

**Southern Nuclear
Operating Company, Inc.**
Post Office Box 1295
Birmingham, Alabama 35201-1295
Tel 205.992.5000



August 31, 2007

Docket Nos.: 50-321 50-348 50-424
50-366 50-364 50-425

NL-07-1619

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555-0001

**Edwin I. Hatch Nuclear Plant
Joseph M. Farley Nuclear Plant
Vogtle Electric Generating Plant
Fitness For Duty Performance Data**

Ladies and Gentlemen:

Southern Nuclear Operating Company (SNC) hereby submits the Fitness For Duty (FFD) Performance Data for the six-month reporting period, January 2007 through June 2007, as required by 10 CFR 26.71(d). The data reflected in this report covers the employees specified in the respective enclosures.

As stated in SNC's March 16, 2007 letter, suspect specimens (e.g., for-cause, follow-up, etc.) are tested by the Health and Human Services (HHS) laboratory at more stringent cut-off levels than those specified in 10 CFR Part 26. Specifically, SNC utilizes the HHS laboratory level of detection (LOD) as the screening and confirmation cut-off for the SNC FFD program. Effective January 15, 2007, the level for confirmation of marijuana by the HHS laboratory has been changed from 1.5 ng/ml to 3.0 ng/ml. This change is reflected in the data provided in Enclosures 1 through 4.

Please advise if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "B. J. George". The signature is written in a cursive, flowing style.

B. J. George
Manager, Nuclear Licensing

BJG/TWS/daj

- Enclosures:
1. Edwin I. Hatch Nuclear Plant FFD Performance Data
 2. Joseph M. Farley Nuclear Plant FFD Performance Data
 3. Vogtle Electric Generating Plant FFD Performance Data
 4. SNC Corporate Headquarters FFD Performance Data

cc: Southern Nuclear Operating Company
Mr. J. T. Gasser, Executive Vice President
Mr. J. R. Johnson, Vice President – Farley
Mr. D. R. Madison., Vice President – Hatch
Mr. T. E. Tynan, Vice President – Vogtle
Mr. D. H. Jones, Vice President – Engineering
RType: CFA04.054; CHA02.004; CVC7000; LC# 14637

U. S. Nuclear Regulatory Commission
Dr. W. D. Travers, Regional Administrator
Ms. K. R. Cotton, NRR Project Manager – Farley
Mr. R. E. Martin, NRR Project Manager – Hatch
Mr. S. P. Lingam, NRR Project Manager – Vogtle
Mr. E. L. Crowe, Senior Resident Inspector – Farley
Mr. J. A. Hickey, Senior Resident Inspector – Hatch
Mr. G. J. McCoy, Senior Resident Inspector – Vogtle

**Edwin I. Hatch Nuclear Plant
Joseph M. Farley Nuclear Plant
Vogtle Electric Generating Plant
Fitness for Duty Performance Data**

Enclosure 1

Edwin I. Hatch Nuclear Plant FFD Performance Data

Enclosure 1

Edwin I. Hatch Nuclear Plant FFD Performance Data

Management Summary

The data generated under the Fitness for Duty (FFD) program from January 2007 through June 2007 has been reviewed and analyzed. The data reflected in this report covers workers, including contract personnel, of the Edwin I. Hatch Nuclear Plant.

The random pool contains not only those badged for unescorted access, but also those employees who may, in an emergency condition, be called upon to work at the site and may require unescorted access. Contractors without approved programs are included in the testing pool while on site. Testing during this time period was performed on a nominal weekly basis to include swing shifts, weekends, and holidays. All for-cause, follow-up, and suspect specimens are tested at the Limits of Detection (LOD) as noted. During this testing period, the rate of testing exceeded 50% yearly of the total population. Weekly quality control checks of the FFD random pool revealed, at most, minor discrepancies during this reporting period.

In summarizing management actions associated with the FFD program, it should be emphasized that the incidence of confirming positive tests was very low. Consequently, management actions relative to determination of FFD have been limited. The following actions were taken relative to the confirmed positive tests during this reporting period:

Short-term Contractors

- Seven individuals tested positive on pre-access and were denied access.
- Two individuals provided a dilute pre-access specimen that required a witnessed retest. Both specimens tested positive and the individuals were denied access.
- Six individuals provided a suspect pre-access specimen that required a witnessed retest. Three of these individuals tested positive and access was denied. The other three individuals refused a witnessed retest and access was denied.
- Three individuals tested positive on a follow-up test and access was terminated.

Long-term Contractors

- None

Employees

- One individual tested positive on a for-cause behavior. The individual received an FFD evaluation and was placed in the follow-up pool. The individual was subsequently terminated.
- One individual tested positive on a random. The individual received an FFD evaluation, was placed in the follow-up pool, and is doing well.

Employees who report a substance abuse-related arrest or any custodial arrest submit to FFD testing and are referred for an Employee Assistance Program evaluation by a mental health professional to determine if there is a substance abuse or other problem. For this reporting period, there were two employees referred for evaluation.

Enclosure 1

Edwin I. Hatch Nuclear Plant FFD Performance Data

Company: Southern Nuclear Operating Company		6 Months Ending 06/30/2007
Location E. I. Hatch Nuclear Plant, Baxley, GA		
Contact Name April Brockson		Phone 205-992-5270
Cutoffs: Screen/Confirmation (ng/ml) <input checked="" type="checkbox"/> Appendix A to 10CFR 26 except for Marijuana 50 / 15		
Cutoffs: Screen/Confirmation (ng/ml) <input checked="" type="checkbox"/> Limits of Detection (LOD)		
Marijuana	20 / 3.0	Amphetamines 300 / 100
Cocaine	150 / 60	Phencyclidine 20 / 10
Opiates	300 / 150	Alcohol (% BAC) $\geq 0.02\%$ if at work for at least 2 hours $\geq 0.03\%$ if at work for at least 1 hour

Testing Results		Licensee Employees		Long Term Contractor Personnel		Short Term Contractor Personnel	
		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Average Number with unescorted access		925		65		515	
Categories		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		83	0	0	0	1104	15
For Cause	Post accident	7	0	0	0	4	0
	Observed Behavior	9	1	0	0	0	0
Random		269	1	24	0	123	0
Follow-up		26	0	0	0	50	3
Other: Safety & Health, Re-test, Return to work		21	0	0	0	15	8
Total		415	2	24	0	1296	26

Enclosure 1

Edwin I. Hatch Nuclear Plant FFD Performance Data

Breakdown of Confirmed Positive Tests for Specific Substances

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal to Test	
Licensee Employees	0	0	0	0	0	2	0	
Long-Term Contractors	0	0	0	0	0	0	0	
Short-Term Contractors	8 ^{*1}	6	2 ^{**}	1	0	1	9	
Total	8	6	2	1	0	3	9	29^{***}

* Number of tests in this category that tested positive at LOD levels

** One individual tested positive for morphine and codeine.

*** One individual tested positive for substances in two different categories.

**Edwin I. Hatch Nuclear Plant
Joseph M. Farley Nuclear Plant
Vogtle Electric Generating Plant
Fitness for Duty Performance Data**

Enclosure 2

Joseph M. Farley Nuclear Plant FFD Performance Data

Joseph M. Farley Nuclear Plant FFD Performance Data

Management Summary

The data generated under the Fitness for Duty (FFD) program from January 2007 through June 2007 has been reviewed and analyzed. The data reflected in this report covers workers, including contract personnel, of the Joseph M. Farley Nuclear Plant.

The random pool contains not only those badged for unescorted access, but also those employees who may, in an emergency condition, be called upon to work at the site and may require unescorted access. Contractors without approved programs are included in the testing pool while on site. Testing during this time period was performed on a nominal weekly basis to include swing shifts, weekends, and holidays. All for-cause, follow-up, and suspect specimens are tested at the Limits of Detection (LOD) as noted. During this testing period, the rate of testing exceeded 50% yearly of the total population. Weekly quality control checks of the FFD random pool revealed, at most, minor discrepancies during this reporting period.

In summarizing management actions associated with the FFD program, it should be emphasized that the incidence of confirming positive tests was very low. Consequently, management actions relative to determination of FFD have been limited. The following actions were taken relative to the confirmed positive tests during this reporting period:

Short-term Contractors

- Nine individuals tested positive on pre-access and were denied access.

Long-term Contractors

- None

Employees

- One individual tested positive on a random. The individual received an FFD evaluation, was placed in the follow-up pool, and is doing well.

Employees who report a substance abuse-related arrest or any custodial arrest submit to FFD testing and are referred for an Employee Assistance Program evaluation by a mental health professional to determine if there is a substance abuse or other problem. For this reporting period, there was one employee referred for evaluation.

Enclosure 2

Joseph M. Farley Nuclear Plant FFD Performance Data

Company: Southern Nuclear Operating Company		6 Months Ending 06/30/2007
Location Joseph M. Farley Nuclear Plant		
Contact Name April Brockson		Phone 205-992-5270
Cutoffs: Screen/Confirmation (ng/ml) <input checked="" type="checkbox"/> Appendix A to 10CFR 26 except for: Marijuana 50 / 15		
Cutoffs: Screen/Confirmation (ng/ml) <input checked="" type="checkbox"/> Limits of Detection (LOD)		
Marijuana	20 / 3.0	Amphetamines 300 / 100
Cocaine	150 / 60	Phencyclidine 20 / 10
Opiates	300 / 150	Alcohol (% BAC) \geq 0.02% if at work for at least 2 hours \geq 0.03% if at work for at least 1 hour

Testing Results	Licensee Employees		Long Term Contractor Personnel		Short Term Contractor Personnel		
	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive	
Average Number with unescorted access	897		48		370		
Categories	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive	
Pre-Access	81	0	0	0	677	9* ²	
For Cause	Post accident	10	0	1	0	3	0
	Observed Behavior	7	0	0	0	1	0
Random	261	1	30	0	77	0	
Follow-up	24	0	0	0	29	0	
Other: Safety & Health, Re-test, Return to work	21	0	0	0	1	0	
Total	404	1	31	0	788	9	

* Number of tests in this category that tested positive at LOD levels.

Enclosure 2

Joseph M. Farley Nuclear Plant FFD Performance Data

Breakdown of Confirmed Positive Tests for Specific Substances

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal to Test	
Licensee Employees	0	0	0	0	0	1	0	
Long-Term Contractors	0	0	0	0	0	0	0	
Short-Term Contractors	5	1	1	0	0	2 [*]	0	
Total	5	1	1	0	0	3	0	10

* Number of tests in this category that tested positive at LOD levels.

**Edwin I. Hatch Nuclear Plant
Joseph M. Farley Nuclear Plant
Vogtle Electric Generating Plant
Fitness for Duty Performance Data**

Enclosure 3

Vogtle Electric Generating Plant FFD Performance Data

Vogtle Electric Generating Plant FFD Performance Data

Management Summary

The data generated under the Fitness for Duty (FFD) program from January 2007 through June 2007 has been reviewed and analyzed. The data reflected in this report covers workers, including contract personnel, of the Vogtle Electric Generating Plant.

The random pool contains not only those badged for unescorted access, but also those employees who may, in an emergency condition, be called upon to work at the site and may require unescorted access. Contractors without approved programs are included in the testing pool while on site. Testing during this time period was performed on a nominal weekly basis to include swing shifts, weekends, and holidays. All for-cause, follow-up, and suspect specimens are tested at the Limits of Detection (LOD) as noted. During this testing period, the rate of testing exceeded 50% yearly of the total population. Weekly quality control checks of the FFD random pool revealed, at most, minor discrepancies during this reporting period.

In summarizing management actions associated with the FFD program, it should be emphasized that the incidence of confirming positive tests was very low. Consequently, management actions relative to determination of FFD have been limited. The following actions were taken relative to the confirmed positive tests during this reporting period:

Short-term Contractors

- 15 individuals tested positive on pre-access and were denied access.
- One individual refused to provide a pre-access specimen in accordance with 10 CFR Part 26 and was denied access.
- Two individuals provided suspect pre-access specimens. Both individuals refused to submit to a witnessed retest and were denied access.
- Two individuals tested positive on random tests and were terminated.

Long-term Contractors

- None

Employees

- One individual tested positive on a for-cause behavior. The individual received an FFD evaluation, was placed in the follow-up pool, and is doing well.

Employees who report a substance abuse-related arrest or any custodial arrest submit to FFD testing and are referred for an Employee Assistance Program evaluation by a mental health professional to determine if there is a substance abuse or other problem. For this reporting period, there were two employees referred for evaluation.

Enclosure 3

Vogtle Electric Generating Plant FFD Performance Data

Company: Southern Nuclear Operating Company		6 Months Ending 06/30/07
Location Vogtle Electric Generating Plant, Waynesboro, GA		
Contact Name April Brockson		Phone 205-992-5270
Cutoffs: Screen/Confirmation (ng/ml) <input checked="" type="checkbox"/> Appendix A to 10CFR 26 except for Marijuana 50 / 15		
Cutoffs: Screen/Confirmation (ng/ml) <input checked="" type="checkbox"/> Limits of Detection (LOD)		
Marijuana	20 / 3.0	Amphetamines 300 / 100
Cocaine	150 / 60	Phencyclidine 20 / 10
Opiates	300 / 150	Alcohol (% BAC) $\geq 0.02\%$ if at work for at least 2 hours $\geq 0.03\%$ if at work for at least 1 hour

Testing Results	Licensee Employees		Long Term Contractor Personnel		Short Term Contractor Personnel	
	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Average Number with unescorted access	960		51		463	
Pre-Access	65	0	0	0	962	18
For Cause	Post accident	10	0	1	0	0
	Observed Behavior	5	1	0	0	0
Random	288	0	16	0	96	2
Follow-up	53	0	0	0	26	0
Other: Safety & Health, Re-test, Return to work	43	0	2	0	21	2
Total	464	1	19	0	1105	22

Enclosure 3

Vogle Electric Generating Plant FFD Performance Data

Breakdown of Confirmed Positive Tests for Specific Substances

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal to Test	
Licensee Employees	0	0	0	0	0	1	0	
Long-Term Contractors	0	0	0	0	0	0	0	
Short-Term Contractors	9	6	1*	1**	0	1	5	
Total	9	6	1	1	0	2	5	24***

- * Individual tested positive for morphine and codeine.
- ** Individual tested positive for amphetamine and methamphetamine.
- *** One individual tested positive for substances in two different categories.

**Edwin I. Hatch Nuclear Plant
Joseph M. Farley Nuclear Plant
Vogtle Electric Generating Plant
Fitness for Duty Performance Data**

Enclosure 4

SNC Corporate Headquarters FFD Performance Data

SNC Corporate Headquarters FFD Performance Data

Management Summary

The data generated under the Fitness for Duty (FFD) program from January 2007 through June 2007 has been reviewed and analyzed. The data reflected in this report covers workers, including contract personnel, at the Southern Nuclear Operating Company Corporate Headquarters in Birmingham, Alabama.

The random pool contains not only those badged for unescorted access at a nuclear site, but also those employees who may, in an emergency condition, be called upon to work at any of the SNC sites and may require unescorted access. Contractors without approved programs are included in the testing pool. Testing during this time period was performed on a nominal weekly basis. All for-cause, follow-up, and suspect specimens are tested at the Limits of Detection (LOD) as noted. During this testing period, the rate of testing exceeded 50% yearly of the total population. Weekly quality control checks of the FFD random pool revealed, at most, minor discrepancies during this reporting period.

In summarizing management actions associated with the FFD program, it should be emphasized that the incidence of confirming positive tests was very low. Consequently, management actions relative to determination of FFD have been limited. The following actions were taken relative to the confirmed positive tests during this reporting period:

Short-term Contractors

- None

Long-term Contractors

- None

Employees

- One individual tested positive on a random. The individual received an FFD evaluation, was placed in the follow-up pool, and is doing well.

Employees who report a substance abuse-related arrest or any custodial arrest submit to FFD testing and are referred for an Employee Assistance Program evaluation by a mental health professional to determine if there is a substance abuse or other problem. For this reporting period, there were no employees referred for evaluation.

Enclosure 4

SNC Corporate Headquarters FFD Performance Data

Company: Southern Nuclear Operating Company		6 Months Ending 06/30/07
Location SNC Corporate Headquarters		
Contact Name April Brockson		Phone 205-992-5270
Cutoffs: Screen/Confirmation (ng/ml) <input checked="" type="checkbox"/> Appendix A to 10CFR 26 except for Marijuana 50 / 15		
Cutoffs: Screen/Confirmation (ng/ml) <input checked="" type="checkbox"/> Limits of Detection (LOD)		
Marijuana	20 / 3.0	Amphetamines 300 / 100
Cocaine	150 / 60	Phencyclidine 20 / 10
Opiates	300 / 150	Alcohol (% BAC) \geq 0.02% if at work for at least 2 hours \geq 0.03% if at work for at least 1 hour

Testing Results	Licensee Employees		Long Term Contractor Personnel		Short Term Contractor Personnel	
	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Average Number with unescorted access	608		14		70	
Pre-Access	71	0	0	0	27	0
For Cause	Post accident	0	0	2	0	0
	Observed Behavior	3	0	0	0	0
Random	164	1	8	0	22	0
Follow-up	6	0	0	0	1	0
Other: Safety & Health, Re-test, Return to work	11	0	0	0	0	0
Total	255	1	10	0	50	0

Enclosure 4

SNC Corporate Headquarters FFD Performance Data

Breakdown of Confirmed Positive Tests for Specific Substances

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal to Test	
Licensee Employees	1	0	0	0	0	0	0	
Long-Term Contractors	0	0	0	0	0	0	0	
Short-Term Contractors	0	0	0	0	0	0	0	
Total	1	0	0	0	0	0	0	1