

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

December 20, 1991

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Serial No. 91-746
NL&P/JYR
Docket Nos. 50-280
50-281
50-338
50-339
License Nos. DPR-32
DPR-37
NPF-4
NPF-7

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION UNITS 1 AND 2
NORTH ANNA POWER STATION UNITS 1 AND 2
TIP/CECOR TOPICAL REPORT VEP-NAF-2

Enclosed for your review and approval is the Virginia Electric and Power Company's Topical Report VEP-NAF-2, "Reactor Power Distribution Analysis Using A Moveable In-Core Detector System and The TIP/CECOR Computer Code Package," November, 1991.

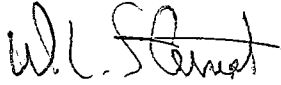
The attached report describes Virginia Electric and Power Company's TIP/CECOR computer code package as an alternative methodology to synthesize three-dimensional core power distributions. We currently use the INCORE code to perform this function. However, INCORE does not have the ability to model the number of core axial regions that are required by the use of part-length flux suppression inserts. These inserts are planned for use in Surry Unit 1, Cycle 13 which is currently scheduled for Spring 1994. It is our intention to use TIP/CECOR for core power distribution monitoring and surveillance, core follow and methods development verification for both Surry and North Anna Power Stations.

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The attached report has been reviewed by the Station Nuclear Safety and Operating Committee at each station. If you have any questions on the material in the report, please contact us.

Very truly yours,



W. L. Stewart
Senior Vice President - Nuclear

Enclosure

cc: U.S. Nuclear Regulatory Commission
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