



Progress Energy

PO Box 1551
411 Fayetteville Street Mall
Raleigh NC 27602

10 CFR 26.71(d)

Serial: PE&RAS-06-010
February 24, 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 July 1, 2005 through December 31, 2005.

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 – 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
G. Thigpen – 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, 2005 -- December 31, 2005)

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 / 2005 | Random Testing Results | Data Analysis | | Brunswick | Harris | Robinson | Crystal River | | |
| | | By Site * | Number of Random Tests Conducted | 272 | 255 | 257 | 286 | | |
| | | | Average Population Eligible for Testing | 1168 | 906 | 864 | 1023 | | |
| | | | Random Testing Rate | 23.3% | 28.1% | 29.7% | 28.0% | | |
| | | By Licensee | Number of Random Tests Conducted | 784 | | | 286 | | |
| | | | Average Population Eligible for Testing | 2938 | | | 1023 | | |
| | | | Random Testing Rate | 26.7% | | | 28.0% | | |
| | | 2005 Annual Summary | Random Testing Results | By Licensee | Number of Random Tests Conducted | 1680 | | | 484 |
| | | | | | Average Population Eligible for Testing | 3035 | | | 908 |
| Random Testing Rate | 55.4% | | | | 53.3% | | | | |

* 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, 2005 |
| <small>Company</small> | | <small>6 Months Ending</small> |
| Brunswick 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 | |
|---------------------------------------|--------------------|------------|--------------------------------|------------|---------------------------------|------------|
| Average Number with Unescorted Access | 833 | | N/A | | 335 | |
| CATEGORIES | # Tested | # Positive | # Tested | # Positive | # Tested | # Positive |
| Pre-Access | 41 | 0 | N/A | N/A | 118 | 0 |
| <u>For Cause:</u> | | | | | | |
| Post accident | 0 | 0 | N/A | N/A | 0 | 0 |
| Observed behavior | 3 | 0 | N/A | N/A | 2 | 0 |
| Random | 215 | 1 | N/A | N/A | 57 | 0 |
| Follow-Up | 3 | 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 | 262 | 1 | N/A | N/A | 177 | 0 |

Breakdown of Confirmed Positive Tests for Specific Substances

BRUNSWICK

| | Marijuana (NRC/PEC CUTOFF) | Cocaine | Opiates | Amphetamines | Phencyclidine | 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 |
| Total | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | | | | | 1/0 |

**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, 2005 |
| <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 | 633 | | N/A | | 273 | |
| CATEGORIES | # Tested | # Positive | # Tested | # Positive | # Tested | # Positive |
| Pre-Access | 55 | 0 | N/A | N/A | 106 | 0 |
| <u>For Cause:</u> | | | | | | |
| Post accident | 0 | 0 | N/A | N/A | 2 | 0 |
| Observed behavior | 0 | 0 | N/A | N/A | 1 | 0 |
| Random | 188 | 0 | N/A | N/A | 67 | 0 |
| Follow-Up | 4 | 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 |
| Total | 247 | 0 | N/A | N/A | 177 | 0 |

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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | A |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | 0/0 |

**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, 2005 |
| 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 | 502 | | N/A | | 362 | |
| CATEGORIES | # Tested | # Positive | # Tested | # Positive | # Tested | # Positive |
| Pre-Access | 47 | 0 | N/A | N/A | 528 | 5 |
| <u>For Cause:</u> | | | | | | |
| Post accident | 0 | 0 | N/A | N/A | 3 | 0 |
| Observed behavior | 0 | 0 | N/A | N/A | 3 | 0 |
| Random | 142 | 0 | N/A | N/A | 115 | 3 |
| Follow-Up | 0 | 0 | N/A | N/A | 2 | 0 |
| Other | 1 | 0 | N/A | N/A | 1 | 1 |
| Refusal to Participate | 0 | 0 | N/A | N/A | 0 | 0 |
| Total | 190 | 0 | N/A | N/A | 652 | 9 |

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 | 1/1 | 5 | 0 | 0 | 0 | 2 | 0 | 0 | | | | | A |
| Total | 1/1 | 5 | 0 | 0 | 0 | 2 | 0 | 0 | | | | | 8/1 |

1 One individual tested positive for both drug and alcohol

**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, 2005 |
| 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 | 664 | | N/A | | 359 | |
| CATEGORIES | # Tested | # Positive | # Tested | # Positive | # Tested | # Positive |
| Pre-Access | 303 | 4 | N/A | N/A | 429 | 3 |
| <u>For Cause:</u> | | | | | | |
| Post accident | 1 | 0 | N/A | N/A | 1 | 0 |
| Observed behavior | 2 | 1 | N/A | N/A | 3 | 0 |
| Random | 209 | 0 | N/A | N/A | 77 | 0 |
| Follow-Up | 0 | 0 | N/A | N/A | 7 | 0 |
| Other | 1 | 0 | N/A | N/A | 0 | 0 |
| Refusal to Participate | 0 | 1 | N/A | N/A | 0 | 1 |
| Total | 516 | 6 | N/A | N/A | 517 | 4 |

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 | 2 | 0 | 1 | 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 | 1/1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | | | | | A |
| Total | 1/3 | 3 | 0 | 1 | 0 | 0 | 2 | 0 | | | | | 7/3 |