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SUBJECT: Forwards 971007 ltr to JW Moyer, transmitting revised pages correcting typographical errors on NPDES permit.

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Carolina Power & Light Company

Robinson Nuclear Plant
3581 West Entrance Road
Hartsville SC 29550

Robinson File No: 12510D

Serial: RNP-RA/97-0227

OCT 15 1997

United States Nuclear Regulatory Commission

Attn: Document Control Desk

Washington, DC 20555

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261/LICENSE NO. DPR-23
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
PERMIT NO. SC0002925
SUBMITTAL OF PERMIT CORRECTIONS

Gentlemen:

By letter dated January 27, 1989, Carolina Power & Light (CP&L) Company committed to provide the NRC with copies of any changes to the National Pollutant Discharge Elimination System (NPDES) Permit No. SC0002925 for the H. B. Robinson Steam Electric Plant (HBRSEP). Attached is a copy of South Carolina Department of Health and Environmental Control (SCDHEC) letter dated October 7, 1997, to Mr. J. W. Moyer, CP&L, HBRSEP, Unit No. 2. This letter transmits revised pages correcting typographical errors

Questions regarding this matter should be referred to me or Mr. H. K. Chernoff of my staff at (803) 857-1437.

Very truly yours,

T. M. Wilkerson
Manager - Regulatory Affairs

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COO111

AHS/ahs
Attachment

- c: Mr. L. A. Reyes, Regional Administrator, USNRC, Region II
- Ms. B. L. Mozafari, USNRC Project Manager, HBRSEP
- Mr. B. B. Desai, USNRC Senior Resident Inspector, HBRSEP

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H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
PERMIT NO SC0002925
SUBMITTAL OF PERMIT CORRECTIONS



2600 Bull Street
Columbia, SC 29201-1708

CERTIFIED MAIL/RETURN RECEIPT REQUESTED

October 7, 1997

Mr. J. W. Moyer
General Manager
Carolina Power & Light Company
H. B. Robinson Steam Electric Plant
3581 West Entrance Road
Hartsville, SC 29550

Re: NPDES Permit No. SC0002925
Carolina Power/H. B. Robinson
Darlington County

Dear Mr. Moyer:

Enclosed are new pages 12 and 13 of 40 and 30 and 31 of 40. Typographical errors have been corrected. Page 12 - toxicity - paragraph 2 - quarter has been changed to month. Page 30 - toxicity - paragraph 13 wording has been changed. Please replace the pages in the permit mailed to you September 29, 1997, with these corrected pages.

If you have any questions, please contact me at 803-734-5234.

Sincerely,

Betty Lou Foster
NPDES Administration

Enclosures

cc: EPA

Marion Rembert, Pee Dee
Sandra Hursey
Florence EQC Lab
Vernon Beaty
Tim Eleazer
NPDES Administration

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting through the expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 011: miscellaneous wastewater consisting of storm water runoff, intake screen wash, and wastewater treated at internal Outfalls 008 and 009 to Black Creek.

Such discharge shall be limited and monitored by the permittee as specified below:

<u>EFFLUENT CHARACTERISTICS</u>	<u>DISCHARGE LIMITATIONS</u>				<u>MONITORING REQUIREMENTS</u>	
	(lbs/day) Monthly <u>Average</u>	Daily <u>Maximum</u>	Other Units (Specify) Monthly <u>Average</u>	Daily <u>Maximum</u>	Measurement Frequency	Sample Type
Biological Monitoring (Whole Effluent Acute Toxicity Predicted % Mortality in 100% Effluent)	-	-	-	MR ^A	1/month ^A	Grab

MR = Monitor and Report

^ASee Part III, Special Condition #14

2. If outfalls 008, and 009 have not discharged for the month via outfall 011, then the acute toxicity testing will not be required.
3. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): the discharge from the yard drain pipe to Black Creek, prior to mixing with any other waste stream.

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting through the expiration date, the permittee is authorized to discharge from internal outfall(s) serial number(s) 013: low volume wastes from steam generator and drainage to the circulating water system discharge line, then via Outfall 001 to Lake Robinson.

Such discharge shall be limited and monitored by the permittee as specified below:

<u>EFFLUENT CHARACTERISTICS</u>	<u>DISCHARGE LIMITATIONS</u>				<u>MONITORING REQUIREMENTS</u>	
	(lbs/day) Monthly <u>Average</u>	Daily <u>Maximum</u>	Other Units (Specify) Monthly <u>Average</u>	Daily <u>Maximum</u>	Measurement Frequency	Sample Type
Flow-m ³ /day (MGD)	-	-	MR	MR	1/month	Estimate ^A
Oil and Grease	-	-	15 mg/l	20 mg/l	1/month	Grab
Total Suspended Solids	-	-	30 mg/l	100 mg/l	1/month	Grab

MR = Monitor and Report

^ASee Part III, Special Condition #12

2. The pH shall be not be less than 6.0 standard units and shall be monitored once per month by grab sample.
3. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): the discharge of the low volume wastewater from the steam generator blowdown, prior to mixing with any other waste stream.

9. The company shall notify the South Carolina Department of Health and Environmental Control in writing no later than sixty (60) days prior to instituting use of any additional maintenance chemicals in the cooling water system. Such notification shall include:
 - a. Name and general composition of the maintenance chemical
 - b. Quantities to be used
 - c. Frequency of use
 - d. Proposed discharge concentration
 - e. EPA registration number, if applicable
 - f. Aquatic toxicity information
10. All sludges, waste oil, and solid and hazardous waste shall be properly disposed of in accordance with the rules and regulations of the Department, including the intake screen backwash.
11. Each individual generating unit is not allowed to discharge chlorine for more than two hours in any one day, unless the permittee can demonstrate to SCDHEC that a longer duration discharge is required for macro invertebrate control.
12. The permittee shall maintain at the permitted facility a record of the method(s) used in measuring the discharge flow:
 - a) Estimate - Pump Curve, Production Chart, Water Use Records, Valve Opening, Tank Volume
 - b) Instantaneous - Bucket and Watch, Weir and Gauge, Parshall Flume
 - c) Continuous - Totalizer, Continuous Chart Recorder

Records of any necessary calibrations must also be kept. This information shall be made available for on-site review by Department personnel during normal working hours.

13. Quarterly 48 hour static acute toxicity tests shall be conducted on Outfall 001 using a control and 100% effluent. The test shall be conducted using *Ceriodaphnia dubia* as the test organism and in accordance with the most recent "Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms", 4th ed. (EPA/600/4-90/027F) and "South Carolina Procedures for Pass/Fail Modifications of the Ceriodaphnia 48 hour Acute Toxicity Test and Ceriodaphnia Survival and Reproduction Test" (SCDHEC, May 1989). The raw data and results shall be submitted in accordance with Part I.D.3 of the permit for each test. The test must be performed by a SCDHEC certified laboratory.
14. Monthly 48 hour static acute toxicity tests shall be conducted on Outfall 011 using a control and 100% effluent. The test shall be conducted using *Ceriodaphnia dubia* as the test organism and in accordance with the most recent "Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms", 4th ed. (EPA/600/4-90/027F) and "South Carolina Procedures for Pass/Fail Modifications of the Ceriodaphnia 48 hour Acute Toxicity Test and Ceriodaphnia Survival and Reproduction Test" (SCDHEC, May 1989). The raw data and results shall be submitted in accordance with Part I.D.3 of the permit for each test. The test must be performed by a SCDHEC certified laboratory.

15. At the time of renewal of the NPDES permit, the permittee shall certify that the ash pond(s) provide(s) the necessary minimum wet weather detention volume to contain the combined volume of all direct rainfall, all rainfall runoff to the pond resulting from the 10-year, 24-hour rainfall event, and maximum dry weather plant waste flows which could occur during a 24-hour period. This volume shall be calculated between the top of the sediment level and the minimum overflow discharge elevation. All data necessary to support this certification shall be maintained on-site and shall be available for inspection by SCDHEC personnel.
16. The permittee shall periodically survey all ash pond dikes and toe areas to determine if the structural integrity has been compromised. These inspections shall be performed annually. The permittee shall notify SCDHEC within five (5) days of becoming aware of any structural abnormalities and provide a proposed course of corrective action and implementation schedule.
17. For the purposes of reporting analytical data on the Discharge Monitoring Report (DMR), actual analytical results should be reported whenever possible. All analytical values at or above the quantification level shall be reported as the measured value. When results cannot be quantified, these values may be treated as "0" (zero).
18. Multiple grabs shall consist of grab samples collected at the approximate beginning of the period of Total Residual Chlorine discharge and once every twenty (20) minutes until TRC is no longer quantifiable.
19. Simultaneous multi-unit chlorination is permitted.
20. The South Carolina Department of Health and Environmental Control has determined that pursuant to Section 316(a) of the Act that the thermal component of the discharge controlled by the temperature criteria on page 2 of this permit assures the protection and propagation of a balanced, indigenous population of fish, shellfish, and wildlife.
21. The South Carolina Department of Health and Environmental Control has determined pursuant to Section 316(b) of the Act that the location, design, construction, and capacity of the cooling water intake structure reflects the best technology available for minimizing adverse environmental impact.
22. Discharge from Lake Robinson Dam during the months of June through September shall be from the lower depths to the extent practicable to assure that the limitations provided on page 2 are not exceeded.
23. Drawdown of Lake Robinson shall be limited to a maximum of 2.0 feet, as a monthly average, below normal pool elevation (220.0 feet) without a prior approval by the SCDHEC. Such approval may impose more stringent thermal limitations than indicated on page 2 during periods of greater drawdown.
24. The Permittee is authorized to operate Unit 1 at maximum power and Unit 2 at 2300 thermal megawatts so long as the thermal limitations provided in permit are not exceeded.