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OCT 28 1986

Carolina Power and Light Company
✓ATTN: Mr. E. E. Utley
Senior Executive Vice President
Power Supply and Engineering
and Construction
P. O. Box 1551
Raleigh, NC 27602

Gentlemen:

SUBJECT: ENVIRONMENTAL MONITORING PROGRAM CORRINATION WITH THE STATE OF
SOUTH CAROLINA

The State of South Carolina, as part of an NRC contract, performs environmental monitoring around the Robinson facility. This program includes split sample collection, analysis, and an annual report to the NRC listing State and licensee environmental results. During the past several years, the State has had coordination difficulties with Robinson concerning collection of split environmental samples. This letter is written to clarify responsibilities and improve coordination of the environmental monitoring activities between the State of South Carolina and the licensee.

The State's environmental monitoring program required by the NRC contract is based upon the Robinson environmental technical specifications and does not require additional sampling sites or increased sampling frequency by Robinson personnel. The NRC contract sampling program is listed in the Enclosure and defines sample type, location, collection frequency, and required analyses. In the past, some environmental samples collected by Robinson personnel have been held for several months causing backlog problems for the State laboratory. Additionally, the State has not received certain sample splits required by the contract.

The State's environmental report for the calendar year is due 120 days from the end of the calendar year. The State of South Carolina has had difficulties meeting this deadline, and with reason being that licensee environmental data was not provided in a timely manner. State personnel have requested complete sample analysis data be provided semiannually.

The NRC encourages participation on the environmental monitoring program. The program provides independent verification of licensee results, promotes State/licensee cooperation, and improves public information. The NRC requests that you provide environmental sample splits and analysis data on a timely basis to the State of South Carolina. The State contact for program coordination is Mr. N. Bivens, Director, Division of Radiological Environmental Monitoring.

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If there are any questions or problems concerning this program, please contact Ms. S. Adamovitz of the NRC Region II staff at (404) 331-5591.

Sincerely,

David M. Verrelli, Chief
Reactor Projects Branch 2
Division of Reactor Projects

Enclosure:

NRC/State Contract Environmental
Radiological Verification Monitoring
Program Around Nuclear Power Plants

cc w/encl:

- ✓ J. A. Eaddy, Supervisor, Environmental and Chemistry
- ✓ A. F. Watkins, Foreman, Environmental and Chemistry
- ✓ Heyward G. Shealy, Chief, Bureau of Radiological Health
S.C. Department of Health and Environmental Control
- ✓ Nolan Bivens, Director, Division of Radiological Environmental Monitoring
S.C. Department of Health and Environmental Control
- ✓ P. Beatty, Jr., Manager
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- ✓ E. Morgan, Plant General Manager

bcc w/encl:

- Document Control Desk
- State of South Carolina
- ✓ NRC Senior Resident Inspector

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SAdamovitz
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ENCLOSURE

NRC/STATE CONTRACT
ENVIRONMENTAL RADIOLOGICAL VERIFICATION MONITORING PROGRAM
AROUND NUCLEAR POWER PLANTS

<u>Exposure Pathway and/or Sample</u>	<u>Number of Samples and Location</u>	<u>Sampling and Collection Frequency</u>	<u>Type and Frequency of Analysis</u>
AIRBORNE:			
Particulates	One sample from location of highest calculated ground level concentration and in close proximity of licensee sampler. One sample from control location.	Continuous operation of sampler with sample collection weekly for two weeks out of each month and biweekly for one sample per month.	Gross beta radioactivity following filter change; composite for isotopic analysis quarterly.
Radioiodine	Same as particulates.	One sample per month.	Analyze for I-131
WATERBORNE:			
Surface	One sample, split with licensee, from immediate area of discharge, (or at nearest downstream drinking water supply) and one sample at upstream control location.	Composite sample monthly.	Gamma isotopic analysis monthly and tritium quarterly.
INGESTION:			
Milk	One sample, split with licensee, at the off-site dairy farm or individual milk animal at the location having highest X/Q.	Monthly.	Gamma isotopic and radioiodine analyses.
Fish or Invertebrates	One sample, split with licensee, of a commercially or recreationally important species in vicinity of discharge point.	Semiannually or in season.	Gamma isotopic of edible portions.
Food Products or Broadleaf Vegetation	Two samples split with licensee, of principal food products grown near point having the highest X/Q or from any area which is irrigated by water in which liquid plant wastes have been discharged or green leafy vegetables at a private garden or farm in the immediate area of the plant.	At time of harvest.	Gamma isotopic on edible portion or on green leafy vegetable.
Sediment from Shoreline	One sample split with licensee	Annually.	Gamma isotopic analysis.

a. For I-131 analyses of drinking water supplies, samples shall be composited over a maximum period of two weeks.