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Serial: PE&RAS-06-055
August 29, 2006

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, 2006 through June 30, 2006.

This document contains no new regulatory commitment.

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

Sincerely,

Chris Burton
Manager - Performance
Evaluation & 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
C. P. Patel, NRR Project Manager
J. A. Sanford – North Carolina Utilities Commission
R. Vance – North Carolina Utilities Commission
S. Watson – North Carolina Utilities Commission
B. Hall – North Carolina Department of Environmental and Natural Resources

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Fitness For Duty Program

(January 1, 2006 – June 30, 2006)

PERFORMANCE DATA

SUMMARY DATA AND ANALYSIS

Description			Carolina Power & Light Company (Progress Energy Carolinas, Inc.)			Florida Power Corporation (Progress Energy Florida, Inc.)	
6-Month Reporting Period: January – June / 2006	Random Testing Results	Data Analysis		Brunswick	Harris	Robinson	Crystal River
		By Site *	Number of Random Tests Conducted	375	345	167	233
			Average Population Eligible for Testing	1343	1097	684	782
			Random Testing Rate	28%	31%	24%	30%
		By Licensee	Number of Random Tests Conducted	887			233
			Average Population Eligible for Testing	3124			782
			Random Testing Rate	28%			30%

* Data for corporate and other support staff are included with site data, as appropriate.

Analysis of the data indicates no program weakness requiring management action.

SUMMARY OF MANAGEMENT ACTIONS

Unescorted access for the individuals with confirmed positive tests was denied or revoked as applicable. The unescorted access for one contractor supervisor was reinstated based on appeal.

EVENTS REPORTED BY TELEPHONE UNDER 10 CFR 26.73

During this reporting period, no licensed operator tested positive. One contractor supervisor tested positive during a random FFD test and was reported under 10 CFR 26.73.

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

Carolina Power & Light Company, now doing business as Progress Energy Carolinas, Inc., (PEC)		June 30, 2006
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	792		N/A		551	
CATEGORIES	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	66	0	N/A	N/A	988	10
<u>For Cause:</u>						
Post accident	4	0	N/A	N/A	7	0
Observed behavior	2	0	N/A	N/A	2	0
Random	232	1	N/A	N/A	143	0
Follow-Up	4	0	N/A	N/A	10	0
Other	0	0	N/A	N/A	1	0
Refusal to Participate	0	0	N/A	N/A	0	1
Total	308	1	N/A	N/A	1151	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	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	0/5	4	0	1	0	0	1	0					A
Total	0/5	4	0	1	0	1	1	0					7/5

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

Carolina Power & Light Company, now doing business as Progress Energy Carolinas, Inc., (PEC)		June 30, 2006
<small>Company</small>		<small>6 Months Ending</small>
Shearon Harris Nuclear Power Plant		
<small>Location</small>		
Cindy Cunningham		919-546-5360
<small>Contact Name</small>		<small>Phone (include area code)</small>

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	607		N/A		490	
CATEGORIES	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	75	0	N/A	N/A	646	5
<u>For Cause:</u>						
Post accident	0	0	N/A	N/A	5	0
Observed behavior	0	0	N/A	N/A	5	1
Random	229	0	N/A	N/A	116	0
Follow-Up	4	0	N/A	N/A	10	0
Other	0	0	N/A	N/A	1	0
Refusal to Participate	0	0	N/A	N/A	0	0
Total	308	0	N/A	N/A	783	6

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	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	2/0	2	0	1	0	1	0	0					A
Total	2/0	2	0	1	0	1	0	0					6/0

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

Carolina Power & Light Company, now doing business as Progress Energy Carolinas, Inc., (PEC) <hr/> <div style="text-align: center;">Company</div> H. B. Robinson Steam Electric Plant <hr/> <div style="text-align: center;">Location</div> Cindy Cunningham <hr/> <div style="text-align: center;">Contact Name</div>	June 30, 2006 <hr/> 6 Months Ending 919-546-5360 <hr/> Phone (include area code)
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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	479		N/A		205	
CATEGORIES	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	18	0	N/A	N/A	98	2
<u>For Cause:</u>						
Post accident	0	0	N/A	N/A	1	0
Observed behavior	2	0	N/A	N/A	4	0
Random	128	0	N/A	N/A	39	0
Follow-Up	0	0	N/A	N/A	0	0
Other	0	0	N/A	N/A	0	0
Refusal to Participate	0	0	N/A	N/A	0	0
Total	148	0	N/A	N/A	142	2

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

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

Florida Power Corporation, now doing business as Progress Energy Florida, Inc., (PEF)		June 30, 2006
_____ Company		_____ 6 Months Ending
Crystal River Nuclear 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	537		N/A		245	
CATEGORIES	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	79	0	N/A	N/A	76	0
<u>For Cause:</u>						
Post accident	3	0	N/A	N/A	3	0
Observed behavior	1	0	N/A	N/A	1	1
Random	174	0	N/A	N/A	59	1
Follow-Up	0	0	N/A	N/A	0	0
Other	0	0	N/A	N/A	0	0
Refusal to Participate	0	0	N/A	N/A	0	0
Total	257	0	N/A	N/A	139	2

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	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	0/1	1	1	0	0	0	0	0					A
Total	0/1	1	1	0	0	0	0	0					2/1

***One individual tested positive for two drugs (THC and cocaine)