

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

W. L. STEWART  
VICE PRESIDENT  
NUCLEAR OPERATIONS

April 14, 1983

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
Attn: Mr. D. G. Eisenhower  
Director  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555

Serial No. 237  
BSD:brh:0423C  
Docket Nos. 50-280  
50-281  
50-338  
50-339  
License Nos. DPR-32  
DPR-37  
NPF-4  
NPF-7

Gentlemen:

GENERIC LETTER 82-33  
EMERGENCY OPERATIONS FACILITIES  
NORTH ANNA AND SURRY POWER STATIONS

Based on recent discussions with the NRC staff, Vepco is committing to provide a hardened Local EOF (LEOF) with ventilation isolation and HEPA filter at each station and a backup Central EOF (CEOF) in the corporate headquarters in Richmond. A description of the hardened LEOF is provided in the attachment. The CEOF will basically remain the same as described in our April 8, 1982 submittal. Vepco will provide a submittal by May 6, 1983 to replace our April 8, 1982 submittal.

Please contact us if you have any questions.

Very truly yours,

*W. L. Stewart*  
W. L. Stewart

*A003*

*Add:  
W. Paulson*

Attachment

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F PDR

VIRGINIA ELECTRIC AND POWER COMPANY TO

Mr. Harold R. Denton

cc: Mr. Steven A. Varga, Chief  
Operating Reactors Branch No. 1

Mr. Robert A. Clark, Chief  
Operating Reactors Branch No. 3

Mr. J. P. O'Reilly  
Regional Administrator - Region II

Mr. D. J. Burke  
Resident Inspector - Surry

Mr. M. B. Shymlock  
Resident Inspector - North Anna

EMERGENCY OPERATIONS FACILITIES  
STRUCTURAL AND HABITABILITY INFORMATION

The hardened local emergency operations facilities (LEOF) will be constructed adjacent or connected to the existing training facilities at each station. The present design calls for the exposed exterior walls of the LEOF addition at North Anna to be constructed of 7 1/2" solid core masonry unit (CMU) and 3 1/2" brick facing. Walls, which are adjacent to the existing training center, will be built of 8" solid CMU and will abut the 12" thick existing masonry wall. All exterior walls of the LEOF addition at Surry will be built of 12" CMU. The roof of each LEOF addition will be a 9" thick reinforced concrete slab. Based on this design we estimate that the protection factor for the LEOF to be greater than 8 for attenuation of 0.7 MEV gamma radiation.

The HVAC system of the LEOF will provide ventilation isolation, and HEPA filters will be used. The LEOF will operate at positive pressure, when airborne radioactive contaminants are detected. Entry to the LEOF will be through a two door vestibule.

The LEOFs will be well engineered structures designed to the BOCA Code. Use of the BOCA Code is consistent with the design standard use for other structures on site. The BOCA Code is the uniform building code used in Virginia.

The interim LEOF area, which includes the simulator area at each training center, will be used whenever practical to provide additional facilities.

The back-up Central EOF (CEOF) complex will be located on the fifth floor of the Vepco Corporate Headquarters in Richmond. The April 8, 1982 Vepco submittal provides further details on the CEOF. In the event that the LEOF is evacuated, the personnel in the CEOF would immediately assume the role of the LEOF personnel.