



**Carolina Power & Light Company**

PO Box 1551  
411 Fayetteville Street Mall  
Raleigh NC 27602

Serial: PE&RAS-00-071  
August 17, 2000

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

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2  
DOCKET NOS. 50-325 AND 50-324/LICENSE NOS. DPR-71 AND DPR-62

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

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

**SEMIANNUAL 10 CFR 26 FITNESS FOR DUTY PROGRAM DATA**

Sir or Madam:

In accordance with 10 CFR 26.71(d), enclosed is Carolina Power & Light (CP&L) Company's semiannual Fitness For Duty (FFD) Program performance data.

The enclosed report provides FFD Program performance data for personnel subject to the requirements of 10 CFR 26, for the period January 1, 2000 through June 30, 2000.

Please contact me at (919) 546-6901 if you need additional information concerning this report.

Sincerely,

A handwritten signature in black ink that reads "Terry C. Morton". The signature is fluid and cursive, with the first name "Terry" and last name "Morton" clearly distinguishable.

Terry C. Morton  
Manager - Performance  
Evaluation & Regulatory Affairs

DSL  
Enclosure

- c: L. A. Reyes, Regional Administrator - Region II  
T. A. Easlick, USNRC Senior Resident Inspector - BSEP, Unit Nos. 1 and 2  
A. G. Hansen, NRR Project Manager - BSEP, Unit Nos. 1 and 2  
J. B. Brady, USNRC Senior Resident Inspector - SHNPP, Unit No. 1  
R. J. Laufer, NRR Project Manager - SHNPP, Unit No. 1  
USNRC Resident Inspector - HBRSEP, Unit No. 2  
R. Subbaratnam, NRR Project Manager - HBRSEP, Unit No. 2  
J. A. Sanford - North Carolina Utilities Commission

A021

# **Fitness For Duty Program**

**(January 1, 2000 - June 30, 2000)**

## **PERFORMANCE DATA**

**CP&L**

## **SUMMARY OF MANAGEMENT ACTIONS**

### **Lessons Learned and Actions Taken**

#### **Unauthorized Changes Made to Cutoff Level for Opiate Metabolites**

As noted in the semi-annual report for the period of July 1, 1999, to December 31, 1999, CP&L identified that the Department of Health and Human Services (DHHS) certified laboratory contracted by CP&L to analyze testing samples inadvertently raised the cutoff level for opiate metabolites from 300 ng/ml (the NRC cutoff) to 2000 ng/ml (the Department of Transportation cutoff). This condition existed from December 15, 1999, until February 9, 2000. Unescorted access for employees tested for-cause and pre-access was suspended until valid results for opiate metabolites were obtained. Samples still available were re-analyzed at the proper cutoff. In cases where samples were not available, pre-access and for-cause tests were re-collected and analyzed. All re-collected and re-analyzed samples were negative for opiate metabolites at the NRC cutoff. An investigation performed in accordance with the Corrective Action Program revealed that the lab had an inadequate program for performing, monitoring, and evaluating changes made to customer accounts. Corrective actions to prevent recurrence taken by the contracted laboratory included developing and implementing a formalized account change process that verifies and validates changes. The implementation of this process is complete. CP&L revised its procedure to require verification that the correct cutoff levels are reported on the chemical test report provided by the DHHS certified laboratory. There have been no recurrences of this event.

## **EFFECTIVENESS EVALUATION**

### **Fitness For Duty Program Performance Data**

Random testing is performed at an annual rate of at least 50% of the workforce in accordance with 10 CFR 26.24(a)(2). The current six month reporting period random testing rate was approximately 24.8%. There were 757 random tests conducted with 3057 workers eligible for testing.

The total rate of positive test results for this reporting period was approximately .49%. There were 9 positive results out of 1831 tests. The positive test results were comprised of 7 pre-access, 1 random, 0 for-cause, and 1 other. Unescorted access for the individuals with confirmed positive tests was denied or revoked, as applicable.

For this reporting period, the positive test rate for employees was 0%, with 0 positive results out of 631 tests.

For this reporting period, the positive test rate for contractors was approximately 0.75%, with 9 positive results out of 1200 tests.

There were no unsatisfactory blind performance tests during the reporting period.

There were no identified abuses of over-the-counter or prescription medication during the reporting period.

## **EVENTS REPORTED TO THE NRC**

### Events Reported By Telephone Under 10 CFR 26.73

None.

**FITNESS FOR DUTY PROGRAM  
PERFORMANCE DATA  
Personnel Subject to 10 CFR 26**

Carolina Power & Light Company	January 1, 2000 to June 30, 2000
Company	6 Months Ending
Brunswick Steam Electric Plant	
Location	
Cindy Cunningham	919-546-5360
Contact Name	Phone (include area code)

Cutoffs: Screen/Confirmation (ng/ml) ☐ Appendix A to 10 CFR 26

Marijuana	50/15	Amphetamines	1000/500		/
Cocaine	300/150	Phencyclidine	25/25		/
Opiates	300/300	Alcohol (% BAC)	0.04%		/

Testing Results	Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access	912		N/A		348	
CATEGORIES	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	26	0	N/A	N/A	608	3
For-Cause:						
Post accident	3	0	N/A	N/A	0	0
Observed behavior	0	0	N/A	N/A	0	0
Random	188	0	N/A	N/A	71	0
Follow-Up	0	0	N/A	N/A	0	0
Other	10	0	N/A	N/A	43	1
Total	227	0	N/A	N/A	722	4

## Breakdown of Confirmed Positive Tests for Specific Substances

### BRUNSWICK

	Marijuana (NRC/CP&L CUTOFF)	Cocaine	Opiates	Amphet- amines	Phency- clidine	Alcohol	Refusal to Test	1	2	3	4	5	
Licensee Employees	0/0	0	0	0	0	0	0						
Long-Term Contracts	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
Short-Term Contracts	0/2	1	0	0	0	0	1						A
Total	0/2	1	0	0	0	0	1						2/2

**FITNESS FOR DUTY PROGRAM  
PERFORMANCE DATA  
Personnel Subject to 10 CFR 26**

Carolina Power & Light Company <hr/> <div style="text-align: center;">Company</div> Shearon Harris Nuclear Power Plant <hr/> <div style="text-align: center;">Location</div> Cindy Cunningham <hr/> <div style="text-align: center;">Contact Name</div>	January 1, 2000 to June 30, 2000 <hr/> 6 Months Ending    919-546-5360 <hr/> Phone (include area code)
--	---

Cutoffs: Screen/Confirmation (ng/ml)    ☐ Appendix A to 10 CFR 26

Marijuana	50/15	Amphetamines	1000/500	_____	/
Cocaine	300/150	Phencyclidine	25/25	_____	/
Opiates	300/300	Alcohol (% BAC)	0.04%	_____	/

Testing Results	Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access	699		N/A		414	
CATEGORIES	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	23	0	N/A	N/A	268	3
For-Cause:						
Post accident	0	0	N/A	N/A	0	0
Observed behavior	1	0	N/A	N/A	0	0
Random	226	0	N/A	N/A	115	1
Follow-Up	0	0	N/A	N/A	0	0
Other	4	0	N/A	N/A	14	0
<b>TOTAL</b>	<b>254</b>	<b>0</b>	<b>N/A</b>	<b>N/A</b>	<b>397</b>	<b>4</b>



## Breakdown of Confirmed Positive Tests for Specific Substances

### HARRIS

	Marijuana (NRC/CP&L CUTOFF)	Cocaine	Opiates	Amphet- amines	Phency- clidine	Alcohol	Refusal to Test	1	2	3	4	5	
Licensee Employees	0/0	0	0	0	0	0	0						
Long-Term Contracts	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
Short-Term Contracts	0/2	1	0	0	0	0	1						A
Total	0/2	1	0	0	0	0	1						2/2

**FITNESS FOR DUTY PROGRAM  
PERFORMANCE DATA  
Personnel Subject to 10 CFR 26**

Carolina Power & Light Company	January 1, 2000 to June 30, 2000
Company	6 Months Ending
H. B. Robinson Steam Electric Plant	
Location	
Cindy Cunningham	919-546-5360
Contact Name	Phone (include area code)

  

Cutoffs: Screen/Confirmation (ng/ml)      ☐ Appendix A to 10 CFR 26

Marijuana	50/15	Amphetamines	1000/500	_____	/
Cocaine	300/150	Phencyclidine	25/25	_____	/
Opiates	300/300	Alcohol (% BAC)	0.04 %	_____	/

Testing Results	Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access	555		N/A		129	
CATEGORIES	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	14	0	N/A	N/A	51	1
<u>For-Cause:</u>						
Post accident	0	0	N/A	N/A	0	0
Observed behavior	1	0	N/A	N/A	0	0
Random	131	0	N/A	N/A	26	0
Follow-Up	0	0	N/A	N/A	0	0
Other	4	0	N/A	N/A	4	0
<b>TOTAL</b>	<b>150</b>	<b>0</b>	<b>N/A</b>	<b>N/A</b>	<b>81</b>	<b>1</b>

## Breakdown of Confirmed Positive Tests for Specific Substances

### ROBINSON

	Marijuana (NRC/CP&L CUTOFF)	Cocaine	Opiates	Amphet- amines	Phency- clidine	Alcohol	Refusal to Test	1	2	3	4	5	
Licensee Employees	0/0	0	0	0	0	0	0						
Long-Term Contracts	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
Short-Term Contracts	0/1	0	0	0	0	0	0						A
Total	0/1	0	0	0	0	0	0						0/1