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Serial: PE&RAS-08-003  
February 27, 2008

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:

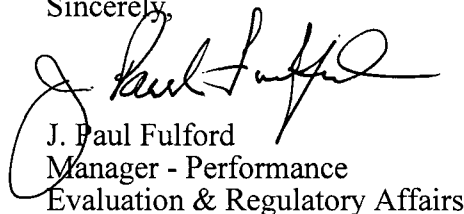
Pursuant to 10 CFR 26.71(d), enclosed is the semiannual Fitness For Duty (FFD) Program performance data for the above listed plants belonging to Carolina Power & Light Company, now doing business as Progress Energy Carolinas, Inc. (PEC), and Florida Power Corporation, now doing business as Progress Energy 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, 2007 through December 31, 2007.

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

DBM  
Enclosure

c: V. M. McCree, 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  
M. G. Vaaler, NRR Project Manager – SHNPP, Unit No. 1; HBRSEP, Unit No. 2  
E. S. Finley, Jr. – North Carolina Utilities Commission  
R. Vance – North Carolina Utilities Commission  
S. Watson – North Carolina Utilities Commission  
B. O. Hall – North Carolina Department of Environmental and Natural Resources

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NRR

# **Fitness For Duty Program**

**(July 1, 2007 – December 31, 2007)**

## **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 / 2007	Data Analysis	Brunswick	Harris	Robinson	Crystal River		
		Number of Random Tests Conducted	296	378	165	318	
		Average Population Eligible for Testing	1295	1147	703	1255	
	By Site *	Random Testing Rate	23%	33%	23%	25%	
		By Licensee	Number of Random Tests Conducted	839		318	
			Average Population Eligible for Testing	3145		1255	
	Random Testing Rate		27%		25%		
	2007 Annual Summary	Random Testing Results	By Licensee	Number of Random Tests Conducted	1784		527
				Average Population Eligible for Testing	3198		1061
Random Testing Rate				56%		50%	

\* 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**

<u>Carolina Power &amp; Light Company, now doing business as Progress Energy Carolinas, Inc., (PEC)</u>	<u>December 31, 2007</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	
	Average Number with Unescorted Access					
	852		N/A		443	
CATEGORIES	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	30	0	N/A	N/A	204	2
<u>For Cause:</u>						
Post accident	2	0	N/A	N/A	1	0
Observed behavior	0	0	N/A	N/A	3	0
Random	187	0	N/A	N/A	109	0
Follow-Up	4	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
<b>Total</b>	<b>223</b>	<b>0</b>	<b>N/A</b>	<b>N/A</b>	<b>317</b>	<b>2</b>

### 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	0	0	0	0	0	0	0	0				
Short-Term Contracts	0/1	1	0	0	0	0	0	0				
<b>Total</b>	0/1	1	0	0	0	0	0	0				

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**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, 2007
_____ 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) <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	663		N/A		484	
<b>CATEGORIES</b>	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	39	0	N/A	N/A	805	7
<u>For Cause:</u>						
Post accident	1	0	N/A	N/A	2	0
Observed behavior	0	0	N/A	N/A	3	0
Random	246	0	N/A	N/A	132	1
Follow-Up	0	0	N/A	N/A	7	0
Other	0	0	N/A	N/A	2	0
Refusal to Participate	0	0	N/A	N/A	0	0
<b>Total</b>	<b>286</b>	<b>0</b>	<b>N/A</b>	<b>N/A</b>	<b>951</b>	<b>8</b>

### 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	0	0	0	0	0	0	0	0					
Short-Term Contracts	1/5	2	0	0	0	0	0	0					A
<b>Total</b>	1/5	2	0	0	0	0	0	0					3/5

**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)	December 31, 2007
_____ <small>Company</small>	_____ <small>6 Months Ending</small>
H. B. Robinson Steam Electric 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	
	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Average Number with Unescorted Access	500		N/A		203	
<b>CATEGORIES</b>	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	15	0	N/A	N/A	57	1
<u>For Cause:</u>						
Post accident	0	0	N/A	N/A	2	0
Observed behavior	0	0	N/A	N/A	0	0
Random	114	0	N/A	N/A	51	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
<b>Total</b>	<b>129</b>	<b>0</b>	<b>N/A</b>	<b>N/A</b>	<b>110</b>	<b>1</b>



### 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	0	0	0	0	0	0	0	0					
Short-Term Contracts	0	1	0	0	0	0	0	0					A
<b>Total</b>	0	1	0	0	0	0	0	0					1/0

**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, 2007
<small>Company</small>	<small>6 Months Ending</small>
Crystal River Nuclear Plant	
<small>Location</small>	
Cindy Cunningham	919-546-5360
<small>Contact Name</small>	<small>Phone (include area code)</small>
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	706		N/A		549	
<b>CATEGORIES</b>	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	328	1	N/A	N/A	765	4
<u>For Cause:</u>						
Post accident	1	0	N/A	N/A	3	0
Observed behavior	0	0	N/A	N/A	6	1
Random	190	0	N/A	N/A	128	0
Follow-Up	5	0	N/A	N/A	14	0
Other	0	0	N/A	N/A	0	0
Refusal to Participate	0	0	N/A	N/A	0	0
<b>Total</b>	<b>524</b>	<b>1</b>	<b>N/A</b>	<b>N/A</b>	<b>916</b>	<b>5</b>

### 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	0/1	0	0	0	0	0	0	0					
Long-Term Contracts	0	0	0	0	0	0	0	0					
Short-Term Contracts	0/3	0	0	0	0	2	0	0					A
<b>Total</b>	<b>0/4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>					<b>2/4</b>