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Document Control Desk  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555

Ladies and Gentlemen:

Subject: VIRGIL C. SUMMER NUCLEAR STATION  
DOCKET NO. 50/395  
OPERATING LICENSE NO. NPF-12  
FITNESS FOR DUTY - SEMIANNUAL REPORT

As required by 10CFR26.71(d), attached is the Virgil C. Summer Nuclear Station's Fitness for Duty Report for the period from July 1 to December 31, 2004. This report includes the required test results, data analyses and a summary of management actions taken as a result of the testing.

Should you have any questions, please call Ms. Judy Wasieczko (803-345-4564) at your convenience.

Very truly yours,



Kenneth W. Nettles

SBR/KWN/sr  
Attachment

c: N. O. Lorick  
S. A. Byrne  
N. S. Carns  
T. G. Eppink (w/o Attachment)  
R. J. White  
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RTS (L-99-0402)  
File (818.02-20, RR 2000)  
DMS (RC-05-0030)

A021

**FITNESS FOR DUTY PROGRAM  
PERFORMANCE DATA  
PERSONNEL SUBJECT TO 10CFR 26**

<u>South Carolina Electric &amp; Gas Company</u> <div style="text-align: center;">Company</div>	<u>December 31, 2004</u> <div style="text-align: center;">6 Months Ending</div>
<u>V. C. Summer Nuclear Station, Jenkinsville, SC</u> <div style="text-align: center;">Location</div>	
<u>Mark Findlay / Judy Wasieczko</u> <div style="text-align: center;">Contact Name</div>	<u>(803) 345-4186 / (803) 345-4564</u> <div style="text-align: center;">Phone (include area code)</div>
Cutoffs:     Screen/Confirmation (ng/ml)	
Marijuana            50/10 Cocaine               300/150 Opiates                300/300 Amphetamines       1000/500 Phencyclidine       25/25	Alcohol (%BAC) .04  .03 ≥one hour on duty .02 ≥two hours on duty

Testing Results		Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access		731		190		52	
Categories		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		27	0	42	1	122	0
For Cause	Post accident	0	0	3	0	0	0
	Observed behavior	2	0	4	0	0	0
Random		201	0	60	1	21	0
Follow-up		11	0	0	0	0	0
Other		10	0	0	0	1	0
Total		251	0	110	2	144	0

### BREAKDOWN OF CONFIRMED POSITIVE TESTS FOR SPECIFIC SUBSTANCES

	Marijuana*	Cocaine	Opiates	Amphetamine	Phencyclidine	Alcohol	Refusal to Test	Adulterated Substituted	
Licensee Employees	0 / 0	0	0	0	0	0	0	0	
Long-Term Contractors	0 / 0	1	0	0	0	0	1	0	
Short-Term Contractors	0 / 0	0	0	0	0	0	0	0	
Total	0 / 0	1	0	0	0	0	1	0	2

\*Lower cut off levels than Appendix A to 10 CFR26 required. Upper number represents total number of confirmed positives per population group while the lower number indicates how many of these positives were detected due to lower cut off level.

**V.C. SUMMER NUCLEAR STATION FITNESS FOR DUTY SUMMARY  
10 CFR 26.71(d) REQUIREMENTS  
JULY 01, 2004 – DECEMBER 31, 2004**

**MANAGEMENT ACTIONS**

**A. Positive Test Results:**

**There was one confirmed positive test for drugs and there was one refusal to test during this reporting period. These results and subsequent management actions can be categorized as follows:**

**1. Pre-access Test:**

**There was one short-term contractor that tested confirmed positive for drugs. In this case, appropriate management personnel were notified that this individual would not be granted unescorted access authorization and would not be eligible for rehire.**

**2. Random Test:**

**There was one refusal to test on a random that resulted in a confirmed positive. A long-term contractor was notified of a random test and did not report to the collection facility. This individual left the site and did not return. This individual's unescorted access authorization was terminated and is not eligible for rehire.**

**B. Split Samples:**

**There were no split samples sent during this reporting period.**

**C. Direct Observations:**

**There were seven direct observations performed at the request of the Medical Review Officer. No unusual findings were reported.**

**D. For-Cause Test:**

There were nine For-Cause tests conducted during this reporting period. Two tests were conducted on permanent employees and four tests were conducted on long-term contractors for observed behavior. All tests were negative.

There were three For-Cause tests conducted on long-term contractors for various accidents and injuries and all tests were negative.

**DATA ANALYSIS**

**A. Random Testing:**

There were 261 random tests conducted during this reporting period with one confirmed positive test. This constitutes a positive random test rate of .38%. There were 529 random tests conducted in 2004 with an average population of 974, resulting in an annual random testing rate of 54.31%.

There were 32 random collections performed on back shift, weekends, and holidays during this reporting period.

**B. Lower Cut-off Levels:**

The lower cut-off level for marijuana resulted in no additional confirmed positive tests.

**C. Blind Performance Testing:**

During the third quarter of 2004, there were 294 genuine specimens and 35 blind performance test specimens submitted to the primary testing laboratory, which constitutes a blind performance testing rate of 11.9%. In the fourth quarter of 2004, there were 216 genuine specimens and 25 blind performance test specimens submitted to the primary testing laboratory, which constitutes a blind performance testing rate of 11.57%.

In both quarters, the percentage of positive and negative blind performance specimens submitted was 20% and 80%, respectively. All drugs tested by our program were included in the positive specimens. There were no discrepant test results.

**D. Population Groups:**

**One long-term contractor was responsible for a Refusal to Test after being identified for a random test. This individual's unescorted access authorization and employment were terminated. Another long-term contractor tested confirmed positive for drugs on a pre-access test during this reporting period. This individual's did not have unescorted access authorization and is not eligible for rehire in the future.**

**REPORTABLE EVENTS**

**There were no reportable events during this reporting period.**

**SUMMARY**

**In conclusion, as a result of the low rate of substance abuse among personnel enrolled at the V. C. Summer Nuclear Station, SCE&G maintains an effective Fitness for Duty Program. Providing a work environment free from the effects of drugs and alcohol remains a high priority for SCE&G.**