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U. S. Nuclear Regulatory Commission  
Washington, DC 20555

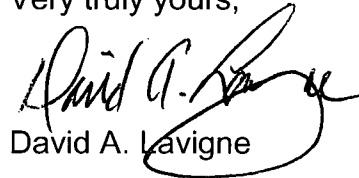
Ladies and Gentlemen:

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 January 1 to June 30, 2007. 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 Mr. George Fricks at (803)-345-4413.

Very truly yours,



David A. Lavigne

SBR/DAL/sr  
Attachment

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DMS (RC-07-0124)

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

<u>South Carolina Electric &amp; Gas Company</u> Company		<u>June 30, 2007</u> 6 Months Ending
<u>V. C. Summer Nuclear Station, Jenkinsville, SC</u> Location		
<u>Gregg Douglass / George Fricks</u> Contact Name		<u>803-345-4567/345-4413</u> Phone (include area code)
Cutoffs:	Screen/Confirmation (ng/ml)	
Marijuana	50/10	Alcohol (%BAC) .04
Cocaine	300/150	.03 ≥ one hour on duty
Opiates	300/300	.02 ≥ two hours on duty
Amphetamines	1000/500	
Phencyclidine	25/25	

Testing Results		Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access		743		227		63	
Categories		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		57	0	38	1	31	0
For Cause	Post accident	0	0	1	0	0	0
	Observed behavior	0	0	0	0	0	0
Random		199	1	64	0	10	0
Follow-up		0	0	2	0	4	0
Other		5	0	7	0	0	0
Total		261	1	112	1	45	0

**BREAKDOWN OF CONFIRMED POSITIVE TESTS FOR SPECIFIC SUBSTANCES**

	Marijuana*	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal to Test	Adulterated Substituted	
Licensee Employees	0 / 0	1	0	0	0	0	0	0	
Long-Term Contractors	1 / 0	0	0	0	0	0	0	0	
Short-Term Contractors	0 / 0	0	0	0	0	0	0	0	
Total	1 / 0	1	0	0	0	0	0	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  
JANUARY 01, 2007 – JUNE 30, 2007**

**MANAGEMENT ACTIONS**

**A. Positive Test Results:**

**There were two confirmed positive test results during this reporting period. These results and subsequent management actions can be categorized as follows:**

**1. Pre-access Test:**

**There was one long-term contractor who 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 to re-apply for access.**

**2. Random Test:**

**There was one permanent employee who tested confirmed positive for drugs. This individual's unescorted access authorization was permanently revoked and employment was terminated; appropriate management personnel were notified.**

**B. Split Samples:**

**There were two split samples sent to the back-up laboratory for testing at the request of the Medical Review Officer. In both cases, the split sample tested positive and was declared confirmed positive by the Medical Review Officer.**

**C. Direct Observations:**

**There was one direct observation performed at the request of the Medical Review Officer. No unusual findings were reported.**

**D. For-Cause Test:**

**During this reporting period, there was one for-cause (post accident) test conducted on a long-term contractor following a vehicle accident. The test was negative.**

## DATA ANALYSIS

### A. Random Testing:

There were 278 random tests conducted during this reporting period with one confirmed positive test. This constitutes a positive random test rate of .36 %. The average population for this reporting period was 1034, resulting in a random test rate of 26.89 %. Of the 278 random tests, 9 were performed on back-shift, weekends or holidays.

### B. Lower Cut-off Levels:

No confirmed positives were detected due to the lower cut-off levels for marijuana.

### C. Blind Performance Testing:

During the first quarter of 2007, there were 185 genuine specimens and 25 blind performance test specimens submitted to the primary testing laboratory, which constitutes a blind performance test rate of 13.51%. In the second quarter of 2007, there were 233 genuine specimens and 30 blind performance test specimens submitted to the primary testing laboratory, which constitutes a blind performance test rate of 12.88%.

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:

There was one long-term contractor who tested confirmed positive for drugs on a pre-access test and one permanent employee that tested confirmed positive for drugs on a random test. The long-term contractor was denied unescorted access authorization and will not be eligible to re-apply. The permanent employee's unescorted access authorization was permanently revoked and employment was terminated.

## **REPORTABLE EVENTS**

**There were no events reportable under 10CFR26.73.**

**There was one FFD-related “area for improvement” (AFI) noted during the conduct of a Behavioral Observation Program self-assessment. This AFI involved the notification of licensee management when the EAP determines that the condition of an individual subject to the provisions of 10CFR26.25 constitutes a risk to himself / herself or others. The EAP provider currently has a limited process in place, but the self-assessment team identified the need for several action items including: (1) developing a more structured protocol to effect notification from the EAP provider to SCE&G when required by regulation, and ensuring the protocol is included in the scope of services for the provider; (2) conducting an effectiveness review at least 6 months after the closure of the final action. Results of this review will be included as a follow-up in a forthcoming Summary Report.**

## **SUMMARY**

**In conclusion, as indicated by the low rate of substance abuse among personnel at 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.**