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SUBJECT: Forwards results of revised calculations of WOG Rept
 WCAP-13587, Rev 1, previously transmitted to NRC via NUMARC on
 930930 re reactor vessel upper shelf energy for reactor
 vessel core region plate mats.

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Carolina Power & Light Company

Company Correspondence

DEC 21 1993

Robinson File No.: 13510I
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United States Nuclear Regulatory Commission
ATTENTION: Document Control Desk
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CAROLINA POWER & LIGHT COMPANY
H. B. ROBINSON STEAM ELECTRIC PLANT - UNIT NO. 2
DOCKET NO. 50-261/LICENSE NO. DPR-23
REACTOR VESSEL UPPER SHELF ENERGY FOR REACTOR VESSEL CORE
REGION PLATE MATERIALS

Gentlemen:

The purpose of this letter is to fulfill the commitment to the NRC by Carolina Power & Light Company (CP&L) in a conference call on December 13, 1993, regarding the subject of upper shelf energy of core region plates.

As agreed in the conference call, Westinghouse has submitted the enclosed letters which report results of revised calculations of the Westinghouse Owners' Group Report WCAP-13587, Revision 1, which had been previously transmitted to the NRC via NUMARC on September 30, 1993. The Westinghouse letters take into consideration those items which the NRR proposed in the conference call and provides additional information discussed in a December 17, 1993, conference call. CP&L has reviewed and concurs with the findings and conclusions of the amended WCAP.

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Questions regarding this matter may be referred to Mr. Jan S. Kozyra at (803) 383-1872.

Very truly yours,

A handwritten signature in black ink, appearing to read "David B. Waters". The signature is written in a cursive style with some loops and flourishes.

David B. Waters
Manager - Regulatory Affairs

JSK:lst

Enclosures

c: Mr. S. D. Ebnetter
Ms. B. L. Mozafari
Mr. W. T. Orders

bcc: T. A. Baxter, Esq.
Mr. R. S. Beverage
Mr. R. K. Buckles (LIS)
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Siemens Pwr. Corp. c/o T. Dresser
File: RC/A-2
File: R-2-0210 (J. S. Kozyra)



**Westinghouse
Electric Corporation**

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Mr. J. S. Kozyra, Project Specialist
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Carolina Power & Light Company
H. B. Robinson, SEG Plant
P.O. Box 790
Hartsville, SC 29550

93-CPL-073
ET-NSL-OPL-II-93-560
December 20, 1993

**CAROLINA POWER & LIGHT COMPANY
H. B. ROBINSON UNIT 2
Reactor Vessel Upper Shelf Energy Re-Evaluation
Additional Information**

Reference:

- 1) 93-CPL-072, "H. B. Robinson Unit 2 Reactor Vessel Upper Shelf Energy Re-Evaluation", Westinghouse Letter to CP&L (Mr. G. Weingarten (W) to Mr. J. Kozyra (CP&L)), December 16, 1993.
- 2) Tandon S., et al., WCAP-13587, Revision 1, "Reactor Vessel Upper Shelf Energy Bounding Evaluation for Westinghouse Pressurized Water Reactors", September 1993.

Dear Mr. Kozyra:

Please find attached additional information regarding the revised information prepared by Westinghouse (Reference 1) pertaining to the H. B. Robinson Unit 2 (Plant 7) reactor vessel upper shelf energy data presented in Table 3-2 of WCAP-13587, Revision 1 (Reference 2). The additional information presents excerpts from the Westinghouse Calculation Note detailing the re-evaluation.

Please contact either Mr. S. Tandon (412) 374-6634, Mr. S. A. Swamy (412) 374-6513 or Mr. B. A. Bishop (412) 374-4593, if you have any questions.

Very truly yours,

Gary S. Weingarten
Special Representative
Carolina Area

WJR
Attachment

cc:	D. B. Waters (HBR)	1L, 1A	C. Griffin (CP&L)	1L, 1A
	R. J. Muth (W-HBR)	1L, 1A		
	G. S. Weingarten (W- Raleigh)	1L, 1A		
	Document Control (CP&L)	1L, 1A		

Attachment to 93-CPL-073

H. B. Robinson Unit 2 Reactor Vessel Upper Shelf Energy Re-Evaluation

Additional Information