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Serial: PE&RAS-04-090
August 30, 2004

United States Nuclear Regulatory Commission
ATTENTION: Document Control Desk
Washington, DC 20555-0001

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

CRYSTAL RIVER UNIT 3 NUCLEAR GENERATING PLANT
DOCKET NO. 50-302 / LICENSE NO. DPR-72

SHEARON HARRIS NUCLEAR POWER PLANT, UNIT NO. 1
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

Ladies and Gentlemen:

Pursuant to 10 CFR 26.71(d), enclosed is the semiannual Fitness For Duty (FFD) Program performance data for the above listed plants belonging to Carolina Power & Light Company, now doing business as Progress Energy Carolinas, Inc. (PEC), and Florida Power Corporation, now doing business as Progress Energy Florida, Inc. (PEF).

The enclosed report provides FFD Program performance data for personnel subject to the requirements of 10 CFR 26, for the period January 1, 2004 through June 30, 2004.

This document contains no new regulatory commitment.

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

Sincerely,

Tony Groblewski
Supervisor - Regulatory Affairs

HAS
Enclosure

c: W. D. Travers, Regional Administrator – Region II
USNRC Resident Inspector – BSEP, Unit Nos. 1 and 2
USNRC Resident Inspector – CR3
USNRC Resident Inspector – SHNPP, Unit No. 1
USNRC Resident Inspector – HBRSEP, Unit No. 2
B. L. Mozafari, NRR Project Manager – BSEP, Unit Nos. 1 and 2; CR3
C. P. Patel, NRR Project Manager – SHNPP, Unit No. 1; HBRSEP, Unit No. 2
J. A. Sanford – North Carolina Utilities Commission

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Fitness For Duty Program

(January 1, 2004 – June 30, 2004)

PERFORMANCE DATA

SUMMARY OF MANAGEMENT ACTIONS

Lessons Learned and Actions Taken

SUBJECT: Discrepancy in Blind Sample Test Results

In March, the licensee submitted a blind sample specimen to the primary laboratory for testing. The specimen was positive for morphine and codeine, but the primary laboratory erroneously reported the results to be negative. During the investigation, the primary lab determined a crimped reagent line to be the most likely cause of the error, due to restricting flow through the line during the initial analysis. The crimped line had already been replaced on the Olympus 5200 that was used to analyze this specimen prior to the investigation. The laboratory has revised its daily maintenance procedures to include inspection of lines to the reagent valves. The primary laboratory accepted responsibility and initiated appropriate corrective actions.

The NRC was notified pursuant to the requirements of 10CFR26, Appendix A, subpart B, Section 2.8(e)(4) in letter PE&RAS-04-063, dated June 1, 2004.

EFFECTIVENESS EVALUATION

Fitness For Duty Program Performance Data

Random testing is required to be 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 rates were approximately 27.7% for Carolina Power and Light Company, now doing business as Progress Energy Carolinas, Inc., (PEC) and 28.8% for Florida Power Corporation, now doing business as Progress Energy Florida, Inc., (PEF). For PEC (i.e., the Brunswick, Harris, and Robinson plants), there were 869 random tests conducted with an average of 3138 workers eligible for testing. For PEF (i.e., the Crystal River 3 plant), there were 214 random tests conducted with an average of 744 workers eligible for testing.

For this reporting period, the total rate of positive test results for PEC was approximately 0.8%. Out of 2371 tests, there were 19 positive results, comprising 11 pre-access, 2 random, 3 for-cause, and 3 other. For this reporting period, the total rate of positive test results for PEF was approximately 0.3%. Out of 308 tests, there was 1 positive result comprising 0 pre-access, 1 random, 0 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 PEC employees was approximately 0.1%, with 1 positive result out of 684 tests. For this reporting period, the positive test rate for PEF employees was approximately 0.4% with 1 positive result out of 230 tests.

For this reporting period, the positive test rate for PEC contractors was approximately 1.1% with 18 positive results out of 1687 tests. For PEF, the positive test rate was 0.0% with 0 positive tests out of 78 tests.

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**

<u>Progress Energy Carolinas, Inc.</u>	<u>June 30, 2004</u>
Company	6 Months Ending
<u>Brunswick Steam Electric Plant</u>	
Location	
<u>Cindy Cunningham</u>	<u>919-546-5360</u>
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	895		N/A		572	
CATEGORIES	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	36	0	N/A	N/A	1123	7
<u>For Cause:</u>						
Post accident	5	0	N/A	N/A	4	0
Observed behavior	0	0	N/A	N/A	8	1
Random	260	0	N/A	N/A	149	1
Follow-Up	0	0	N/A	N/A	5	0
Other	0	0	N/A	N/A	2	2
Total	301	0	N/A	N/A	1291	11

Breakdown of Confirmed Positive Tests for Specific Substances

BRUNSWICK

	Marijuana (NRC/PEC CUTOFF)	Cocaine	Opiates	Amphet- amines	Phency- clidine	Alcohol	Refusal to Test	Adulteration	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	N/A					
Short-Term Contracts	0/2	6	0	0	0	3	1	0					A
Total	0/2	6	0	0	0	3	1	0					*10/2

* One individual tested positive for both alcohol and cocaine.

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

<u>Progress Energy Carolinas, Inc.</u>	<u>June 30, 2004</u>
Company	6 Months Ending
<u>Shearon Harris Nuclear Power Plant</u>	
Location	
<u>Cindy Cunningham</u>	<u>919-546-5360</u>
Contact Name	Phone (include area code)
Cutoffs: Screen/Confirmation (ng/ml) <input type="checkbox"/> 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	626		N/A		235	
CATEGORIES	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	48	0	N/A	N/A	79	2
<u>For Cause:</u>						
Post accident	0	0	N/A	N/A	1	0
Observed behavior	2	1	N/A	N/A	1	1
Random	164	0	N/A	N/A	61	0
Follow-Up	3	0	N/A	N/A	0	0
Other	0	0	N/A	N/A	0	0
Total	217	1	N/A	N/A	142	3

Breakdown of Confirmed Positive Tests for Specific Substances

HARRIS

	Marijuana (NRC/PEC CUTOFF)	Cocaine	Opiates	Amphet- amines	Phency- clidine	Alcohol	Refusal to Test	Adulteration	2	3	4	5	
Licensee Employees	0	0	0	0	0	1	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	1	1	0					A
TotTotal	1/0	0	0	0	0	2	1	0					4/0

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

<u>Progress Energy Carolinas, Inc.</u>	<u>June 30, 2004</u>
Company	6 Months Ending
<u>H. B. Robinson Steam Electric Plant</u>	
Location	
<u>Cindy Cunningham</u>	<u>919-546-5360</u>
Contact Name	Phone (include area code)
Cutoffs: Screen/Confirmation (ng/ml) <input type="checkbox"/> 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	517		N/A		293	
CATEGORIES	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	21	0	N/A	N/A	157	2
<u>For Cause:</u>						
Post accident	0	0	N/A	N/A	3	0
Observed behavior	1	0	N/A	N/A	2	0
Random	144	0	N/A	N/A	91	1
Follow-Up	0	0	N/A	N/A	0	0
Other	0	0	N/A	N/A	1	1
Total	166	0	N/A	N/A	254	4

Breakdown of Confirmed Positive Tests for Specific Substances

ROBINSON

	Marijuana (NRC/PEC CUTOFF)	Cocaine	Opiates	Amphet- amines	Phency- clidine	Alcohol	Refusal to Test	Adulteration	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	N/A				
Short-Term Contracts	0/2	1	0	0	0	1	0	0				
Total	0/2	1	0	0	0	1	0	0				2/2

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

<u>Progress Energy Florida, Inc.</u>	<u>June 30, 2004</u>
Company	6 Months Ending
<u>Crystal River Nuclear Plant</u>	
Location	
<u>Cindy Cunningham</u>	<u>919-546-5360</u>
Contact Name	Phone (include area code)
Cutoffs: Screen/Confirmation (ng/ml) <input type="checkbox"/> 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					
	569		N/A		175	
CATEGORIES	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	57	0	N/A	N/A	31	0
<u>For Cause:</u>						
Post accident	1	0	N/A	N/A	0	0
Observed behavior	0	0	N/A	N/A	1	0
Random	168	1	N/A	N/A	46	0
Follow-Up	4	0	N/A	N/A	0	0
Other	0	0	N/A	N/A	0	0
Total	230	1	N/A	N/A	78	0

Breakdown of Confirmed Positive Tests for Specific Substances

CRYSTAL RIVER

	Marijuana (NRC/PEF CUTOFF)	Cocaine	Opiates	Amphet- amines	Phency- clidine	Alcohol	Refusal to Test	Adulteration	2	3	4	5	
Licensee Employees	0/0	1	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	0/0	0	0	0	0	0	0	0					A
Total	0/0	1	0	0	0	0	0	0					1/0