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Serial: RA-10-003
February 25, 2010

United States Nuclear Regulatory Commission
ATTENTION: NRC 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

ANNUAL 10 CFR 26 FITNESS FOR DUTY PROGRAM PERFORMANCE DATA

Ladies and Gentlemen:

Pursuant to 10 CFR 26.717(e), enclosed is the 2009 Annual 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, 2009 through December 31, 2009.

This document contains no new regulatory commitment.

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

Sincerely,

Brian McCabe
Manager - Nuclear Regulatory Affairs

DBA

Enclosure

A021
NRR

- c: L. 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
F. Saba, NRR Project Manager – BSEP, Unit Nos. 1 and 2; CR3
M. G. Vaaler, NRR Project Manager – SHNPP, Unit No. 1
T. Orf, NRR Project Manager HBRSEP, Unit No. 2

Fitness For Duty Program

(January 1, 2009 – December 31, 2009)

PERFORMANCE DATA

SUMMARY DATA AND ANALYSIS

Description		Carolina Power & Light Company (Progress Energy Carolinas, Inc.)			Florida Power Corporation (Progress Energy Florida, Inc.)	
12-Month Reporting Period: Jan. 1, 2009 – Dec. 31, 2009 Random Testing Results	Data Analysis	Brunswick	Harris	Robinson	Crystal River	
	By Site *	Number of Random Tests Conducted	853	661	439	1186
		Average Population Eligible for Testing	1511	1226	818	2071
		Random Testing Rate	56%	54%	54%	57%
	By Licensee	Number of Random Tests Conducted	1953			1186
		Average Population Eligible for Testing	3555			2071
		Random Testing Rate	55%			57%

* 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.

**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, 2009	
Company		12 Months Ending	
Brunswick Steam Electric Plant			
Location			
Cindy Cunningham		919-546-5360	
Contact Name		Phone (include area code)	
Cutoffs: Screen/Confirmation (ng/mL)			
Marijuana	50/15	Amphetamines	1000/500
Cocaine	300/150	Phencyclidine	25/25
Opiates	2000/2000	Alcohol (% BAC)	0.04% *
* If BAC is 0.02% or higher and donor has been at work for at least 2 hours, it is considered a confirmed positive test. If BAC is 0.03% or higher and donor has been at work for at least 1 hour, it is considered a confirmed positive test.			

Testing Results	Licensee Employees		Contractor Personnel	
Average Number with Unescorted Access	883		628	
CATEGORIES	# Tested	# Positive	# Tested	# Positive
Pre-Access	87	0	1339	13
For Cause	2	1	4	2
Post Event ⁺	9	0	4	0
Random	546	0	307	0
Follow-Up	2	0	11	0
Other	5	0	10	2
Total	651	1	1675	17

⁺ Post Event testing includes events below the regulatory threshold based on licensee procedure.

Breakdown of Confirmed Positive Tests for Specific Substances

BRUNSWICK

	Marijuana	Cocaine	Opiates	Amphet- amines	Phency- clidine	Alcohol	Subversion Attempts				
							Refusal to Test	Adulteration	Physical Evidence	Substitution	
Licensee Employees	0	0	0	0	0	1	0	0	0	0	
Contractor Personnel	11	3	0	0	0	2	1	0	0	0	
Total	11	3	0	0	0	3	1	0	0	0	18

**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, 2009															
_____ Company	_____ 12 Months Ending															
Shearon Harris Nuclear Power Plant																
_____ Location																
Cindy Cunningham	919-546-5360															
_____ Contact Name	_____ Phone (include area code)															
Cutoffs: Screen/Confirmation (ng/mL)																
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:20%;">Marijuana</td> <td style="width:20%;">50/15</td> <td style="width:20%;"></td> <td style="width:20%;">Amphetamines</td> <td style="width:20%;">1000/500</td> </tr> <tr> <td>Cocaine</td> <td>300/150</td> <td></td> <td>Phencyclidine</td> <td>25/25</td> </tr> <tr> <td>Opiates</td> <td>2000/2000</td> <td></td> <td>Alcohol (% BAC)</td> <td>0.04%*</td> </tr> </table>	Marijuana	50/15		Amphetamines	1000/500	Cocaine	300/150		Phencyclidine	25/25	Opiates	2000/2000		Alcohol (% BAC)	0.04%*	
Marijuana	50/15		Amphetamines	1000/500												
Cocaine	300/150		Phencyclidine	25/25												
Opiates	2000/2000		Alcohol (% BAC)	0.04%*												
*If BAC is 0.02% or higher and donor has been at work for at least 2 hours, it is considered a confirmed positive test. If BAC is 0.03% or higher and donor has been at work for at least 1 hour, it is considered a confirmed positive test.																

Testing Results	Licensee Employees		Contractor Personnel	
Average Number with Unescorted Access	773		453	
CATEGORIES	# Tested	# Positive	# Tested	# Positive
Pre-Access	77	1	360	1
For Cause	0	0	3	0
Post Event ⁺	3	0	3	0
Random	439	0	222	1
Follow-Up	0	0	7	0
Other	5	0	1	0
Total	524	1	596	2

⁺ Post Event testing includes events below the regulatory threshold based on licensee procedure.

Breakdown of Confirmed Positive Tests for Specific Substances

HARRIS

	Marijuana	Cocaine	Opiates	Amphet- amines	Phency- clidine	Alcohol	Subversion Attempts				
							Refusal to Test	Adulteration	Physical Evidence	Substitution	
Licensee Employees	1	0	0	0	0	0	0	0	0	0	
Contractor Personnel	1	0	0	0	0	1	0	0	0	0	
Total	2	0	0	0	0	1	0	0	0	0	3

**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, 2009	
Company		12 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)			
Marijuana	50/15	Amphetamines	1000/500
Cocaine	300/150	Phencyclidine	25/25
Opiates	2000/2000	Alcohol (% BAC)	0.04%*
*If BAC is 0.02% or higher and donor has been at work for at least 2 hours, it is considered a confirmed positive test. If BAC is 0.03% or higher and donor has been at work for at least 1 hour, it is considered a confirmed positive test.			

Testing Results	Licensee Employees		Contractor Personnel	
Average Number with Unescorted Access	511		307	
CATEGORIES	# Tested	# Positive	# Tested	# Positive
Pre-Access	55	0	238	2
For Cause	0	0	0	0
Post Event ⁺	1	0	1	0
Random	279	0	160	1
Follow-Up	0	0	0	0
Other	3	0	1	0
Total	338	0	400	3

⁺ Post Event testing includes events below the regulatory threshold based on licensee procedure.

**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, 2009	
Company		12 Months Ending	
Crystal River Nuclear Plant			
Location			
Cindy Cunningham		919-546-5360	
Contact Name		Phone (include area code)	
Cutoffs: Screen/Confirmation (ng/mL)			
Marijuana	50/15	Amphetamines	1000/500
Cocaine	300/150	Phencyclidine	25/25
Opiates	2000/2000	Alcohol (% BAC)	0.04%*
*If BAC is 0.02% or higher and donor has been at work for at least 2 hours, it is considered a confirmed positive test. If BAC is 0.03% or higher and donor has been at work for at least 1 hour, it is considered a confirmed positive test.			

Testing Results	Licensee Employees		Contractor Personnel	
	# Tested	# Positive	# Tested	# Positive
Average Number with Unescorted Access	888		1183	
CATEGORIES	# Tested	# Positive	# Tested	# Positive
Pre-Access	399	3	2507	15
For Cause	3	2	7	4
Post Event ⁺	2	0	12	0
Random	480	0	706	2
Follow-Up	9	1	63	0
Other	4	0	1	0
Total	897	6	3296	21

⁺Post Event testing includes events below the regulatory threshold based on licensee procedure.

Breakdown of Confirmed Positive Tests for Specific Substances

CRYSTAL RIVER

	Marijuana	Cocaine	Opiates	Amphet- amines	Phency- clidine	Alcohol	Subversion Attempts				
							Refusal to Test	Adulteration	Physical Evidence	Substitution	
Licensee Employees	3	0	0	0	0	2	0	0	0	1	
Contractor Personnel	8	4	0	0	0	7	1	0	1	0	
Total	11	4	0	0	0	9	1	0	1	1	27

Fatigue Management Data – Brunswick Steam Electric Plant (BSEP)

Summary per 26.203(e)(1)(i-ii)														
Group	Number of Instances When Each Work Hour Control Was Waived													
	>16/24 hour period		>26/48 hour period		>72/7 day period		<8hr break		<10 hr break		< 34 hr break in any 9 day period		<Minimum Day Off Requirement	
	Online	Outage	Online	Outage	Online	Outage	Online	Outage	Online	Outage	Online	Outage	Online	Outage
Operations	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fire Brigade	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maintenance	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemistry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Health Physics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Security	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Distribution of Waiver Use Among Individuals Within Each Category per 26.203(e)(1)(iii)						
Number of Waivers Issued	Operations	Fire Brigade	Maintenance	Chemistry	Health Physics	Security
1	0	0	0	0	0	0
2	0	0	0	0	0	0

Summary of Corrective Actions per 26.203(e)(2):

No fatigue assessments were performed for workers at BSEP in 2009. Violations of the work hour rules were entered into the corrective action program as required by procedure for tracking and resolution. No deficiencies were noted in the annual review.

Fatigue Management Data – Shearon Harris Nuclear Power Plant (HNP)

Summary per 26.203(e)(1)(i-ii)														
Group	Number of Instances When Each Work Hour Control Was Waived													
	>16/24 hour period		>26/48 hour period		>72/7 day period		<8hr break		<10 hr break		< 34 hr break in any 9 day period		<Minimum Day Off Requirement	
	Online	Outage	Online	Outage	Online	Outage	Online	Outage	Online	Outage	Online	Outage	Online	Outage
Operations	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fire Brigade	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maintenance	1	0	2	0	0	0	0	0	1	0	0	0	0	0
Chemistry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Health Physics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Security	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	0	2	0	0	0	0	0	1	0	0	0	0	0

Distribution of Waiver Use Among Individuals Within Each Category per 26.203(e)(1)(iii)						
Number of Waivers	Operations	Fire Brigade	Maintenance	Chemistry	Health Physics	Security
1	0	0	3	0	0	0
2	0	0	0	0	0	0

Summary of Corrective Actions per 26.203(e)(2):

One non-waiver fatigue assessment was performed at HNP during 2009 based on an observation of inattentiveness. The worker was removed from duties. Violations of the work hour rules were entered into the corrective action program as required by procedure. One deficiency was identified in the annual review related to staffing plans for safety system outages and entered into the corrective action program for tracking and resolution.

Fatigue Management Data – H.B. Robinson Steam Electric Plant (RNP)

Summary per 26.203(e)(1)(i-ii)														
Group	Number of Instances When Each Work Hour Control Was Waived													
	>16/24 hour period		>26/48 hour period		>72/7 day period		<8hr break		<10 hr break		< 34 hr break in any 9 day period		<Minimum Day Off Requirement	
	Online	Outage	Online	Outage	Online	Outage	Online	Outage	Online	Outage	Online	Outage	Online	Outage
Operations	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fire Brigade	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maintenance	0	0	0	0	0	0	0	0	2	0	0	0	0	0
Chemistry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Health Physics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Security	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	2	0	0	0	0	0

Distribution of Waiver Use Among Individuals Within Each Category per 26.203(e)(1)(iii)						
Number of Waivers Issued	Operations	Fire Brigade	Maintenance	Chemistry	Health Physics	Security
1	0	0	2	0	0	0
2	0	0	0	0	0	0

Summary of Corrective Actions per 26.203(e)(2):

No non-waiver fatigue assessments were performed for workers at RNP in 2009. Violations of the work hour rules were entered into the corrective action program as required by procedure. Two deficiencies were noted during the annual review: one related to processing records for contactors not using the company software and one related to work load and scheduling practices in maintenance. These deficiencies were entered into the corrective action program for tracking and resolution.

Fatigue Management Data – Crystal River Nuclear Plant (CR3)

Summary per 26.203(e)(1)(i-ii)														
Group	Number of Instances When Each Work Hour Control Was Waived													
	>16/24 hour period		>26/48 hour period		>72/7 day period		<8hr break		<10 hr break		< 34 hr break in any 9 day period		<Minimum Day Off Requirement	
	Online	Outage	Online	Outage	Online	Outage	Online	Outage	Online	Outage	Online	Outage	Online	Outage
Operations	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fire Brigade	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maintenance	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemistry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Health Physics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Security	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Distribution of Waiver Use Among Individuals Within Each Category per 26.203(e)(1)(iii)						
Number of Waivers Issued	Operations	Fire Brigade	Maintenance	Chemistry	Health Physics	Security
1	0	0	0	0	0	0
2	0	0	0	0	0	0

Summary of Corrective Actions per 26.203(e)(2):

One non-waiver fatigue assessment was performed at CR3 during 2009 following a minor vehicle accident. The worker was found not to be fatigued. Violations of the work hour rules occurred in September and October at the beginning of the unit outage. These instances involved transmission personnel and other maintenance personnel. These instances were entered in the corrective action program per the procedure for tracking and resolution. During the annual review, corrective actions were deemed effective since no additional violations occurred during November and December.