

APRIL 6 1979

Docket Nos. 50-280
and 50-281

Mr. W. L. Proffitt
Senior Vice President - Power
Virginia Electric and Power Company
Post Office Box 26666
Richmond, Virginia 23261

Distribution

Docket Files 50-280/281
NRC PDR 50-280/281
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V. Stello
D. Eisenhut
R. Vollmer
B. Grimes
T. J. Carter

OI&E (3)
A. Schwencer
D. Neighbors
P. Kreutzer
ACRS (16)
TERA
J. Buchanan
W. Russell
Attorney, OEL

Dear Mr. Proffitt:

We were recently notified by our Office of Inspection and Enforcement, that while conducting an electrical load study to determine if additional load could be added to the Surry Power Station, Unit Nos. 1 and 2 Class 1E buses, a design deficiency was discovered where existing loads could exceed the design rating for some 4160/480 volt transformers and circuit breakers. This error could have resulted in an under power condition preventing the proper functioning of engineered safeguards equipment during a postulated loss of coolant accident. We understand that you are taking action to correct this problem while Units 1 and 2 are shut down. Your planned modification to the existing Class 1E system should follow IEEE 308 guidelines to ensure system adequacy.

Since these modifications have potential safety significance, were the result of a possible design error and may involve changes to your facilities which were not described in the safety analysis report, we have concluded that we should review the modifications being made and the post-modification testing that you plan to perform.

We therefore, request that you provide us with your modification plans and testing program for our review and approval prior to the startup of Units 1 and 2.

Since these changes may involve a significant hazards consideration and a 30-day notice period, we suggest that you respond as soon as possible with an appropriate license amendment.

Sincerely,

D. L. Ziemann

Richard H. Vollmer, Assistant Director
for Systems and Projects
Division of Operating Reactors

7905100073

for

OFFICE	cc.....See next page.....	DOR:ORB1.....	DOR:PSB.....	DOR:ORB1.....	DOR:AD:&&P.....
SURNAME	JDNeighbors.....	JBGLainas.....	ASchwencer.....	RHVollmer.....
DATE	04/...../79.....	04/...../79.....	04/...../79.....	04/...../79.....

Mr. W. L. Proffitt
Virginia Electric and Power Company

cc: Mr. Michael W. Maupin
Hunton and Williams
Post Office Box 1535
Richmond, Virginia 23213

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College of William and Mary
Williamsburg, Virginia 23185

Donald J. Burke
U. S. Nuclear Regulatory Commission
Region II
Office of Inspection and Enforcement
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

April 16, 1979

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and 50-281

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Senior Vice President - Power
Virginia Electric and Power Company
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Richmond, Virginia 23261

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Sincerely,

A handwritten signature in cursive script, appearing to read "Richard H. Vollmer", is written over the typed name.

Richard H. Vollmer, Assistant Director
for Systems and Projects
Division of Operating Reactors

cc: See next page