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Operating Company, Inc.**  
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August 31, 2007

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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 fluid and cursive, with a long horizontal stroke at the end.

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

U. S. Nuclear Regulatory Commission

NL-07-1619

Page 2

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: <b>Southern Nuclear Operating Company</b>		6 Months Ending <b>06/30/2007</b>
Location <b>E. I. Hatch Nuclear Plant, Baxley, GA</b>		
Contact Name <b>April Brockson</b>		Phone <b>205-992-5270</b>
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
<b>Average Number with unescorted access</b>		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
<b>Total</b>		<b>415</b>	<b>2</b>	<b>24</b>	<b>0</b>	<b>1296</b>	<b>26</b>

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	
<b>Licensee Employees</b>	0	0	0	0	0	2	0	
<b>Long-Term Contractors</b>	0	0	0	0	0	0	0	
<b>Short-Term Contractors</b>	8 <sup>*1</sup>	6	2 <sup>**</sup>	1	0	1	9	
<b>Total</b>	8	6	2	1	0	3	9	29 <sup>***</sup>

\* 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**

## Enclosure 2

### 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: <b>Southern Nuclear Operating Company</b>		6 Months Ending <b>06/30/2007</b>
Location <b>Joseph M. Farley Nuclear Plant</b>		
Contact Name <b>April Brockson</b>		Phone <b>205-992-5270</b>
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	
<b>Average Number with unescorted access</b>	897		48		370		
Categories	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive	
Pre-Access	81	0	0	0	677	9* <sup>2</sup>	
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	
<b>Total</b>	<b>404</b>	<b>1</b>	<b>31</b>	<b>0</b>	<b>788</b>	<b>9</b>	

\* 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	
<b>Licensee Employees</b>	0	0	0	0	0	1	0	
<b>Long-Term Contractors</b>	0	0	0	0	0	0	0	
<b>Short-Term Contractors</b>	5	1	1	0	0	2 <sup>*</sup>	0	
<b>Total</b>	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: <b>Southern Nuclear Operating Company</b>		6 Months Ending <b>06/30/07</b>
Location <b>Vogtle Electric Generating Plant, Waynesboro, GA</b>		
Contact Name <b>April Brockson</b>		Phone <b>205-992-5270</b>
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
<b>Average Number with unescorted access</b>	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
<b>Total</b>	<b>464</b>	<b>1</b>	<b>19</b>	<b>0</b>	<b>1105</b>	<b>22</b>

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	
<b>Licensee Employees</b>	0	0	0	0	0	1	0	
<b>Long-Term Contractors</b>	0	0	0	0	0	0	0	
<b>Short-Term Contractors</b>	9	6	1*	1**	0	1	5	
<b>Total</b>	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: <b>Southern Nuclear Operating Company</b>		6 Months Ending <b>06/30/07</b>
Location <b>SNC Corporate Headquarters</b>		
Contact Name <b>April Brockson</b>		Phone <b>205-992-5270</b>
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
<b>Average Number with unescorted access</b>	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
<b>Total</b>	<b>255</b>	<b>1</b>	<b>10</b>	<b>0</b>	<b>50</b>	<b>0</b>

Enclosure 4

SNC Corporate Headquarters FFD Performance Data

**Breakdown of Confirmed Positive Tests for Specific Substances**

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