



January 20, 2000  
RC-99-0230

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

Gentlemen:

Subject: VIRGIL C. SUMMER NUCLEAR STATION  
DOCKET NO. 50/395  
OPERATING LICENSE NO. NPF-12  
LICENSEE EVENT REPORT (LER 1999-004-01), SUPPLEMENT  
2  
FAILURE OF TOP NOZZLE HOLDDOWN SPRINGS

**Gary J. Taylor**  
Vice President  
Nuclear Operations

This supplement to Licensee Event Report No. 1999-004-00, is being submitted to provide the results of the Westinghouse root cause.

The following text was taken directly from Westinghouse letter 99CG-G-0046:

*"Westinghouse has determined that the primary causal factor for the fractured spring screws is the top nozzle design does not accommodate the variability of Inconel 600, a material susceptible to Primary Water Stress Cracking (PWSCC). The lack of sufficient controls in our material specification contributed to the variability. Variations in assembly practice, notably the uncontrolled use of neolube, may have contributed in the case of the more difficult to assemble nozzle designs but is believed not to be the primary cause".*

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Virgil C. Summer Nuclear Station  
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This completes the notification actions on this LER.

Should you have any questions, please call Mr. Jim Proper at (803) 345-4088.

Very truly yours,

Gary J. Taylor

GJT/JRP  
Attachment

c:	J. L. Skolds	D. L. Abstance
	R. R. Mahan (w/o attachment)	EPIX Coordinator
	R. J. White	J. B. Knotts, Jr.

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