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SUBJECT: Responds to RAI re GL 92-08, "Thermo-Lag 330-1 Fire Barriers."

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NOTES: Application for permit renewal filed. 05000400

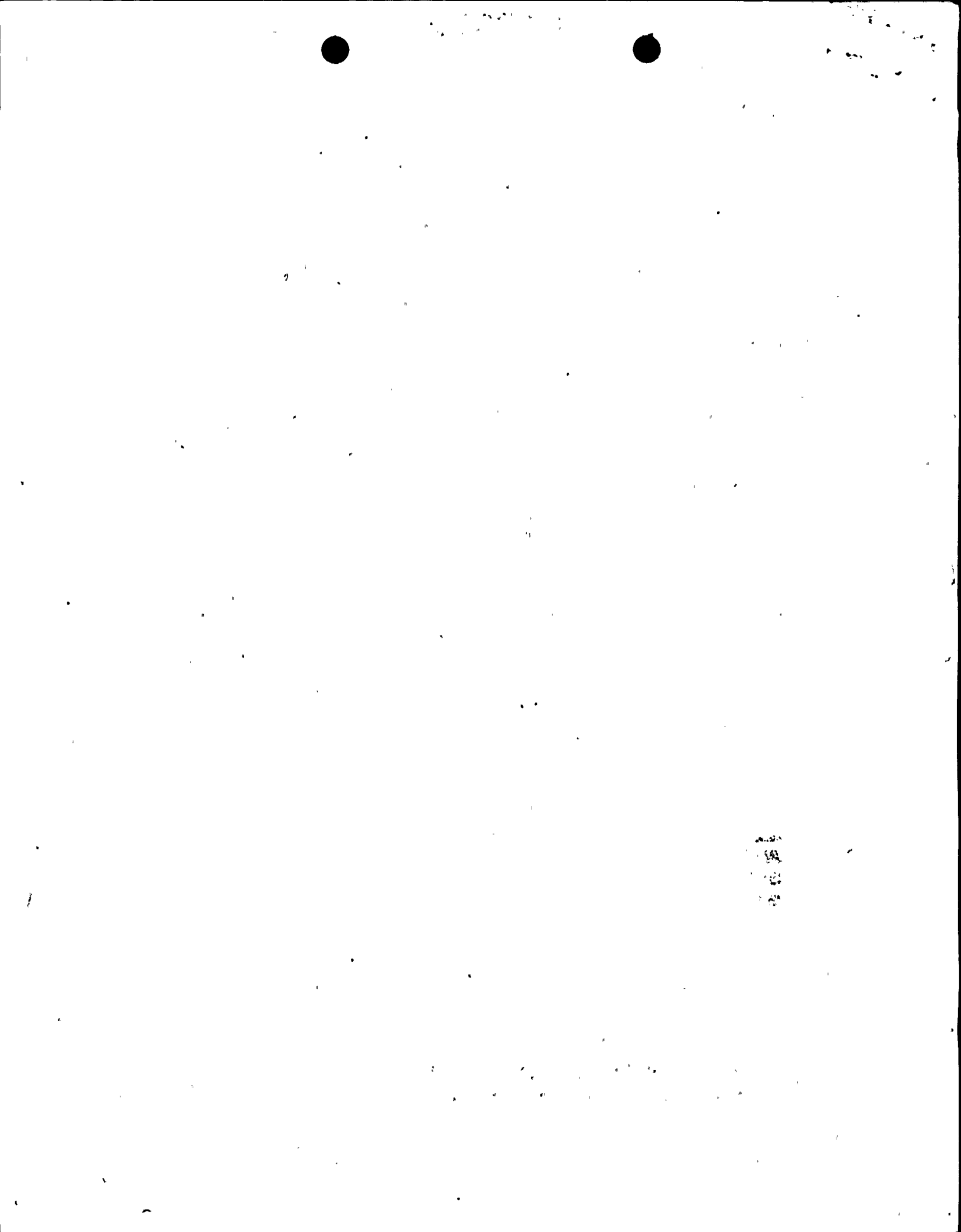
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Carolina Power & Light Company
PO Box 165
New Hill NC 27562

William R. Robinson
Vice President
Harris Nuclear Plant

JUL 12 1996

SERIAL: HNP-96-112

United States Nuclear Regulatory Commission
ATTENTION: Document Control Desk
Washington, DC 20555-0001

SHEARON HARRIS NUCLEAR POWER PLANT
DOCKET NO. 50-400/LICENSE NO. NPF-63
RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION REGARDING
NRC GENERIC LETTER 92-08, "THERMO-LAG 330-1 FIRE BARRIERS"

Dear Sir or Madam:

Pursuant to 10 CFR 50.54(f), Carolina Power & Light Company (CP&L) hereby responds to the NRC request for additional information, dated June 14, 1996, regarding Generic Letter 92-08, "Thermo-Lag 330-1 Fire Barriers." This letter requested a plant-specific response to Question 1.d. of the NRC request for additional information, dated December 23, 1994. Question 1.d required submittal of a supplemental report after test and analyses of Thermo-Lag materials had been completed. Specifically, the June 14, 1996 letter requested a plant-specific response stating that the Thermo-Lag materials used at the Harris Plant are representative of the population of samples tested by the Nuclear Energy Institute (NEI).

As discussed in our letter dated March 23, 1995 (Serial No. HNP-95-036), CP&L participated with other utilities in the Thermo-Lag chemical testing program coordinated by NEI. As discussed in the NEI letter to the NRC dated October 3, 1995, the program consisted of pyrolysis gas chromatography evaluation of 169 samples from participating utilities to assess organic composition, and energy dispersive x-ray spectroscopy of 33 samples to assess inorganic chemical composition. This sample population included 57 samples with Thermal Science Incorporated (TSI) lot numbers representing materials manufactured from 1984 to 1995. Based on the tests results, the test lab, NUCON International, Inc., concluded that all samples contained the constituents identified by TSI, as essential to fire barrier performance. NUCON also determined that the composition of the sample population was consistent in terms of chemical composition.

Six samples of Thermo-Lag material were tested by NUCON in support of the Harris Plant as part of the NEI testing program. Three samples were representative of field installed Thermo-Lag configurations at the Harris Plant. Three samples were taken from specimens used in fire testing performed by CP&L. The NUCON test results indicate that these 6 samples were found to be consistent in terms of chemical composition to other Thermo-Lag samples tested as part of the NEI generic testing program. Therefore, CP&L does not plan to conduct any additional chemical composition testing.

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HNP-96-112 / Page 2

Also included in the NRC request for additional information, dated December 23, 1994, was Question 2.d which requested additional information concerning examinations and inspections of important barrier parameters. Specifically, the letter requested that after information had been obtained and verified, a written supplemental report confirming the completion and providing the results of the examinations and inspections be submitted. CP&L will submit this information as part of our Generic Letter 92-08 closeout documentation. This information will be submitted within 60 days of completion of the overall Thermo-Lag issue. Completion of the overall Thermo-Lag issue will be accomplished by the end of Refueling Outage No. 7, currently scheduled to commence in March 1997.

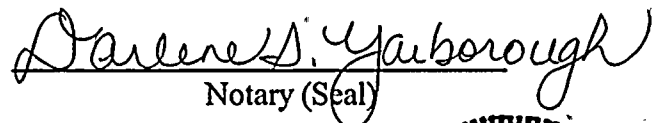
Questions regarding this matter may be referred to Mr. T. D. Walt at (919) 362-2711.

Sincerely,



JHE/jhe

W. R. Robinson, having been first duly sworn, did depose and say that the information contained herein is true and correct to the best of his information, knowledge and belief; and the sources of his information are employees, contractors, and agents of Carolina Power & Light Company.



Notary (Seal)

My commission expires: 2-6-2000

- c: Mr. J. B. Brady, USNRC Resident Inspector - SHNPP, Unit 1
Mr. S. D. Ebnetter, Regional Administrator - Region II
Mr. N. B. Le, NRR Project Manager - SHNPP, Unit 1

