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SUBJECT: Forwards semiannual fitness-for-duty program performance
data rept for period of 990101-990630 for CP&L Co,IAW
10CFR26.71(d).

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Carolina Power & Light Company

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August 25, 1999

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:

Pursuant to 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 10 CFR 26, for the period January 1, 1999 through June 30, 1999. An annual effectiveness evaluation is included in the report.

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

Sincerely,

Terry C. Morton
Manager - Performance
Evaluation & Regulatory Affairs

DSL
Enclosure

- c: L. A. Reyes, Regional Administrator - Region II
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R PDR

A0211

Fitness For Duty Program

(January 1, 1999 - June 30, 1999)

PERFORMANCE DATA

CP&L

Approved: _____

R.C. Gill

Robert C. Gill
Manager, Corporate Security

8/24/99

Date

SUMMARY OF MANAGEMENT ACTIONS

Lessons Learned and Actions Taken

Finding Identified During Laboratory Assessment

While verifying the Quality Control (QC) requirements for initial screening of Fitness For Duty (FFD) samples during a laboratory assessment of LabCorp, the Carolina Power & Light (CP&L) Company's assessor noted that the lab's QC blind samples were potentially identifiable in analytical runs of CP&L samples. The laboratory provides chain-of-custody forms to CP&L which contain pre-printed numbers and bar codes. A scanner reads the pre-printed bar code on the chain-of-custody form and creates a label with the corresponding number. The label is then attached to the aliquot's testing tube and becomes the specimen's identification number. The laboratory's QC blind samples are not processed with the chain-of-custody forms so these samples are identified by generating labels using the laboratory's next sequential numbers. The QC blinds in the analytical runs are identifiable because the specimen identification number may be noticeably out of sequence or grouping from the rest of the samples in the tray.

Interim corrective actions taken by LabCorp included mixing CP&L samples with other samples so that CP&L sequential chain-of-custody accession numbers would not be apparent in the hometray.

Planned actions to prevent recurrence include accession number assignment rotation from pool to pool. LabCorp will create new pools of accession numbers to be used for blind QC samples with each pool containing a contiguous set of numbers unrelated to the other pools.

Operating experience (OE) item 10164 was issued on August 11, 1999, via the Institute of Nuclear Power Operations (INPO's) Nuclear Network to notify the nuclear industry of this potential vulnerability.

Report of Urine Specimen Adulteration

In response to Information Notice 99-08 and Nuclear Network OE 9569, a review was conducted of the processes in place within CP&L's FFD program to determine vulnerability to the use of adulterants. This review included benchmarking with other nuclear plants, a discussion with CP&L's Medical Review Officer, and a visit to LabCorp to specifically discuss adulterant detection. LabCorp indicated, according to current technology, that their tests substantiated that pyridinium chlorochromate would be detected during screening/confirmation under most conditions.

To increase the probability of detection during screening, CP&L plans to implement testing for the adulterant nitrite through coordination with LabCorp in 1999.

EFFECTIVENESS EVALUATION

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 29.60%. There were 902 random tests conducted with 3047 workers eligible for testing.

The total rate of positive test results for this reporting period was approximately 0.62%. There were 10 positive results out of 1616 tests. The positive test results were comprised of 7 pre-access, 1 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 0.12%, with 1 positive result out of 813 tests.

For this reporting period the positive test rate for contractors was approximately 1.12 %, with 9 positive results out of 803 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, 1999 to June 30, 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	963		N/A		370	
CATEGORIES	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	34	0	N/A	N/A	479	6
For Cause:						
Post accident	0	0	N/A	N/A	0	0
Observed behavior	3	1	N/A	N/A	2	1
Random	280	0	N/A	N/A	92	0
Follow-Up	0	0	N/A	N/A	0	0
Other	0	0	N/A	N/A	0	0
TOTAL	317	1	N/A	N/A	573	7

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	0/3	2	0	0	0	1	0	1					
Total	0/4	2	0	0	0	1	0	1					A 4/4

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

Carolina Power & Light Company		January 1, 1999 to June 30, 1999
Company Shearon Harris Nuclear Plant		6 Months Ending
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	711		N/A		282	
CATEGORIES	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	58	0	N/A	N/A	80	1
For Cause:						
Post accident	0	0	N/A	N/A	0	0
Observed behavior	0	0	N/A	N/A	0	0
Random	264	0	N/A	N/A	66	0
Follow-Up	0	0	N/A	N/A	0	0
Other	0	0	N/A	N/A	0	0
TOTAL	322	0	N/A	N/A	146	1

*

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	1/0	0	0	0	0	0	0						A
Total	1/0	0	0	0	0	0	0						1/0

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

Carolina Power & Light Company	January 1, 1999 to June 30, 1999
Company	6 Months Ending
H. B. Robinson Steam Electric	
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	581		N/A		140	
CATEGORIES	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	18	0	N/A	N/A	41	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	156	0	N/A	N/A	43	1
Follow-Up	0	0	N/A	N/A	0	0
Other	0	0	N/A	N/A	0	0
TOTAL	174	0	N/A	N/A	84	1

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	1						A
Total	0/0	0	0	0	0	0	1						1/0