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PHONE: (803) 345-5209

R. J. Bouknight

USNRC REGION II
SOUTH CAROLINA ELECTRIC & GAS COMPANY

POST OFFICE 784

COLUMBIA, SOUTH CAROLINA 29218

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

July 8, 1983

Mr. James P. O'Reilly
Regional Administrator
U.S. Nuclear Regulatory Commission
Region II, Suite 2900
101 Marietta Street, N.W.
Atlanta, Georgia 30303

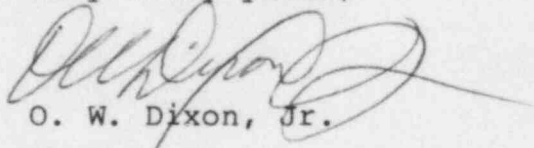
SUBJECT: Virgil C. Summer Nuclear Station
Docket No. 50/395
Operating License No. NPF-12
Thirty Day Written Report
LER 83-060

Dear Mr. O'Reilly:

Please find attached Licensee Event Report #83-060 for Virgil C. Summer Nuclear Station. This Thirty Day Report is required by Technical Specification 6.9.1.13.(b) as a result of entry into the Action Statement of Technical Specification 3.5.4.1, "Boron Injection Tank," On June 9, 1983.

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

Very truly yours,



O. W. Dixon, Jr.

RJB:OWD/dwf
Attachment

cc: V. C. Summer
E. H. Crews, Jr.
T. C. Nichols, Jr.,/O. W. Dixon, Jr.
E. C. Roberts
H. N. Cyrus
Group/General Managers
O. S. Bradham
R. B. Clary
C. A. Price
A. R. Koon
D. A. Lavigne

C. L. Ligon (NSRC)
G. J. Braddick
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EVENT DESCRIPTION AND PROBABLE CONSEQUENCES

At 0545 hours, June 9, 1983, with the Plant in Mode 1, the boron concentration of the Boron Injection Tank (BIT) was sampled at 18,288 parts per million (ppm). Technical Specification 3.5.4.1 requires that the boron concentration be between 20,000 and 22,500 ppm in Modes 1, 2, and 3. There were no adverse consequences due to this event because compliance was maintained with the Technical Specification Action Statement.

CAUSE AND CORRECTIVE ACTIONS

The cause of this event is attributed to lifting of relief valve XVR-8925 during the performance of Surveillance Test Procedure (STP) 105.015, Train B Slave Relay Go Circuit Testing. Step 6.12 of STP-105.015 required testing of relay K604. When energized, the subject relay opened XVG-8803B, BIT Inlet Isolation valve, providing a flow path from the charging pumps to the BIT. The setpoint of relief valve XVR-8925 is 2735 PSI. The discharge pressure of the charging pump is 2750 PSI. With the BIT outlet valves shut and XVG-8803B open, XVR-8925 lifted due to overpressure and discharged into the Boron Injection Surge Tank (BIST). A BIST Hi/Lo level alarm was received, relay K604 was returned to normal, and Chemistry was contacted to take samples. At 0530 hours, June 9, 1983, the boron concentration of the BIST was 18,392 ppm; at 0545, the BIT sample of boron concentration was 18,288 ppm. Immediate corrective action was initiated to restore the boron concentration to within specification. At 0630 hours, the boron concentration was 18,682 ppm; at 0715 hours, the concentration was 19,327 ppm; at 0745 hours, the concentration was 20,158 ppm; and at 0815, the BIT was declared operable with a concentration of 20,208 ppm.

General Test Procedure (GTP) 002, "General Procedure for Inservice Testing of Valves," submitted to the NRC in a letter to Mr. H. R. Denton, dated January 25, 1982, documents the valve test relief request for valves XVG-8803 A and B. The ASME Section XI test requirement for valves XVG-8803 A and B is to exercise valves (full stroke) for operability every three (3) months. The basis for the relief was that exercising these valves during normal plant operations could dilute the boron injection tank below the minimum concentration required by the Technical Specifications.

Based on the aforementioned relief request, the applicable Surveillance Test Procedures, STP-105.014 and STP-105.015, are being revised deleting the testing of valves XVG-8803 A and B during normal plant operations. These procedures are scheduled to be revised by August 31, 1983. The subject valves will be tested during cold shutdown.