

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

June 30, 1994

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

Serial No. 94-342
NL&P/CGL R1'
Docket Nos. 50-280
50-281
License Nos. DPR-32
DPR-37

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION UNITS 1 AND 2
GENERIC LETTER 92-01, REVISION 1
REACTOR VESSEL STRUCTURAL INTEGRITY
REQUEST FOR ADDITIONAL INFORMATION

We have received your May 24, 1994 request for additional information for Surry Power Station Units 1 and 2 related to Generic Letter 92-01, Revision 1, regarding reactor vessel integrity. The information requested for Surry is verification of the NRC data base inputs, confirmation of the the plant-specific applicability of various B&WOG topical reports, and provision of additional data to demonstrate adequate upper shelf energy (USE) at end-of-life (EOL) for the nozzle belt to intermediate shell circumferential welds in the Surry Units 1 and 2 vessels.

Virginia Electric and Power Company is a participant in the Babcock & Wilcox Owners Group (B&WOG) Reactor Vessel Integrity Program for Surry Units 1 and 2. The B&WOG Reactor Vessel Working Group (RVWG) utilities have received letters from the NRC staff requesting confirmation of the plant-specific applicability of various B&WOG topical reports to their plants. The B&WOG RVWG is comprised of ten utilities with sixteen plants.

To ensure consistency among the responses of the participating utilities, the RVWG utilities proposed the preparation of a generic response to the NRC requests for additional information. The feasibility of a generic response by the B&WOG was discussed by representatives of the B&WOG and Mr. J. R. Strosnider of the NRC staff. Mr. Strosnider agreed that this was a reasonable approach and indicated that such an approach would not affect the NRC staff's overall schedule of planned actions. He did note, however, that it would be necessary to have a letter of response on each docket which either includes or references the generic response.

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In response to the NRC request for Surry, the following information is provided. Verification of the NRC data base inputs and confirmation of the plant-specific applicability to Surry of B&W topical reports BAW-2178P, Revision 1, dated December 1993, and BAW-2192P, Revision 0, dated February 1993 has been provided to the NRC by B&W report BAW-2222 (the B&WOG RVWG generic response). B&W report BAW-2222, which is entitled "Response to Closure Letters to NRC Generic Letter 92-01, Revision 1," dated June 1994, was transmitted to the NRC by B&WOG letter OG-94-1393, dated June 23, 1994.

Regarding the request for additional data to demonstrate adequate USE at EOL for the nozzle belt to intermediate shell circumferential welds in the Surry Units 1 and 2 vessels, reference is made to the Equivalent Margins Analyses documented in B&W topical reports BAW-2178P and BAW-2192P. This information is referenced to demonstrate compliance with the requirements of 10CFR50 Appendix G (i.e., adequate USE) in lieu of the requested additional material properties data. The Surry Units 1 and 2 nozzle belt to intermediate shell circumferential welds and the Unit 2 intermediate to lower shell circumferential weld were manufactured by Rotterdam Dockyard Company. The NRC acceptance letters, both dated March 29, 1994, for B&W topical reports BAW-2178P and BAW-2192P confirm the applicability of the Equivalent Margins Analyses to these Rotterdam welds.

If you have questions regarding this information, please contact us.

Very truly yours,



J. P. O'Hanlon
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