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Serial: PE&RAS-08-053  
August 26, 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 January 1, 2008 through June 30, 2008.

As allowed in the March 31, 2008, Federal Register Notice that issued the final 10 CFR 26 rule, Progress Energy is deferring the implementation of portions of the revised rule. Therefore, this report is being made in accordance with 10 CFR 26 that was in place prior to April 30, 2008, the effective date of the revised rule.

This document contains no new regulatory commitments.

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

Sincerely,

Brian McCabe  
Manager – Nuclear Regulatory Affairs

DBM

Enclosure

\* 10 CFR 26 as it existed prior to March 31, 2008.

A021  
NRR

- c: L. Reyes, Regional Administrator – Region II
- F. Saba, NRR Project Manager – BSEP, Unit Nos. 1 and 2; CR3
- M. Vaaler, NRR Project Manager – SHNPP, Unit No. 1; HBRSEP, Unit No. 2
- 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
- E. S. Finley – 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

# **Fitness For Duty Program**

**(January 1, 2008 – June 30, 2008)**

## **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 / 2008	Data Analysis	Brunswick	Harris	Robinson	Crystal River		
		By Site *	Number of Random Tests Conducted	409	255	210	324
		Average Population Eligible for Testing	1580	984	767	1029	
	Random Testing Rate	26%	26%	27%	31%		
	By Licensee	Number of Random Tests Conducted	874			324	
		Average Population Eligible for Testing	3331			1029	
		Random Testing Rate	26%			31%	

\* 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

A non-licensed contract employee supervisor had a confirmed positive for illegal drugs during a random fitness-for-duty test. The employee's access to the plant has been terminated.  
 Event number 44297, June 13, 2008

**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 style="border: 0.5px solid black;"/> <p align="center">Company</p>	June 30, 2008 <hr style="border: 0.5px solid black;"/> <p align="center">6 Months Ending</p>
Brunswick Steam Electric Plant <hr style="border: 0.5px solid black;"/> <p align="center">Location</p>	
Cindy Cunningham <hr style="border: 0.5px solid black;"/> <p align="center">Contact Name</p>	919-546-5360 <hr style="border: 0.5px solid black;"/> <p align="center">Phone (include area code)</p>
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%/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	868		N/A		712	
<b>CATEGORIES</b>	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	88	0	N/A	N/A	1058	11
<u>For Cause:</u>						
Post accident	0	0	N/A	N/A	1	0
Observed behavior	0	0	N/A	N/A	2	0
Random	234	0	N/A	N/A	175	3
Follow-Up	1	0	N/A	N/A	9	0
Other	0	0	N/A	N/A	2	2
Refusal to Participate	0	0	N/A	N/A	0	2**
<b>Total</b>	<b>323</b>	<b>0</b>	<b>N/A</b>	<b>N/A</b>	<b>1247</b>	<b>18</b>

\* Contractor refused to participate when subject to random testing.  
 † Contractor refused to participate when subject to pre-access testing.

## 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	1/8	6	0	0	0	1	2	0					A
<b>Total</b>	1/8	6	0	0	0	1	2	0					<b>10/8</b>

**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 style="width:100%;"/> <p align="center">Company</p>	June 30, 2008 <hr style="width:100%;"/> <p align="center">6 Months Ending</p>
Shearon Harris Nuclear Power Plant <hr style="width:100%;"/> <p align="center">Location</p>	
Cindy Cunningham <hr style="width:100%;"/> <p align="center">Contact Name</p>	919-546-5360 <hr style="width:100%;"/> <p align="center">Phone (include area code)</p>
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%/0.04%      _____/	

Testing Results	Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access	669		N/A		315	
<b>CATEGORIES</b>	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	69	0	N/A	N/A	100	0
<u>For Cause:</u>						
Post accident	0	0	N/A	N/A	3	0
Observed behavior	0	0	N/A	N/A	4	0
Random	175	1	N/A	N/A	80	0
Follow-Up	0	0	N/A	N/A	0	0
Other	0	0	N/A	N/A	1	0
Refusal to Participate	0	0	N/A	N/A	0	0
<b>Total</b>	<b>244</b>	<b>1</b>	<b>N/A</b>	<b>N/A</b>	<b>188</b>	<b>0</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	0/1	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	0	0	0	0	0	0	0					A
<b>Total</b>	<b>0/1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>					<b>0/1</b>



**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 style="border: 0.5px solid black;"/> <p align="center">Company</p>	June 30, 2008 <hr style="border: 0.5px solid black;"/> <p align="center">6 Months Ending</p>
H. B. Robinson Steam Electric Plant <hr style="border: 0.5px solid black;"/> <p align="center">Location</p>	
Cindy Cunningham <hr style="border: 0.5px solid black;"/> <p align="center">Contact Name</p>	919-546-5360 <hr style="border: 0.5px solid black;"/> <p align="center">Phone (include area code)</p>
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%/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	515		N/A		252	
<b>CATEGORIES</b>	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	48	0	N/A	N/A	154	1
<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	139	0	N/A	N/A	71	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
<b>Total</b>	<b>187</b>	<b>0</b>	<b>N/A</b>	<b>N/A</b>	<b>225</b>	<b>2</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	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
<b>Total</b>	<b>0/1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>					<b>1/1</b>

**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, 2008
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) <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%/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	668		N/A		361	
<b>CATEGORIES</b>	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	100	0	N/A	N/A	153	0
<u>For Cause:</u>						
Post accident	0	0	N/A	N/A	1	0
Observed behavior	2	1	N/A	N/A	1	0
Random	231	0	N/A	N/A	93	0
Follow-Up	11	0	N/A	N/A	2	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>344</b>	<b>1</b>	<b>N/A</b>	<b>N/A</b>	<b>250</b>	<b>0</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	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	0	0	0	0	0	0	0					A
<b>Total</b>	0	0	0	0	0	1	0	0					<b>1/0</b>