

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

August 10, 1995

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

Serial No. 95-270  
NL&P/CGL R1"  
Docket Nos. 50-338  
50-339  
50-280  
50-281  
License Nos. NPF-4  
NPF-7  
DPR-32  
DPR-37

Gentlemen:

**VIRGINIA ELECTRIC AND POWER COMPANY**  
**NORTH ANNA POWER STATION UNITS 1 AND 2**  
**SURRY POWER STATION UNITS 1 AND 2**  
**90-DAY RESPONSE TO GENERIC LETTER 92-01, REV. 1, SUPP. 1**  
**REACTOR VESSEL STRUCTURAL INTEGRITY**

Generic Letter 92-01, Revision 1, Supplement 1, entitled "Reactor Vessel Structural Integrity," was issued on May 19, 1995. The NRC issued this supplement to require licensees to identify, collect, and report any new data pertinent to analysis of structural integrity of their reactor pressure vessels (RPVs). Licensees were also requested to assess the impact of pertinent data on their RPV integrity analyses relative to the requirements of 10CFR50.60 and 10CFR50.61, Appendices G and H to 10CFR50 (which encompass pressurized thermal shock (PTS) and upper shelf energy (USE) evaluations), and any potential impact on low temperature overpressure (LTOP) limits or pressure-temperature (P-T) limits.

Specifically, Part (1) of the generic letter requires that the following information be provided:

"a description of those actions taken or planned to locate all data relevant to the determination of RPV integrity or an explanation of why the existing data base is considered complete as previously submitted"

**North Anna Units 1 and 2 Welds, Plates, and Forgings**  
**Surry Units 1 and 2 Rotterdam Welds**

The North Anna Units 1 and 2 reactor vessels, as well as portions of the Surry Units 1 and 2 reactor vessels, were fabricated by the Rotterdam Dockyard Company. To date, the following sources of information have been identified and utilized in the evaluation of the North Anna Units 1 and 2 reactor vessel beltline materials (welds, plates, and forgings) and the Surry Units 1 and 2 Rotterdam weld materials:

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- Plant-specific reactor vessel materials surveillance reports and
- Virginia Power documentation of reactor vessel materials (e.g., vendor correspondence, reports, etc.).

Because several other U. S. nuclear reactor vessels were fabricated by the Rotterdam Dockyard Company, additional information on Rotterdam weld materials and weld material surrogates may exist for the weld wire heats used in the fabrication of the North Anna and Surry reactor vessels. To ensure that relevant chemical and mechanical test data have been identified, confirmatory searches of known data sources for these reactor vessel beltline materials will be conducted. Potential sources of additional data include:

- Westinghouse Electric Company records,
- Rotterdam Dockyard Company fabrication records,
- Virginia Power internal documentation, and
- Industry data bases (e.g., RPVDATA, PREP3, PR-EDB, RVID, etc.).

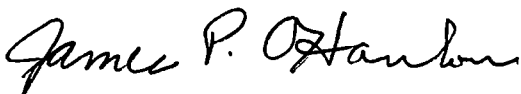
#### Surry Units 1 and 2 Linde 80 Welds, Plates, and Forgings

The portions of the Surry Units 1 and 2 reactor vessels that were not fabricated by Rotterdam Dockyard Company were fabricated by Babcock & Wilcox (B&W). The response to Part (1) of Generic Letter 92-01, Revision 1, Supplement 1, for the B&W-fabricated portions of the Surry Units 1 and 2 reactor vessels (i.e., Linde 80 welds, plates, and forgings) is included in B&W Report BAW-2257, dated July 1995. This report has been transmitted separately to the NRC by B&W Owners Group (B&WOG) letter OG-95-1527, dated August 1, 1995. As indicated in that report, the B&WOG Reactor Vessel Working Group (RVWG) believes that the available data, relevant to the assessment of its member plant vessels, have been appropriately considered in the submitted reactor vessel integrity evaluations.

The six-month response to Parts (2), (3), and (4) of the generic letter for North Anna and Surry will be provided by November 20, 1995.

If you have questions regarding this response to Part (1) of Generic Letter 92-01, Revision 1, Supplement 1, please contact us.

Very truly yours,



James P. O'Hanlon  
Senior Vice President - Nuclear

cc: U. S. Nuclear Regulatory Commission  
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Mr. R. D. McWhorter  
NRC Senior Resident Inspector  
North Anna Power Station

Mr. M. W. Branch  
NRC Senior Resident Inspector  
Surry Power Station

COMMONWEALTH OF VIRGINIA )  
 )  
COUNTY OF HENRICO )

The foregoing document was acknowledged before me, in and for the County and Commonwealth aforesaid, today by J. P. O'Hanlon, who is Senior Vice President - Nuclear, of Virginia Electric and Power Company. He is duly authorized to execute and file the foregoing document in behalf of that Company, and the statements in the document are true to the best of his knowledge and belief.

Acknowledged before me this 10<sup>TH</sup> day of August, 1995.

My Commission Expires: May 31, 1998.

Vicki L. Huel  
Notary Public

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