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Serial: PE&RAS-04-007  
February 25, 2004

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

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, 2003 through December 31, 2003.

This document contains no new regulatory commitment.

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

Sincerely,

James W. Holt  
Manager - Performance  
Evaluation & Regulatory Affairs

HAS  
Enclosure

c: L. A. Reyes, 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**

**(July 1, 2003 – December 31, 2003)**

## **PERFORMANCE DATA**

## **SUMMARY OF MANAGEMENT ACTIONS**

### **Lessons Learned and Actions Taken**

**SUBJECT: Discrepancy in Blind Sample Test Results**

In October, Licensee submitted a blind sample specimen to the secondary laboratory for testing. The specimen was tested positive for THC. The primary laboratory had already reported results consistent with expected results. The secondary lab reported results which conflicted with the primary lab results. The investigation determined that the primary lab had reported the correct results. The secondary lab had switched specimen bottles which had been submitted for split sample testing, and as a result, a positive specimen was reported as "Fail to Reconfirm." Additionally, the certifying scientist failed to follow laboratory procedure for specimens which fail to reconfirm. The secondary lab accepted responsibility and initiated appropriate corrective actions.

The NRC was notified in accordance with the requirements of 10CFR26, Appendix A, subpart B, Section 2.8(e)(4).

## **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 28.3% for Carolina Power and Light Company, now doing business as Progress Energy Carolinas, Inc., (PEC) and 29.8% 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 783 random tests conducted with an average of 2769 workers eligible for testing. For PEF (i.e., the Crystal River 3 plant), there were 295 random tests conducted with an average of 990 workers eligible for testing. The annual testing rate for PEC was approximately 56.3% with 1627 random tests conducted with an average of 2888 workers eligible for testing. The annual testing rate for PEF was approximately 57.0% with 516 random test conducted with an average of 905 workers eligible for testing.

For this reporting period, the total rate of positive test results for PEC was approximately 0.6%. Out of 1086 tests, there were 6 positive results, comprising 5 pre-access, 1 random, 0 for-cause, and 0 other. For this reporting period, the total rate of positive test results for PEF was approximately 1.5%. Out of 1237 tests, there were 19 positive results comprising 19 pre-access, 0 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 0.2%, with 1 positive result out of 643 tests. For this reporting period, the positive test rate for PEF employees was approximately 0.9% with 4 positive results out of 424 tests.

For this reporting period, the positive test rate for PEC contractors was approximately 1.1% with 5 positive results out of 443 tests. For PEF, the positive test rate was approximately 1.9% with 15 positive tests out of 813 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 Carolina, Inc.</u> <div style="text-align: center; font-size: small;">Company</div>	<b>July 1, 2003 to December 31, 2003</b> <div style="text-align: center; font-size: small;">6 Months Ending</div>
<u>Brunswick Steam Electric Plant</u> <div style="text-align: center; font-size: small;">Location</div>	
<u>Cindy Cunningham</u> <div style="text-align: center; font-size: small;">Contact Name</div>	<u>919-546-5360</u> <div style="text-align: center; font-size: small;">Phone (include area code)</div>

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	905		N/A		342	
CATEGORIES	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	18	0	N/A	N/A	120	3
<u>For Cause:</u>						
Post accident	1	0	N/A	N/A	0	0
Observed behavior	2	0	N/A	N/A	2	0
Random	266	0	N/A	N/A	87	0
Follow-Up	2	0	N/A	N/A	0	0
Other	0	0	N/A	N/A	0	0
<b>Total</b>	<b>289</b>	<b>0</b>	<b>N/A</b>	<b>N/A</b>	<b>209</b>	<b>3</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	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					
Short-Term Contracts	2/0	1	0	0	0	0	0	0					A
Total	2/0	1	0	0	0	0	0	0					3/0

Progress Energy Carolina, Inc.		July 1, 2003 to December 31, 2003	
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	
Average Number with Unescorted Access	633		N/A		223	
CATEGORIES	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	19	0	N/A	N/A	59	2
<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	206	1	N/A	N/A	68	0
Follow-Up	0	0	N/A	N/A	0	0
Other	0	0	N/A	N/A	0	0
Total	225	1	N/A	N/A	127	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	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	1/1	0	0	0	0	0	0	0					A
TotTotal	1/1	0	0	0	0	1	0	0					2/1

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

<u>Progress Energy Carolina, Inc.</u> <div style="text-align: center; font-size: small;">Company</div>	<u>July 1, 2003 to December 31, 2003</u> <div style="text-align: center; font-size: small;">6 Months Ending</div>
<u>H. B. Robinson Steam Electric Plant</u> <div style="text-align: center; font-size: small;">Location</div>	
<u>Cindy Cunningham</u> <div style="text-align: center; font-size: small;">Contact Name</div>	<u>919-546-5360</u> <div style="text-align: center; font-size: small;">Phone (include area code)</div>

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	511		N/A		155	
CATEGORIES	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	16	0	N/A	N/A	61	0
<u>For Cause:</u>						
Post accident	0	0	N/A	N/A	2	0
Observed behavior	1	0	N/A	N/A	0	0
Random	112	0	N/A	N/A	44	0
Follow-Up	0	0	N/A	N/A	0	0
Other	0	0	N/A	N/A	0	0
Total	129	0	N/A	N/A	107	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				
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				
Total	0	0	0	0	0	0	0	0				0

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

<u>Progress Energy Florida, Inc.</u> <div style="text-align: center; font-size: small;">Company</div>	<u>July 1, 2003 to December 31, 2003</u> <div style="text-align: center; font-size: small;">6 Months Ending</div>
<u>Crystal River Nuclear Plant</u> <div style="text-align: center; font-size: small;">Location</div>	
<u>Cindy Cunningham</u> <div style="text-align: center; font-size: small;">Contact Name</div>	<u>919-546-5360</u> <div style="text-align: center; font-size: small;">Phone (include area code)</div>

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	643		N/A		347	
CATEGORIES	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access	217	4	N/A	N/A	711	15
<u>For Cause:</u>						
Post accident	3	0	N/A	N/A	3	0
Observed behavior	2	0	N/A	N/A	0	0
Random	197	0	N/A	N/A	98	0
Follow-Up	2	0	N/A	N/A	0	0
Other	3	0	N/A	N/A	1	0
Total	424	4	N/A	N/A	813	15

## 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	0/2	1	0	0	0	0	1	0					
Long-Term Contracts	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					
Short-Term Contracts	1/12	1	0	0	0	1	0	0					A
Total	1/14	2	0	0	0	1	1	0					5/14