



Carolina Power & Light Company

PO Box 1551
411 Fayetteville Street Mall
Raleigh NC 27602

Serial: PE&RAS-00-010
February 29, 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 July 1, 1999 through December 31, 1999.

Please contact me at (919) 546-4579 if you need additional information concerning this report.

Sincerely,

John R. Caves, Manager
Nuclear 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

(July 1, 1999 - December 31, 1999)

PERFORMANCE DATA

CP&L

SUMMARY OF MANAGEMENT ACTIONS

Lessons Learned and Actions Taken

Unsatisfactory Fitness-For-Duty Performance Testing Results

By letter dated September 9, 1999, (Serial: PE&RAS-99-061), CP&L notified the NRC of unsatisfactory performance testing by LabCorp. On July 2, 1999, a review of testing data received from LabCorp revealed that the test results for three quality control urine samples which had been spiked with amphetamines were inaccurately reported to CP&L as negative. Investigation found that a total of four CP&L specimens (i.e., three quality control samples and one client sample), that had screened positive for amphetamines on LabCorp's primary immunoassay screen were reported as negative based on the results of the secondary screen. LabCorp determined that the cause of this failure was an error in the calibrator settings for the amphetamine assay on the Olympus AU 800 instrument used for rescreens. LabCorp did not have a system in place to control parameter changes made by the technologists on the screening instrument and no verification of parameter changes was performed by another technologist to ensure the changes were indeed correct.

Corrective actions taken include addition of password protection for the Olympus AU 800 so that only approved personnel can make changes to the instrument parameters and addition of a second level of review by another qualified technologist or supervisor for changes in instrument parameters before the instrument is used. In addition, a procedure was implemented to require testing of the instrument by a special quality control procedure in which a sample is spiked at a concentration approximately two times greater than the highest calibrator, following instrument parameter changes, reagent changes, and calibration. CP&L performed a follow-up assessment of these corrective actions on November 4, 1999. Changes in instrument parameters and password protection were verified.

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 25.98%. There were 784 random tests conducted with 3018 workers eligible for testing. The annual testing rate was 55.61% with 1686 random tests conducted with 3032 workers eligible for testing.

For this reporting period, the total rate of positive test results for this reporting period was approximately 0.21%. There were 3 positive results out of 1452 tests. The positive test results were comprised of 0 pre-access, 3 random, 0 for-cause, and 0 other. For the year, the total rate of positive results was approximately 0.42%. There were 13 positive test results out of 3068 tests. The annual positive test results were comprised of 7 pre-access, 4 random, 2 for-cause, and 0 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 approximately 0.15%, with 1 positive result out of 659 tests. For this reporting period, the positive test rate for contractors was approximately 0.25 %, with 2 positive results out of 793 tests.

For the year, the positive test rate for employees was approximately 0.14% with 2 positive test results out of 1472 tests. For the year, the positive test rate for contractors was approximately 0.69%, with 11 positive results out of 1596 tests.

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

On February 9, 2000, CP&L identified that the laboratory contracted by CP&L to analyze testing samples had, since December 15, 1999, raised the cutoff level for opiate metabolites to a level of 2000 (ng/ml). A review of the test results has determined that the test results for opiate metabolites are not comparable to the required cutoff level of 300 (ng/ml). Therefore, CP&L has decided to re-analyze or retest "for-cause" and "pre-access" cases. Additionally, unescorted access for employees tested "for-cause" or for "pre-access" has been suspended until valid results for opiate metabolites are obtained. Employees tested under the random test program have not had unescorted access suspended. The testing data from December 15, 1999, to December 31, 1999, due to the increase in the screening cutoff level for opiate metabolites, is not included in this report. The number of random tests not included due to this event equals 48. An investigation is currently in progress in accordance with the Company Corrective Action Program and the results of the investigation and subsequent corrective actions will be reported in the next semi-annual Fitness For Duty Report.

On December 15, 1999, LabCorp implemented testing for the adulterant nitrite for CP&L.

EVENTS REPORTED TO THE NRC

Events Reported By Telephone Under 10 CFR 26.73

On August 3, 1999, CP&L made a 24-hour report to the NRC identifying a licensed operator who tested positive for illegal drugs on a random test.

On December 7, 1999, CP&L made a 24-hour report to the NRC identifying a contractor supervisor who tested positive for illegal drugs on a random test.

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

Carolina Power & Light Company	July 1, 1999 to December 31, 1999
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	942		N/A		243	
CATEGORIES	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	17	0	N/A	N/A	106	0
<u>For Cause:</u>						
Post accident	0	0	N/A	N/A	0	0
Observed behavior	0	0	N/A	N/A	1	0
Random	222	1	N/A	N/A	54	2
Follow-Up	0	0	N/A	N/A	0	0
Other	1	0	N/A	N/A	0	0
Total	240	1	N/A	N/A	161	2

Breakdown of Confirmed Positive Tests for Specific Substances

BRUNSWICK

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

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

Carolina Power & Light Company	July 1, 1999 to December 31, 1999
Company	6 Months Ending
Shearon Harris Nuclear Power 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	
	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Average Number with Unescorted Access	718		N/A		318	
CATEGORIES	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	17	0	N/A	N/A	70	0
<u>For Cause:</u>						
Post accident	0	0	N/A	N/A	0	0
Observed behavior	0	0	N/A	N/A	0	0
Random	210	0	N/A	N/A	73	0
Follow-Up	0	0	N/A	N/A	0	0
Other	0	0	N/A	N/A	1	0
TOTAL	227	0	N/A	N/A	144	0

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	0/0	0	0	0	0	0	0						A
Total	0/0	0	0	0	0	0	0						0/0

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

Carolina Power & Light Company	July 1, 1999 to December 31, 1999
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	
	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Average Number with Unescorted Access	579		N/A		218	
CATEGORIES	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	25	0	N/A	N/A	429	0
<u>For Cause:</u>						
Post accident	0	0	N/A	N/A	0	0
Observed behavior	0	0	N/A	N/A	1	0
Random	167	0	N/A	N/A	57	0
Follow-Up	0	0	N/A	N/A	0	0
Other	0	0	N/A	N/A	1	0
TOTAL	192	0	N/A	N/A	488	0

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	0/0	0	0	0	0	0	0						A
Total	0/0	0	0	0	0	0	0						0/0