

July 15, 1977

Docket No.: 50-261

Carolina Power & Light Company  
ATTN: Mr. J. A. Jones  
Senior Vice President  
336 Fayetteville Street  
Raleigh, North Carolina 27602

Gentlemen:

RE: H. B. ROBINSON UNIT NO. 2

Although you are not required to submit routine chlorine monitoring data to the NRC, information on the routine discharge of residual chlorine would be helpful to the NRC in the preparation of Standard Environmental Technical Specifications, as well as in generic evaluation of changes to existing Environmental Technical Specifications. It would be useful in assessing whether there is any environmental impact related to various methods of chlorine usage and in achieving our goal of minimum regulation regarding Environmental Technical Specifications.

We would appreciate your sending the information listed in the enclosure to this letter on a voluntary one-time basis only within the next 60 days. Since this is not related to a licensing action, four copies of the information will suffice. If the information is already available in report form prepared for some other purpose, copies of such a report will be satisfactory.

This request for generic information was approved by GAO under a blanket clearance number B-180225 (Roo72); this clearance expires July 31, 1977.

Sincerely,

Robert W. Reid, Chief  
Operating Reactors Branch #4  
Division of Operating Reactors

Enclosure:  
Chlorine Monitoring Data

cc w/enclosure: See next page	ORR#4: DOR GZwetzig	ORB#2: DOR MGrotenhuis	C-ORB#4: DOR RReid
SURNAME →	7/15/77	7/15/77	7/15/77
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Carolina Power & Light Company

cc: G. F. Trowbridge, Esquire  
Shaw, Pittman, Potts & Trowbridge  
1800 M Street, N. W.  
Washington, D. C. 20036

Hartsville Memorial Library  
Home and Fifth Avenue  
Hartsville, South Carolina 29550

## CHLORINE MONITORING DATA

1. Frequency and duration of chlorination for each system treated (i.e., main condensers, auxiliary service water, etc.). Also indicate frequency of monitoring, and location and timing of sample collection in relation to initiation of chlorination.
2. Type of analysis used (i.e., amperometric, colorimetric, continuous monitoring, etc.) by referencing ASTM on standard methods where applicable. Where more than one type of analyses has been used, indicate effective dates of each method.
3. Sensitivity and precision of each analysis procedure.
4. Comments, where applicable:
  - a. Date chlorination program initiated.
  - b. Additional methods used for maintaining condenser cleanliness, such as mechanical methods, heat treatment and backwashing. Include approximate frequencies of each method.
  - c. Problems with chlorination and monitoring programs, including equipment failures, sensitivity problems, and feed rate guidelines.
  - d. Other comments.
5. For the period 1/1/76 through 12/31/76, list all residual chlorine discharge concentrations recorded, species of residual chlorine (i.e., free, combined, or total residual) measured, date and time of sample and time of chlorination. In those unusual cases where dilution factors are required to calculate the concentration at the station discharge, report the calculated values, indicating this method has been used.
6. If chlorine usage has not been initiated or has been curtailed during this report period (1/1/76 through 12/31/76), report data for the time period of use in 1976 or state that no chlorine has been used at the facility (as appropriate).