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Serial: PE&RAS-07-004
February 23, 2007

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:

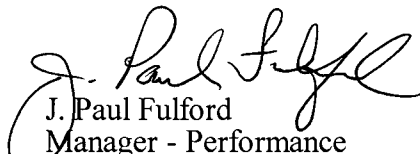
Pursuant to 10 CFR 26.71(d), enclosed is the semiannual Fitness For Duty (FFD) Program performance data for the above listed plants belonging to Carolina Power & Light Company, now doing business as Progress Energy Carolinas, Inc. (PEC), and Florida Power Corporation, now doing business as Progress Energy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

The enclosed report provides FFD Program performance data for personnel subject to the requirements of 10 CFR 26, for the period July 1, 2006 through December 31, 2006.

This document contains no new regulatory commitment.

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

Sincerely,


J. Paul Fulford
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
S. N. Bailey, 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. Y. Kerr – 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

A021

Fitness For Duty Program

(July 1, 2006 – December 31, 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: July – December / 2006	Random Testing Results	Data Analysis		Brunswick	Harris	Robinson	Crystal River		
		By Site *	Number of Random Tests Conducted	292	288	186	248		
			Average Population Eligible for Testing	1186	902	714	824		
			Random Testing Rate	25%	32%	26%	30%		
		By Licensee	Number of Random Tests Conducted	766			248		
			Average Population Eligible for Testing	2802			824		
			Random Testing Rate	27%			30%		
		2006 Annual Summary	Random Testing Results	By Licensee	Number of Random Tests Conducted	1653			481
					Average Population Eligible for Testing	2963			803
Random Testing Rate	56%				60%				

* 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.

EVENTS REPORTED BY TELEPHONE UNDER 10 CFR 26.73

During this reporting period, no licensed operator or supervisor tested positive, and no significant FFD event report was made.

**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)	December 31, 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	823		N/A		363	
CATEGORIES	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	33	0	N/A	N/A	127	0
<u>For Cause:</u>						
Post accident	3	0	N/A	N/A	0	0
Observed behavior	1	0	N/A	N/A	1	0
Random	210	2	N/A	N/A	82	0
Follow-Up	10	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	2	N/A	N/A	210	0

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	2	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	2	0	0	0	0	0	0					2/0

**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)	December 31, 2006
_____ 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	
Average Number with Unescorted Access	634		N/A		268	
CATEGORIES	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	33	0	N/A	N/A	84	1
<u>For Cause:</u>						
Post accident	1	0	N/A	N/A	5	0
Observed behavior	0	0	N/A	N/A	2	0
Random	208	0	N/A	N/A	80	1
Follow-Up	2	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	244	0	N/A	N/A	171	2

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

**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)	December 31, 2006
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	505		N/A		209	
CATEGORIES	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	16	0	N/A	N/A	98	0
For Cause:						
Post accident	0	0	N/A	N/A	3	0
Observed behavior	1	0	N/A	N/A	1	0
Random	126	0	N/A	N/A	60	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	143	0	N/A	N/A	162	0

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	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	0	0	0	0	0	0	0					0/0

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

Florida Power Corporation, now doing business as Progress Energy Florida, Inc., (PEF)	December 31, 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	576		N/A		248	
CATEGORIES	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	54	1	N/A	N/A	97	0
<u>For Cause:</u>						
Post accident	2	0	N/A	N/A	1	0
Observed behavior	1	0	N/A	N/A	0	0
Random	175	0	N/A	N/A	73	0
Follow-Up	1	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	233	1	N/A	N/A	171	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	1/0	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	0/0	0	0	0	0	0	0	0					A
Total	1/0	0	0	0	0	0	0	0					1/0