



Kenneth W. Nettles  
General Manager, Nuclear Support Services  
803.345.4752

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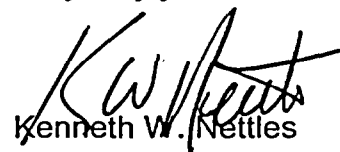
Ladies and Gentlemen:

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, 2005. 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: Mr. N. O. Lorick  
Mr. S. A. Byrne  
Mr. N. S. Carns  
Mr. T. G. Eppink (w/o Attachment)  
Mr. R. J. White  
Mr. W. D. Travers  
Mr. R. E. Martin  
NRC Resident Inspector

Ms. K. M. Sutton  
Mr. M. P. Findlay  
Mr. H. C. Lyons  
NSRC  
RTS (L-99-0402)  
File (818.02-20, RR 2000)  
DMS (RC-05-0132)

A021

**V. C. SUMMER NUCLEAR STATION FITNESS FOR DUTY SUMMARY  
10 CFR 26.71(d) REQUIREMENTS  
FOR  
JANUARY 01, 2005 – JUNE 30, 2005**

**MANAGEMENT ACTIONS**

**A. Positive Test Results:**

**There were nine 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 and six short-term contractors that tested confirmed positive for drugs during this reporting period. In all cases, these individuals were denied unescorted access authorization and would not be eligible for retesting.**

**2. Follow-up Test:**

**One permanent employee tested confirmed positive for alcohol. This individual's unescorted access to the Emergency Offsite Facility was permanently revoked and their employment was terminated.**

**3. For-Cause Test:**

**There was one permanent employee that tested confirmed positive for alcohol. This individual's unescorted access to the Protected Area was permanently revoked and their employment was terminated.**

**B. Split Samples:**

**Three split samples were sent at the request of the donors to the back-up laboratory for testing. In all cases, the split samples tested confirmed positive and were reconfirmed positive by the Medical Review Officer.**

**C. Direct Observations:**

**The Medical Review Officer requested three direct observation collections. There were no unusual findings.**

## **DATA ANALYSIS**

### **A. Random Testing:**

**There were 304 random tests conducted during this reporting period with no confirmed positive test results. The average population during this reporting period was 1170, resulting in a random testing rate of 25.98%. Of the 304 random tests, 26 were performed on back-shift, weekends and holidays.**

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

**No additional confirmed positive tests due to the lower cut-off level for marijuana.**

### **C. Blind Performance Testing:**

**During the first quarter of 2005, there were 386 genuine specimens and 45 blind performance test specimens submitted to the primary testing laboratory, which constitutes a blind performance test rate of 11.66%. In the second quarter, there were 435 genuine specimens and 55 blind performance test specimens submitted to the primary testing laboratory, which constitutes a blind performance test rate of 12.64%.**

**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 were seven confirmed positive tests for drugs involving one long-term and six short-term contractors during this reporting period. All seven contractors tested confirmed positive on pre-access tests and were not allowed unescorted access authorization.**

**Two permanent employees tested confirmed positive for alcohol. In both cases, their employment was terminated.**

## **REPORTABLE EVENTS**

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

### **SUMMARY**

**The absence of confirmed positive random test results for this period is indicative of a low rate of substance abuse among personnel enrolled in the V. C. Summer Nuclear Station Fitness for Duty Program. Maintaining an effective Fitness for Duty Program in order to provide a work environment free from the effects of drugs and alcohol remains a high priority for South Carolina Electric and Gas.**

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

South Carolina Electric & Gas Company  
Company

June 30, 2005  
6 Months Ending

V. C. Summer Nuclear Station, Jenkinsville, SC  
Location

Mark Findlay /Judy Wasieczko

(803) 345- 4186/ 345-4564  
Phone (include area code)

Contact Name

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		729		206		235	
Categories		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		43	0	58	1	375	6
For Cause	Post accident	0	0	3	0	1	0
	Observed behavior	4	1	0	0	0	0
Random		201	0	55	0	48	0
Follow-up		5	1	1	0	3	0
Other		1	0	7	0	16	0
Total		254	2	124	1	443	6

### 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	2	0	0	
Long-Term Contractors	1 / 0	0	0	0	0	0	0	0	
Short-Term Contractors	5 / 0	1	0	0	0	0	0	0	
Total	6 / 0	1	0	0	0	2	0	0	9

\*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.