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Vice President
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Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

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 Fitness for Duty Report for the period from July 1, 1990, to December 31, 1990. This report includes the required test results and data analyses, and a summary of management actions taken as a result of the testing.

Should you have any questions, please call at your convenience.

Very truly yours,

John L. Skolds

EWR:JLS:mtm
Attachment

c: O. W. Dixon Jr.	J. B. Knotts Jr.
R. R. Mahan	G. F. Gibson
R. J. White	W. H. Johnson
S. D. Ebnetter	R. E. Enkeboll
G. F. Wunder	NSRC
General Managers	RTS (SA-100)
NRC Resident Inspector	File (811.02-50.019)

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NUCLEAR EXCELLENCE - A SUMMER TRADITION!

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PDR ADOCK 05000395
R PDR

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**Fitness for Duty Program
Performance Data
Personnel Subject to 10CFR26**

South Carolina Electric & Gas Company
Company

December 31, 1990
F Months Ending

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

G. F. Gibson/D. L. Arthur
Contact Name

(803) 345-4520/345-4272
Phone (include area code)

Cutoffs: Screen/Confirmation (ng/ml)

Appendix A to 10CFR 26

Marijuana	50/10	Amphetamines	1000/500	Barbiturates	200/200
Cocaine	300/150	Phencyclidine	25/25	Benzodiazepines	300/300
Opiates	300/300	Alcohol (%BAC)	.04	Methaqualone	750/200

Testing Results	Licensee Employees				Long Term Contractor Personnel		Short Term Contractor Personnel	
	797		# Referred to EAP	# Access Restored	336		158	
Categories	# Tested	# Positive			# Tested	# Positive	# Tested	# Positive
Average Number with Unescorted Access	797				336		158	
Pre-employment	58	0			6	0	1	0
Pre-badging	35	0			69	1	14	0
Periodic	0	0			0	0	0	0
For cause	0	0			1	1	0	0
Pos. accident	0	0			0	0	0	0
Random	441	0			169	2	12	0
Follow-up	0	0			0	0	0	0
Other	0	0			1	0	0	0
Total	534	0	0	0	246	4	27	0

Random Testing Program Results

Individuals Tested	1989	1990		1991		1992		1993	
# POSITIVE # TESTED	/	2 817	2 622	/	/	/	/	/	/
% Positive		.24%	.32%						
Graph of % Positive									

Confirmed Positive Tests For Specific Substances

	1989	1990	1991	1992	1993	1994	1995	1996	1997
Marijuana		7	2						
Cocaine		10	1						
Opiates		0	1						
Amphetamines		0	0						
Phencyclidine		0	0						
Alcohol		5	1						
Barbiturates		2	0						
Benzodiazepines		2	0						
Methaqualone		0	0						

Virgil C. Summer Nuclear Station Fitness For Duty Summary

10CFR26.71(d) Requirements

for

July 1, 1990 - December 31, 1990

MANAGEMENT ACTIONS

Positive Test Results - There were a total of four positive test results during this reporting period. These results and the subsequent management actions can be categorized as follows:

- A. One confirmed positive test result for drugs was received on a pre-badging test. This individual's unescorted access authorization had been suspended prior to the test due to unavailability for random testing after selection. Unescorted access authorization was permanently revoked upon confirmation of the positive test result, and notification was made to the appropriate management representative of the company employing this individual.
- B. Two confirmed positive test results for drugs were received on random tests. Both of these individuals had their unescorted access authorization permanently revoked upon confirmation. In both cases, notifications were made to the appropriate management personnel of the companies employing these individuals.
- C. One confirmed positive breath analysis test result for alcohol was received on a test "for cause." This individual's unescorted access authorization was revoked and notification was made to the appropriate management representative of the company employing this individual.

In two of the positive drug cases where the individuals denied taking the substances, the Medical Review Officer directed that the split samples be submitted to the backup laboratory for analysis. The backup laboratory confirmed the findings of Roche Laboratories.

Adulterated/Substituted Specimen - The Medical Review Officer declared one specimen to be adulterated/substituted when no creatinine was found in the sample. The split sample was tested by the backup laboratory with no creatinine detected. A subsequent sample was taken under direct observation and was found to contain a normal level of creatinine. In accordance with SCE&G policy, this individual's unescorted access authorization was permanently revoked, and his employment was terminated.

DATA ANALYSIS

A. Additional Substances/Lower Cut off Levels.

The additional substances and lower cut off levels used by SCE&G did not result in any additional confirmed positive results for this six month period. However, SCE&G believes testing to the current program standards should continue in order to enhance the effectiveness of the program.

B. Blind Performance Testing.

During the third quarter of 1990, there were 452 genuine specimens and 60 blind performance test specimens submitted to our primary testing laboratory. The number of blind performance specimens submitted is equivalent to 13.27% of the genuine specimens submitted (3.27% above the requirement). In the fourth quarter of 1990, there were 351 genuine specimens and 50 blind performance test specimens submitted to our primary testing laboratory. The number of blind performance specimens is equivalent to 14.25% of the genuine specimens submitted (4.25% above the requirement).

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

C. Confirmed Positive Test Results.

SCE&G feels that the random positive test result rate of .32% reflects a low degree of substance abuse at the Virgil C. Summer Nuclear Station during the six month period ending December 31, 1990. There was a significant reduction in the number of pre-badging confirmed positive results from the previous six month period, primarily due to the large number of personnel processed for a refueling outage during the previous reporting period. The individual tested "for cause" was the first person to test positive for a substance on a test "for cause" since the program was implemented.

REPORTABLE EVENTS

There were no reportable events during this reporting period.

SUMMARY

SCE&G is continuing to operate an efficient and effective Fitness For Duty Program at the Virgil C. Summer Nuclear Station which complies with all 10CFR26 requirements. Formal and informal evaluations of all aspects of the program will continue in order to ensure that the Fitness For Duty Program provides for a drug free work environment at the Virgil C. Summer Nuclear Station.