

Public Service
Electric and Gas
Company

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MAY 12 1994

Vice President - Nuclear Engineering

NLR-N94085

United States Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Gentlemen:

GENERIC LETTER 92-01, REVISION 1
REACTOR VESSEL STRUCTURAL INTEGRITY, 10CFR50.54(f)
HOPE CREEK GENERATING STATION
FACILITY OPERATING LICENSE NO. NPF-57
DOCKET NO. 50-354

In response to NRC Letter dated April 6, 1994, Public Service Electric & Gas Company (PSE&G) submits to the NRC as requested the following information:

1. PSE&G commits to the BWR Owners Group effort to validate the methodology for determining the initial RT_{NDT} values identified in Enclosure 1 to the above referenced NRC Letter.
2. PSE&G confirms the plant-specific applicability of BWR Owners Group Topical Report NEDO-32205, Rev. 1 for Hope Creek for 1/4T Upper Shelf Energy (USE) at End of Life (EOL) and Unirradiated USE values identified in Enclosure 2 to the NRC Letter. PSE&G has committed to incorporate NEDO-32205 as part of the Hope Creek licensing basis as stated in our letter dated July 20, 1993 (NLR-N93110). PSE&G requests approval of the topical report as the basis for demonstrating compliance with 10CFR50, Appendix G, Paragraph IV.A.1.
3. PSE&G has verified the information contained in Enclosures 1 and 2 of the above referenced letter.

With regard to the information contained in Enclosure 1, the following corrections and clarifications are provided:

Enclosure 1

- a. Initial RT_{NDT} for Intermediate Shell Plate heat No. 5K2608-1 should be 19°F.
- b. Weld material heat No. 510-01205 data has been omitted and should be added for the Axial welds for the Lower Shell,

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Intermediate Shell, and the Circumferential weld between the Lower-Intermediate and Lower Shell plates. (See Tables 2 and 4 of PSE&G Letters NLR-N92080 dated June 30, 1992 and NLR-N92120 dated September 3, 1992.)

- c. Weld material heat Nos. 519-01205, 504-01205 and D53040 should be included for the Circumferential weld between the Lower-Intermediate and Intermediate Shell Plates.
- d. The reference indicates that fluence levels were provided in PSE&G Letter dated June 30, 1992. However, PSE&G provided the 1/4T fluence levels in this letter, and not the ID fluence levels at End-of-life/Effective Full Power Years contained in the Enclosure. The reference description should be revised.

PSE&G has confirmed only the columns in Enclosure 1 for Heat No. Identification, Initial RT_{pd}, %Cu and %Ni as previously submitted to the NRC in PSE&G Letters NLR-N92080 dated June 30, 1992 and NLR-N92120 dated September 3, 1992.

With regard to the information contained in Enclosure 2, the following corrections and clarifications are provided:

Enclosure 2

- a. PSE&G Letter NLR-N92120 dated September 3, 1992 provided updated 1/4T fluence levels that should be included in the Enclosure. It is understood that rounded off values are being used. The existing Reference for Hope Creek should be revised to delete the word "Fluence". An additional Reference should be added as follows: "Fluence data are from September 3, 1992 Letter from S. Miltenberger (PSEG) to USNRC Document Control Desk, subject: Response to Generic Letter 92-01, Revision 1, Reactor Vessel Structural Integrity, 10CFR50.54(f)".
- b. Weld material heat No. 510-01205 data has been omitted and should be added for the Axial welds for the Lower Shell, Intermediate Shell, and the Circumferential weld between the Lower-Intermediate and Lower Shell plates. (See Tables 2 and 4 of PSE&G Letters NLR-N92080 dated June 30, 1992 and NLR-N92120 dated September 3, 1992.)
- c. Weld material heat Nos. 519-01205, 504-01205 and D53040 should be included for the Circumferential weld between the Lower-Intermediate and Intermediate Shell Plates.
- d. LPCI Nozzle Weld Heat No. 579-01205 should be 519-01205.

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- e. Even though the flux type of weld materials are unknown as far as comparison to known American flux types, the chemical compositions of all welds are known and illustrated in Table 9 of PSE&G Letter dated June 30, 1992.

PSE&G has confirmed only the columns in Enclosure 2 for Heat No. Identification, Material Type, and 1/4T fluence levels as previously submitted to the NRC in PSE&G Letters NLR-N92080 dated June 30, 1992 and NLR-N92120 dated September 3, 1992.

Please contact us should you have any questions regarding this submittal.

Sincerely,



Affidavit

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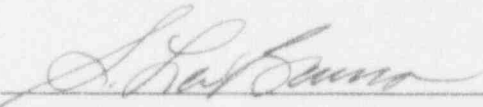
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STATE OF NEW JERSEY)
) SS.
COUNTY OF SALEM)

S. LaBruna, being duly sworn according to law deposes and says:

I am Vice President - Nuclear Engineering of Public Service Electric and Gas Company, and as such, I find the matters set forth in the above referenced letter, concerning the Hope Creek Generating Station, are true to the best of my knowledge, information and belief.



Subscribed and Sworn to before me
this 12th day of May, 1994



Notary Public of New Jersey

My Commission expires on _____
KIMBERLY JO BROWN
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires April 21, 1998