SOUTH CAROLINA ELECTRIC & GAS COMPANY
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O. W. DIXON, JR.
VICE PRESIDENT
NUCLEAR OPERATIONS

October 27, 1982

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

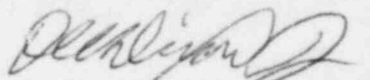
Subject: Virgil C. Summer Nuclear Station
Docket No. 50/395
Operating License No. NPF-12
Thirty Day Written Report
LER 82-012

Dear Mr. O'Reilly:

Please find attached Licensee Event Report #82-012 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 Action Statement (b) of Technical Specification 3.3.3.1, "Radiation Monitoring Instrumentation," on September 28, 1982.

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

Very truly yours,



O. W. Dixon, Jr.

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Attachment

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PDR ADOCK 05000395
S PDR

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DETAILED DESCRIPTION OF EVENT

On September 28, 1982, with the Plant in Mode 3, RM-G7 (Reactor Building High Range Monitor) experienced spikes that caused high radiation alarms. Corrective action was initiated as described below. On October 4, 1982, RM-G7 again experienced problems similar to those on September 28, 1982. The radiation monitor was removed from service for trouble shooting. The applicable Surveillance Test Procedure (STP) was performed satisfactorily, and the unit was returned to service on October 6, 1982.

PROBABLE CONSEQUENCES

There were no adverse consequences. RM-G7 is a High Range Accident Monitor, and the Plant had not achieved initial criticality; thus, eliminating the need for such indication. In addition, all abnormal indications were in the form of short duration spikes with no steady abnormal reading. Therefore, the abnormality would not impair the ability of the instrument to perform its intended function. Also, a redundant Reactor Building Area High Range Monitor (RM-G18) was Operable.

CAUSE(S) OF THE OCCURRENCE

The cause has been determined by testing to be electrical interference in the detector cable. The origin of this interference has not been determined.

IMMEDIATE CORRECTIVE ACTIONS TAKEN

Subsequent to the September 28th incident, the applicable STP was satisfactorily performed. After the October 4th incident, RM-G7 was removed from service for trouble shooting. The results indicated the aforementioned cable problems. The applicable STP was satisfactorily performed, and the monitor was returned to service on October 6, 1982, as allowed by the Technical Specification Action Statement.

ACTION TAKEN TO PREVENT RECURRENCE

The monitor was returned to service on October 7, 1982. To date, no further spiking has occurred. The licensee considers the Monitor OPERABLE, however, resolution to the problem is being pursued via Station Request for Engineering Evaluation (REE) No. 895.