulatory Commission
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Atlanta, Georgia 30303

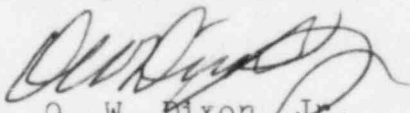
SUBJECT: Virgil C. Summer Nuclear Station
Docket No. 50/395
Operating License No. NPF-12
Thirty Day Written Report
LER 83-034, Revision 1

Dear Mr. O'Reilly:

Please find attached Revision 1 to Licensee Event Report #83-034 for Virgil C. Summer Nuclear Station. This Revision is being submitted to provide additional information and clarification in reference to our entry into Action Statement (a) of Technical Specification 3.4.1.4, "Cold Shutdown - Loops Filled," on April 9, 1983. The original submittal of this Thirty-Day Report was on made May 2, 1983, in accordance with the requirements of Technical Specification 6.9.1.13.(b).


Should there be any questions, please call us at your convenience.

Very truly yours,


O. W. Dixon, Jr.

CJM:OWD/dwf
Attachment

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ATLANTA, GEORGIA

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June 2, 1983

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES

On April 9, 1983, with the Plant in Mode 5, the motor termination box cover on Residual Heat Removal (RHR) Pump "B" (XPP-31B) was found to have a burned area, which was the apparent result of an electrical short. The pump was declared inoperable at 1007 hours in accordance with Action Statement (a) of Technical Specification 3.4.1.4 until repairs could be performed by maintenance.

There were no adverse consequences from this occurrence since the motor lead was not grounded at the time of the discovery. Additionally, prior to April 9, 1983, the electrical short did not develop sufficient current flow to trip the motor circuit breaker and interrupt the normal operation of RHR Pump "B".

CAUSE AND CORRECTIVE ACTIONS

A review of maintenance activities on RHR Pump "B" prior to April 9, 1983, revealed that in order to perform minor pump maintenance the motor leads had been disconnected and the termination box removed on March 16 to 19, 1983. Electrical maintenance personnel directed to reterminate the motor on March 19, 1983, observed that excessive cable had accumulated in the termination box. The cable had apparently slipped down the conduit from the cable tray located approximately 25 feet above the pump. The cable excess was pulled back into the cable tray and secured with tiewraps prior to completing the motor termination.

A section of the cable was not supported/secured since the conduit entrance is located approximately 2 feet below and beyond the end of the cable tray. Quality Control and Engineering personnel have determined that sufficient slack remained in the unsupported section of cable, between the conduit and cable tray, to allow cable movement down the conduit and into the motor termination box. The corner of the "B" phase terminal lug was subsequently forced against the termination box cover. The weight of the cable in combination with the sharp edge of the terminal lug and inherent pump vibration degraded the electrical insulation of the termination and caused an electrical short to ground.

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CAUSE AND CORRECTIVE ACTIONS Continued

The termination box cover was removed for repair, and the "B" phase termination retaped on April 9, 1983. RHR Pump "B" was returned to operable status at 1245 hours with the motor leads wrapped in an insulating blanket upon the completion of electrical checks and a satisfactory test run. The repaired termination box cover and cable supports at the top of the conduit were installed on May 11, 1983. The cable supports will prevent a future recurrence of the subject event.

Engineering personnel have inspected the cable routing and conduit configuration of RHR Pump "A" and other active Code Class 2 and 3 pumps required for the safe operation and shutdown of the plant. It has been determined from this inspection that the conduit configuration of the other pumps precludes the possibility of a similar failure.

Additionally, a precaution is being added to cable installation and termination procedures to ensure that motor leads are not left in contact with termination box covers and that the associated cable is properly supported. This procedure change is expected to be complete by June 30, 1983.