

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

October 17, 1978

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
Attn: Mr. O. D. Parr, Chief  
Light Water Reactors Branch No. 3  
Division of Project Management  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Serial No. 580  
PO&M/DJM/GAK:scj  
Docket No. 50-338  
License No. NPF-4

Dear Mr. Denton:

In compliance with the requirements of Amendment No. 1 to Facility Operating License No. NPF-4 - North Anna Power Station, Unit No. 1, the following system change is submitted for your information:

On July 7, 1978, a portable, charcoal and mixed-resin bed demineralizer was installed in the decontamination building inside a waste solidification cubicle. High level liquid waste is now being treated and then returned to the low level liquid waste tanks prior to release. The low level tanks are then recirculated, sampled and analyzed before release. Temporary hoses have been attached (via Jumper Log) pending approval of a design change which will serve to install permanent piping for the demineralizer. Chem-Nuclear's system, acting primarily as an ion-exchanger, allows an additional liquid waste processing capability of between 20 and 30 gpm.

The design specifications will meet the specifications of the existing system and all additional piping will be located in areas previously designated for liquid waste processing. This design change will have no adverse effect on station operations or the operation of safety related equipment.

There will be no environmental impact which was not evaluated by the Commission, since the release of radioactive materials in liquids was evaluated in the Final Environmental Statement and the proposed change will not change the ETS for the Station.

Very truly yours,

*C. M. Stallings*

C. M. Stallings  
Vice President-Power Supply  
and Production Operations

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cc: Mr. James P. O'Reilly, Director  
Office of Inspection and Enforcement

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D.C. THE SECRETARY