

November 16, 1999



VIRGINIA POWER

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

Serial No. 99-560
NAPS: MPW
Docket No. 50-338
License No. NPF-4

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION UNIT 1
INOPERABLE APPENDIX R FIRE DAMPER SPECIAL REPORT

A Special Report is being submitted in accordance with the North Anna Power Station Technical Requirements Manual (TRM) Section 7.2 and General Requirement (GR) 1.0.10 for an inoperable Appendix R mechanical fire damper.

A Fire Protection Program self-assessment identified an enhancement to functionally test Appendix R mechanical fire dampers. It was determined that a functional test once every four years would be acceptable for this purpose. During the first performance of the functional test on October 19, 1999, Appendix R mechanical fire damper, 1-FP-FDMP-1051A, did not fully close due to a slight deflection in the ventilation duct. The damper is located in a ventilation duct exiting the heating ventilation and air condition (HVAC) room for the Technical Support Center (TSC). The fire damper is installed horizontally in the ventilation duct and is spring loaded to close when the fusible link releases. The deflection in the exhaust duct was caused by the expansion of fire retardant foam material installed around the exterior of the duct at the penetration through the ceiling. It appears this condition has existed since original installation of the foam material.

The TRM requires a visual inspection of Appendix R fire dampers once every eighteen months. Fire dampers are inspected to ensure the fusible link is present, there are no signs of physical deterioration or damage that could adversely affect operation, and signs of blockage or binding. Previous visual inspections did not identify any abnormalities that would obstruct operation of the dampers including the slight deflection in the duct for fire damper 1051A.

A second mechanical fire damper, 1-FP-FDMP-1033 Non-Appendix R, failed its functional test in a manner similar to that of fire damper 1051A. Both fire dampers were repaired, functionally tested and returned to service. All other mechanical fire dampers tested, operated as designed.

The Station Nuclear Safety and Operating Committee has reviewed this report and it will be provided to the Management Safety Review Committee. Should you have any questions regarding this report, please contact us.

Very truly yours,



W. R. Matthews
Site Vice President

Commitments made in this letter: None

cc: U. S. Nuclear Regulatory Commission
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North Anna Power Station