SCE&G
A SCANA Company

South Carolina Electric & Gas Company
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Gary J. Taylor
Vice President
Nuclear Operations

May 24, 1996
RC-96-0141

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555

Gentlemen:

Subject: VIRGIL C. SUMMER NUCLEAR STATION
DOCKET NO. 50/395
OPERATING LICENSE NO. NPF-12
NRC BULLETIN 96-01
CONTROL ROD INSERTION PROBLEMS

This letter provides South Carolina Electric & Gas Company (SCE&G) beginning of cycle (BOC) and end of cycle (EOC) control rod test information in accordance with actions delineated in NRC Bulletin 96-01. Virgil C. Summer Nuclear Station (VCSNS) performed the EOC rod drop test on April 15, 1996 and the drag test of all rodded assemblies on April 26, 1996. As noted on the attached Table all rods fully inserted within the time limits established in Technical Specifications and the drag forces were all within limits established by Westinghouse.

I declare that these statements and matters set forth herein are true and correct to the best of my knowledge, information and belief.

Should you have any questions, please call Mr. Charles McKinney at (803) 345-4723.

Very truly yours,

Gary J. Taylor

cjm
Attachment

c: J. L. Skolds
W. F. Conway
R. R. Mahan (w/o attachment)
R. J. White
S. D. Ebneter
A. R. Johnson
S. F. Fipps
NRC Resident Inspector
J. B. Knotts Jr.
Dave Campbell (WOG Project Office)
J. J. Nesbitt
B. L. Johnson
L. G. Archie
RTS (IEB 960001) (w/o attachment)
File (815.02)
DMS (RC-96-0141)

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Document Control Desk
IEB 960001
RC-96-0141

STATE OF SOUTH CAROLINA :
: **TO WIT** :
COUNTY OF FAIRFIELD :

I hereby certify that on the 24th day of May 1996, before me, the subscriber, a Notary Public of the State of South Carolina personally appeared Gary J. Taylor, being duly sworn, and states that he is Vice President, Nuclear Operations of the South Carolina Electric & Gas Company, a corporation of the State of South Carolina, that he provides the foregoing response for the purposes therein set forth, that the statements made are true and correct to the best of his knowledge, information, and belief, and that he was authorized to provide the response on behalf of said Corporation.

WITNESS my Hand and Notarial Seal

Notary Public

My Commission Expires

My Commission Expires July 13, 2005
Date

Table 1
V. C. Summer Rod Drop & Drag Test Data

CORE LOC.	FUEL ID	BURNUP (MWD/MTU)	BANK TIME (sec)		ROD TIME (sec)		EOC DRAG FORCE (lb)	
			BOC	EOC	BOC	EOC**	DASHPOT	THIMBLE***
G03	L-48	26309	2.213	2.370	1.912	2.202	20	0-5
C09	L-62	26596	2.213	2.370	1.912	2.402	28	0-5
J13	L-56	26758	2.213	2.370	1.712	2.602	8	0-5
N07	L-42	26411	2.213	2.370	1.712	1.802	20	0-5
J03	L-43	26234	2.213	2.370	1.712	2.002	30	0-5
C07	L-51	26400	2.213	2.370	1.712	2.202	25	0-5
G13	L-53	26749	2.213	2.370	1.912	2.402	12	0-5
N09	L-49	26548	2.213	2.370	1.712	2.602	24	0-5
E05	K-15	42834	2.089	2.370	1.901	1.802	50	0-5
E11	K-19	43126	2.089	2.370	1.901	2.002	75	0-5
L11	K-14	43251	2.089	2.370	1.701	2.202	45	0-5
L05	K-18	43013	2.089	2.370	1.701	2.402	40	0-5
G07	L-54	26163	2.089	2.370	1.701	2.602	54	0-5
G09	L-46	26156	2.089	2.370	1.701	2.802	35	0-5
J09	L-58	26232	2.089	2.370	1.701	2.002	38	0-5
J07	L-44	26193	2.089	2.370	1.701	2.202	40	0-5
F02	K-09	35285	2.537	2.370	1.888	2.402	30	0-5
B10	K-10	35677	2.537	2.370	1.888	2.602	25	0-5
K14	K-05	35950	2.537	2.370	2.088	2.802	30	0-5
P06	K-08	35415	2.537	2.370	1.888	2.002	30	0-5
K02	K-06	35547	2.537	2.370	1.888	2.202	30	0-5
B06	K-03	35839	2.537	2.370	2.288	2.402	30	0-5
F14	K-04	35947	2.537	2.370	1.888	2.602	30	0-5
P10	K-11	35478	2.537	2.370	1.888	1.802	40	0-5
F04	K-33	44876	1.986	2.370	1.894	2.002	50	0-5
D10	K-47	45123	1.986	2.370	1.894	2.202	96/100*	0-5
K12	K-38	44906	1.986	2.370	1.894	2.402	62	0-5
M06	K-42	44912	1.986	2.370	1.894	2.602	45	0-5
K04	K-45	45091	1.986	2.370	1.894	1.802	40	0-5
D06	K-43	44867	1.986	2.370	1.894	2.002	60	0-5
F12	K-35	44859	1.986	2.370	1.894	2.202	54	0-5
M10	K-36	44976	1.986	2.370	1.894	2.402	35	0-5
D04	L-38	22166	2.070	2.370	1.856	2.602	15	0-5
D12	L-40	22168	2.070	2.370	1.856	1.802	14	0-5
M12	L-39	22555	2.070	2.370	1.856	2.002	12	0-5
M04	L-37	22318	2.070	2.370	1.856	2.202	12	0-5
H06	L-60	26855	2.070	2.370	1.956	2.402	45	0-5
F08	L-47	26841	2.070	2.370	1.956	2.602	45	0-5
H10	L-61	26848	2.070	2.370	1.956	1.802	22	0-5
K08	L-52	26877	2.070	2.370	1.956	2.002	25	0-5
H02	L-17	23823	2.222	2.370	1.973	1.202	15	0-5
B08	L-19	24107	2.222	2.370	1.973	1.402	16	0-5
H14	L-20	24309	2.222	2.370	1.973	1.602	12	0-5
P08	L-18	23838	2.222	2.370	1.973	1.802	12	0-5
F06	K-24	38370	2.222	2.370	1.973	2.002	75	0-5
F10	K-23	38466	2.222	2.370	1.973	2.202	62	0-5
K10	K-26	38664	2.222	2.370	1.973	2.402	40	0-5
K06	K-31	38606	2.222	2.370	1.973	2.602	30	0-5

*Rod was drag tested twice (first test was 96 pounds & retest was 100 pounds).
**Computer scan rate of one second introduced a small amount of error.
***Variance observed during test.
Drag acceptance criteria: 100 pounds in dashpot & 40 pounds in thimble