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Gary J. Taylor
Vice President
Nuclear Operations

November 21, 1995
RC-95-0283

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

Attention: Mr. Stephen Dembek

Gentlemen:

Subject: VIRGIL C. SUMMER NUCLEAR STATION (VCSNS)
DOCKET NO. 50/395
OPERATING LICENSE NO. NPF-12
TECHNICAL SPECIFICATION CHANGE - TSP 950010
ONE TIME EXTENSION OF ALLOWABLE OUTAGE
TIME FOR RHR TRAINS

South Carolina Electric & Gas Company (SCE&G), acting for itself and as agent for South Carolina Public Service Authority, hereby requests an amendment to the Virgil C. Summer Nuclear Station (VCSNS) Technical Specifications (TS). This change is being submitted pursuant to 10 CFR 50.90. This proposed change will allow a one time extension of the allowable outage time specified in TS 3/4.5.2 for each residual heat removal (RHR) train from 72 hours to 7 days.

A similar request for an allowed outage extension was approved by the NRC on May 31, 1994, for Georgia Power's Plant Vogtle. The increase in Core Damage Frequency (CDF) for VCSNS is the same as the increase noted by Vogtle in their request.

The one time extension is necessary to allow maintenance and modification to the RHR system while the plant is in Mode 1. Performance of the maintenance and modification at power will result in a significant reduction in personnel radiation exposure compared to performing it after plant shutdown. Also, performance of the maintenance and modification at power will increase the availability of both trains of RHR during refueling.

The maintenance involves the replacement of the RHR heat exchanger (HX) head gasket and is necessary to eliminate minor leakage from the RHR HXs. The modification is to be performed on the suction header valve to each RHR pump and involves drilling a hole in the valve disk to provide additional assurance against pressure locking. The modification is being implemented to address IEN 95-14, "Susceptibility of Containment Sump Recirculation Valves to Pressure Locking". The time requested is based on experience gained from previous repair evolutions on the components.

The maintenance for each RHR HX and modification to the suction header valve of the same train will be worked concurrently. The redundant RHR train will be maintained operable during the time of the maintenance and modification.



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An evaluation of the effects of the one time increase in the allowable outage time on the calculated core damage frequency (CDF) has been performed. The evaluation was based on the IPE model which has been updated to include plant modifications and equipment history changes through Cycle 7. The PRA model has a CDF of $1.006E-4$ per reactor year. The calculation indicated that the cumulative effect of increasing the allowable outage time from 72 hours to 7 days would change the CDF from $1.024E-4$ to $1.050E-4$ per reactor year for the maintenance and modification for both trains of RHR.

The TS change request (TSCR) is contained in the following attachments:

- | | |
|----------------|--|
| Attachment I | Description of Changes Chart
Marked-up Technical Specification Pages
Revised Technical Specification Pages |
| Attachment II | Description of Amendment Request and the
Supporting Safety Evaluation |
| Attachment III | Description of Amendment Request and the
Associated No Significant Hazards Evaluation |

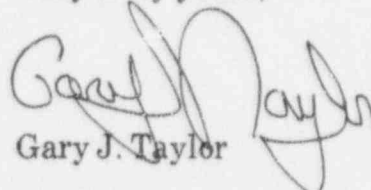
This proposed change has been reviewed and approved by both the Plant Safety Review Committee and the Nuclear Safety Review Committee.

SCE&G requests approval of this change to the VCSNS TS by December 31, 1995. This will allow the maintenance and modification for at least one train of RHR to be implemented prior to our ninth refueling outage (RF9). The redundant train maintenance and modification is also being considered for implementation prior to RF9, but, if necessary, the maintenance may be deferred until prior to RF10 with the valve modification performed during RF9.

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. Jim Turkett at (803) 345-4047 at your convenience.

Very truly yours,


Gary J. Taylor

JT/GJT/dr
Attachments (3)

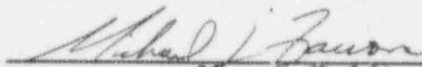
c: See page 3 of 3

c: J. L. Skolds (w/o Attachments)
O. W. Dixon
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RTS (TSP 950010)
File (813.20)

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

I hereby certify that on the 21st day of November 19 95, 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

SCE&G -- Explanation of Changes

<u>PAGE</u>	<u>Affected Section</u>	<u>Bar #</u>	<u>Description of Change</u>	<u>Reason for Change</u>
3/4 5-3	3.5.2	1	Added Asterisk (*).	To identify applicable footnote.
	3.5.2 Action a.	2	Added Asterisk (*).	To identify applicable footnote.
	Footnote	3	Added Footnote.	To allow extension for maintenance to RHR heat exchangers and modification to RHR pump suction header valves.