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JUL 28 1993

Docket No. 50-400  
License No. NPF-63

Carolina Power and Light Company  
ATTN: Mr. G. E. Vaughn  
Vice President  
Shearon Harris Nuclear Power Plant  
P. O. Box 165 - Mail Zone 1  
New Hill, NC 27562-0165

Gentlemen:

SUBJECT: NRC CONFIRMATORY MEASUREMENTS PROGRAM

As part of the NRC Confirmatory Measurements Program, liquid samples spiked with beta emitting radionuclides were recently sent to your Central Laboratory (Harris Energy and Environmental Center) for radiochemical analyses. The spiked samples, with instructions, were sent under separate cover from the Department of Energy's Radiological and Environmental Sciences Laboratory on July 8, 1993. These samples are to be analyzed for tritium, iron-55, strontium-89, and strontium-90 concentrations in accordance with your approved procedures for analysis of liquid waste samples. If routine analyses of this type are normally performed by a vendor, your vendor should be used to analyze the spike samples.

We request that the analyses be completed as soon as practicable, but no later than 60 days from receipt of this letter. Results should be sent to U. S. Nuclear Regulatory Commission, Region II, ATTN: Mr. T. R. Decker, 101 Marietta Street, Suite 2900, Atlanta, GA 30323. Our evaluation of your results will be discussed with your staff and transmitted by letter. Spiked samples will be sent to you on an annual basis as part of our routine inspection program.

If you have any questions regarding this program, please contact Mr. Norman McNeill at 404-331-5094 or Mr. Thomas R. Decker at 404-331-2559.

Sincerely,

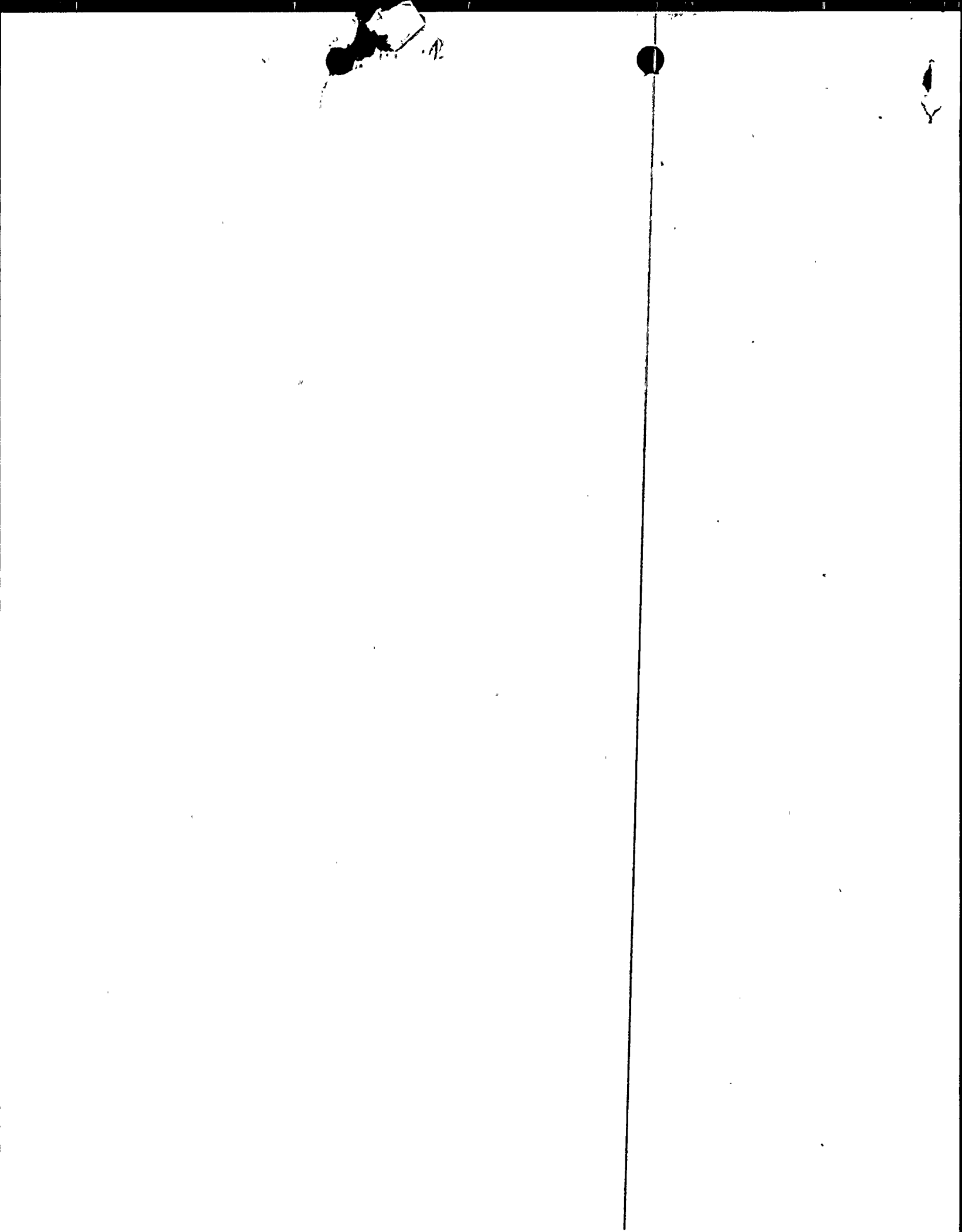
ORIGINAL SIGNED BY  
WILLIAM E. CLINE

William E. Cline, Chief  
Radiological Protection and  
Emergency Preparedness Branch  
Division of Radiation Safety  
and Safeguards

cc: (See page 2)

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Carolina Power and Light Company

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Carolina Power and Light Company 3

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RII:DRSS

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TDecker  
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HChristensen  
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