VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

September 15, 2005

United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Serial No. 05-608
NAPS: MPW
Docket Nos. 50-338/339
License Nos. NPF-4/7

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION UNITS 1 & 2
POST ACCIDENT MONITORING INSTRUMENTATION REPORT

Pursuant to North Anna Technical Specification (TS) 3.3.3.B and TS 5.6.6 a Post Accident Monitoring (PAM) Instrumentation Report is hereby submitted due to an excore source range neutron flux indication channel being out of service for greater than thirty days.

At 2227 hours on August 5, 2005, North Anna Unit 2 experienced an automatic reactor trip from 100 percent power during a severe thunderstorm. Following the trip the Channel III Excore Source Range Neutron Flux Indicator failed. Subsequent troubleshooting and cable testing determined a fault on the A3 cable at approximately 596 feet from the cable test point. This location is at a junction box in the basement of the Unit 2 containment building. The cable fault condition was not determined until after Unit 2 was returned to full power operation. The location of the junction box is not accessible during normal power operations. Repairs to the A3 cable have been scheduled during the 2005 Unit 2 fall refueling outage.

The Station Nuclear Safety and Operating Committee has reviewed this report. Should you have any questions regarding this report, please contact us.

Sincerely,

for

J. M. Davis
Site Vice President

Commitments made in this letter: Indicator repairs will be scheduled during the 2005 Unit 2 fall refueling outage.

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cc: U. S. Nuclear Regulatory Commission
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Mr. J. T. Reece
NRC Senior Resident Inspector
North Anna Power Station