



South Carolina Electric & Gas Company
P.O. Box 764
Columbia, SC 29218
(803) 748-3513

Dan A. Nauman
Vice President
Nuclear Operations

December 20, 1985

Dr. J. Nelson Grace
Regional Administrator
U.S. Nuclear Regulatory Commission
Suite 2900
101 Marietta Street, NW
Atlanta, Georgia 30323

SUBJECT: Virgil C. Summer Nuclear Station
Docket No. 50/395
Operating License No. NPF-12
Special Report (SPR 85-018)

Dear Dr. Grace:

The following is a Special Report for the Virgil C. Summer Nuclear Station. This report is submitted pursuant to the requirements of Technical Specification 3.1.1.3 Action Statement a.3.

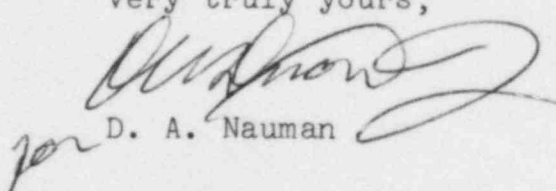
On December 16, 1985 at approximately 1430 hours, the Licensee identified a positive moderator temperature coefficient (MTC) for the reload core of Cycle 3. The condition was discovered during zero power physics testing under surveillance test procedure (STP-210.002), "Isothermal Temperature Coefficient Measurement." The plant was in Mode 2 (Startup) at an intermediate range power level of approximately 10^{-7} amps. The MTC was measured to be +0.32 pcm/°F. Control rod withdrawal limits were established within twenty four hours to maintain the MTC less positive than zero. These limits are provided as Attachment I to this report.

The Licensee has predicted conservatively an average core burnup of 4000 MwD/MTU will be necessary to rescind the interim rod withdrawal limit of Attachment I.

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

8512310262 851220
PDR ADOCK 05000395
S PDR

Very truly yours,


D. A. Nauman

RMF:DAN/lcd
Attachment

c: See Page Two

11
IE19

Dr. J. Nelson Grace
SPR 85-018
Page Two
December 20, 1985

c: V. C. Summer
O. W. Dixon, Jr./T. C. Nichols, Jr.
E. H. Crews, Jr.
E. C. Roberts
W. A. Williams, Jr.
Group Managers
O. S. Bradham
C. A. Price
S. R. Hunt
C. L. Ligon (NSRC)
K. E. Nodland

R. A. Stough
G. Percival
R. L. Prevatte
J. B. Knotts, Jr.
S. D. Hogge
I&E Washington
Document Management
Branch
INPO Records Center
ANI Library
NPCF
File

ATTACHMENT I

Figure II-18
Page 1 of 1
Revision 12/16/85
Approval *[Signature]*

