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 50-261 H.B. Robinson Plant, Unit 2, Carolina Power & Light C 05000261
 50-400 Shearon Harris Nuclear Power Plant, Unit 1, Carolina 05000400
 AUTH. NAME AUTHOR AFFILIATION
 EURY, L.W. Carolina Power & Light Co.
 RECIPIENT NAME RECIPIENT AFFILIATION
 Document Control Branch (Document Control Desk)

SUBJECT: Responds to Generic Ltr 88-05, "Boric Acid Corrosion of Carbon Steel Reactor Pressure Boundary Components..."

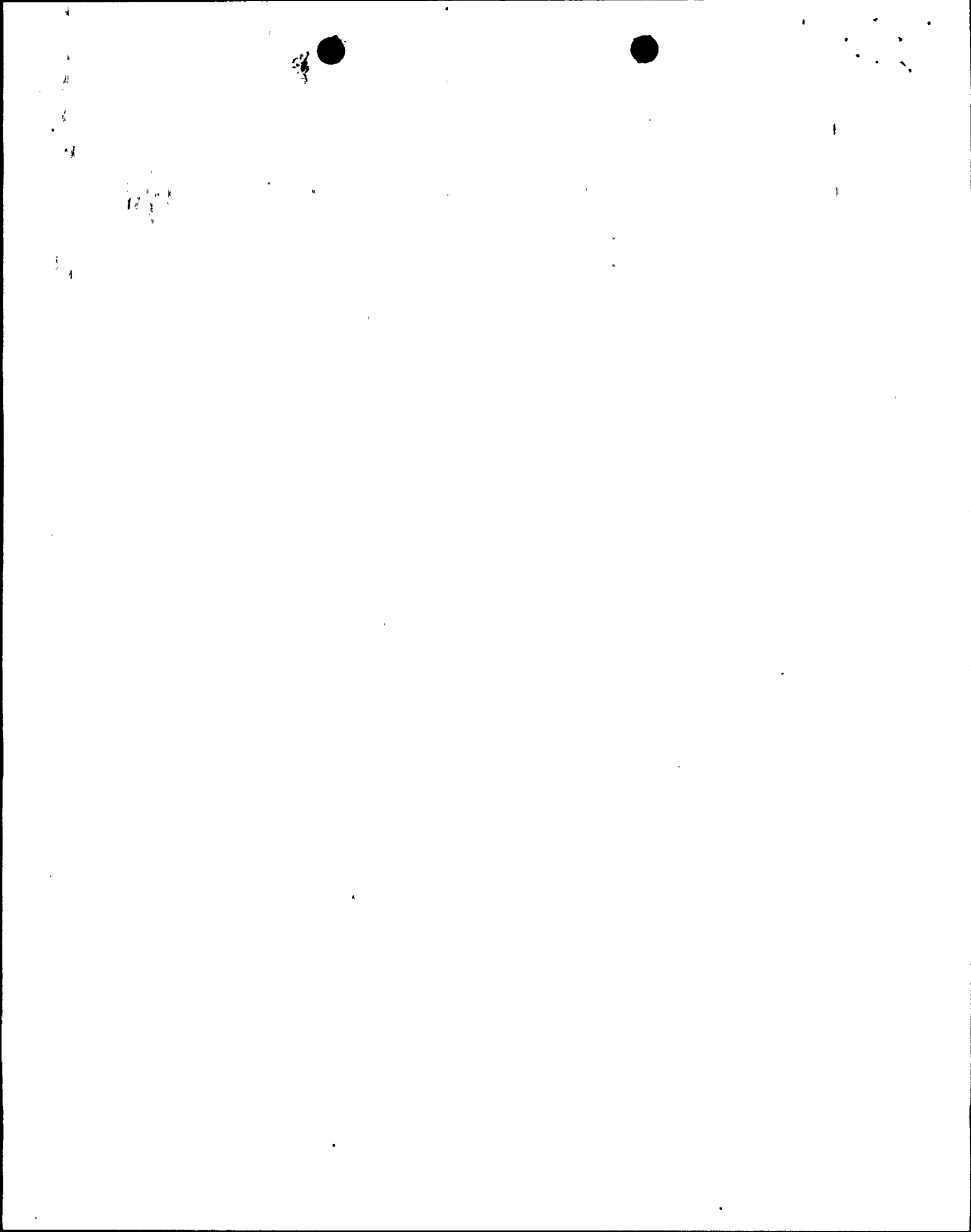
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Carolina Power & Light Company

P. O. Box 1551 • Raleigh, N. C. 27602

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SERIAL: NLS-88-110
10CFR50.54 (f)

LYNN W. EURY
Senior Vice President
Operations Support

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

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261/LICENSE NO. DPR-23

SHEARON HARRIS NUCLEAR POWER PLANT
DOCKET NO. 50-400/LICENSE NO. NPF-63

BORIC ACID CORROSION OF CARBON STEEL REACTOR PRESSURE BOUNDARY
COMPONENTS IN PWR PLANTS (GENERIC LETTER 88-05)

Gentlemen:

Carolina Power & Light Company (CP&L) hereby submits its response to Generic Letter 88-05 (GL88-05) in accordance with the provisions of 10CFR50.54 (f).

CP&L does not currently have a formal program to address the concerns and elements identified in GL88-05 for the H. B. Robinson Steam Electric Plant (HBR2) or Shearon Harris Nuclear Power Plant (SHNPP). However, as a result of experience at HBR2 and within the industry, CP&L has taken a positive approach toward the reduction of boric acid-induced corrosion. Examples of this at HBR2 include closely monitoring detectable leakage (inclusive of leakage rates at less than technical specification limits) and providing status to management should a change in trend occur, inspections for boric acid buildup during refueling outages, instituting a preventative valve repacking program, and torque requirement controls.

Although SHNPP has not yet completed its first operating cycle, significant efforts to prevent boric acid corrosion have been taken based on the review of applicable industry operating experience and NRC notices and bulletins. In particular, maintenance procedures for borated and non-borated water systems include torque requirements and bolt/stud inspection requirements for various sizes and grades of bolting. In addition, the plant performs daily reactor coolant system water inventory balance to calculate identified and unidentified leakage rates. This information is trended and reported to plant management when adverse conditions are noted.

CP&L agrees that a formal program governing boric acid corrosion is appropriate. A formal program which builds upon existing provisions at HBR2 and SHNPP is currently being developed to comply with the provisions of GL88-05 for both units and will be completed and implemented by January 1, 1989.

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Please refer questions regarding the matter to Mr. Leonard I. Loflin at (919) 836-6242.

Yours very truly,

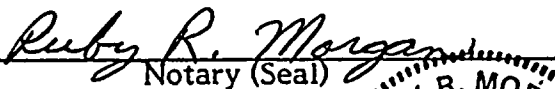

L. W. Eury

LWE/DBB/cyw (5412JSK)

cc: Mr. B. C. Buckley
Mr. L. Garner (NRC -HBR)
Dr. J. Nelson Grace
Mr. R. Lo
Mr. G. F. Maxwell

L. W. Eury, 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 officers, employees, contractors, and agents of Carolina Power & Light Company.

My commission expires: 11/27/89


Notary (Seal)

