



UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of

CAROLINA POWER & LIGHT COMPANY )  
AND NORTH CAROLINA EASTERN MUNICIPAL )  
POWER AGENCY )

(Shearon Harris Nuclear Power Plant, )  
Units 1 & 2) )  
)  
)  
)

Docket Nos. 50-400 OL  
50-401 OL

APPLICANTS' SUPPLEMENTAL ANSWERS TO WELLS EDDLEMAN'S  
INTERROGATORIES ON CONTENTIONS 75 AND 83/84

On June 13, 1983, the undersigned counsel for Applicants and Wells Eddleman conducted negotiations pursuant to the Atomic Safety and Licensing Board's Memorandum and Order (Reflecting Decisions Made Following Second Prehearing Conference), dated March 10, 1983, concerning answers of Applicants to Interrogatories 75 and 83/84. As a result of said negotiations, Applicants have agreed to supplement certain of their answers contained in Applicants' Answers to Wells Eddleman's General Interrogatories and Interrogatories on Contentions 22A, 22B, 75, 80, 83/84 and 132 to Applicants Carolina Power & Light Company et al. (First Set), filed April 28, 1983. Specifically, Applicants herein supplement responses to Interrogatories 75-3, 83/84-1(c), 83/84-1(h), 83/84(j), 83/84-1(k), and 83/84-1(u)(ii):

1. Applicants' answer to Interrogatory 75-3 is hereby supplemented by adding the following:

75-3(a). Applicants utilize no chemical or biochemical means in the main condenser itself to protect it from corrosion in connection with organisms.

75-3(b). The only aluminum bronze alloy used in the condenser is in the tube sheet. Specifically, the material used is Aluminum Bronze ASTM-B171 and is 1.375 inches thick.

75-3(c). The aluminum bronze tube sheet is connected to (1) carbon steel shell and water box walls through a flange connection; and (2) Cu-Ni tubes, integrally grooved in the tube sheet.

The tube sheet is not directly grounded to the station grounding system. It is only grounded through its interconnected carbon steel shell and water box.

75-3(d). The condenser is directly grounded to the station grounding system by (2) 4/0 AWG copper cables. The cables are connected through one-inch by one-quarter inch grounding lugs to the carbon steel shell at two opposite sides.

75-3(e). No. The surrounding environment in the area of the grounding connection is non-corrosive.

75-3(f). Not applicable.

2. Applicants' answer to Interrogatory 83/84(c) is hereby supplemented by adding the following:

Applicants have given no specific consideration to this issue other than in 1) insuring that SHNPP discharges meet permitted discharge restrictions imposed by federal and state law, and 2) responding to Interrogatories on Contention 83/84. Applicants have no specific dates therefore except that responses to Interrogatories on Contention 83/84 were filed April 28, 1983.

3. Applicants' answer to Interrogatory 83/84-1(h) is hereby supplemented by adding the following:

(h)(i). Not applicable.

(h)(ii). Not applicable.

(h)(iii). Not applicable.

4. Applicants' answer to Interrogatory 83/84-1(j) is hereby supplemented by adding the following:

CP&L has not specifically studied organic chemicals in any such study.

(j)(i). No.

(j)(ii). No.

(j)(iii). No.

(j)(iv). No.

(j)(v). No.

5. Applicants' answer to Interrogatory 83/84-1(k) is hereby supplemented by adding the following:

CP&L has not specifically studied metals and their salts in any such study.

(k)(i). No.

(k)(ii). No.

(k)(iii). No.

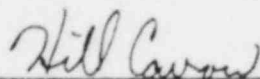
(k)(iv). No.

(k)(v). No.

6. Applicants' answer to Interrogatory 83/84-1(u)(ii) is hereby supplemented by adding the following:

There are no written limits for maximum quantities of each chemical substance not identified in the ER which may be allowed on the SHNPP site.

This 30<sup>th</sup> day of June, 1983.



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AFFIDAVIT OF WILLIAM T. HOGARTH

COUNTY OF WAKE )  
STATE OF NORTH CAROLINA )

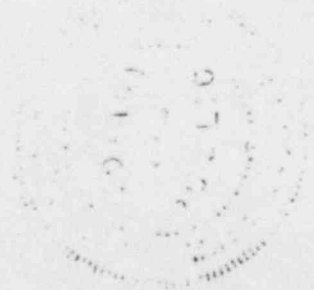
William T. Hogarth, being duly sworn according to law, deposes and says that he is Manager - Environmental Technology Section of Carolina Power & Light Company; that the supplemental answers to Interrogatories on Contention 75 and 83/84 contained in "Applicants' Supplemental Answers to Wells Eddleman's Interrogatories on Contentions 75 and 83/84" are true and correct to the best of his information, knowledge and belief; and that the sources of his information are officers, employees, agents and contractors of Carolina Power & Light Company.

William T. Hogarth  
William T. Hogarth

Sworn to and subscribed before me this 30<sup>th</sup> day of June, 1983.

William T. Bryson  
Notary Public

My commission expires: August 8, 1987



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CERTIFICATE OF SERVICE

I hereby certify that copies of "Applicants' Supplemental Answers To Wells Eddleman's Interrogatories On Contentions 75 and 83/84" were served this 30th day of June, 1983, by deposit in the U. S. mail, first class, postage prepaid, to the parties on the attached Service List.

*Hill Carrow*

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