



Tennessee Valley Authority, 101 Market Street, Chattanooga, Tennessee 37402-2801

August 30, 1994

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

Gentlemen:

In the Matter of)	Docket Nos.	50-259	50-390
Tennessee Valley Authority)		50-260	50-391
)		50-296	50-438
)		50-327	50-439
)		50-328	

FITNESS FOR DUTY (FFD) PROGRAM PERFORMANCE DATA: JANUARY-JUNE 1994

In accordance with 10 CFR 26.71(d), enclosed is TVA's FFD Program Performance Data for the six-month period of January 1-June 30. Enclosure 1 contains the trends and management initiatives for TVA's FFD program. Enclosures 2-5 contain the performance data and summary of TVA management actions for TVA's nuclear plant sites (Browns Ferry, Sequoyah, Watts Bar, and Bellefonte). The data for TVA's Nuclear Power corporate organization (primarily employees assigned to Chattanooga and Knoxville) is consolidated as Enclosure 6. There was one FFD event reported to the NRC pursuant to 10 CFR 26.73 during this six-month period which is included as Enclosure 7.

The random testing rate for drug and alcohol use is designed at an annual rate equal to or greater than 50 percent of the workforce that is subject to random testing.

If you have any questions concerning this information, please telephone Percy J. Hammons at (615) 751-2736.

Sincerely,

Roger W. Huston
Manager
Nuclear Licensing and Regulatory Affairs

Enclosures
cc: See page 2

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cc (Enclosures):

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ENCLOSURE 1

TENNESSEE VALLEY AUTHORITY (TVA)
FITNESS FOR DUTY PERFORMANCE DATA
JANUARY 1 - JUNE 30, 1994

Significant Fitness For Duty (FFD) Events

There were several events in the FFD program of which TVA would like to make the Nuclear Regulatory Commission (NRC) aware. Listed below are the circumstances and the corresponding corrective actions.

I. Prior FFD Violation not Reported by a Contract Company

A. Summary

The Tennessee Valley Authority Nuclear (TVAN) FFD policy states that an individual who has had a positive test will not be considered for work until three years following the positive test. Contrary to this, on December 18, 1993, a contract employee indicated on a suitable inquiry that he had tested positive at another utility. The contract company did not acknowledge the prior positive test until February 3, 1994, when they discovered the error. The individual had been allowed to work at Watts Bar Nuclear Plant (WBN) from December 14, 1993 through January 27, 1994, at which time the individual voluntarily resigned.

B. Corrective Action

The individual from the contract company who made the error was counselled.

II. Discovery of Suspect Substance Onsite

A. Summary

On March 11, 1994, a janitor found a balloon in a hallway in the East Access Building within the protected area at Browns Ferry Nuclear Plant. The balloon contained a white, powdery substance. A call was made to the NRC Operations Center and the substance was sent to a forensic laboratory for analysis. The results of the analysis indicated that the substance was not an illegal drug.

B. Corrective Action

None necessary.

III. Subversion of Testing

A. Summary

On June 20, 1994, a radcon shift supervisor at BFN was administered a random drug and alcohol test. Based on questionable specific gravity and creatinine the specimen was sent to a forensic toxicologist for analysis. The determination was that based on the chemical and physical properties of the specimen, that the specimen was not human urine, and appeared to be water. The individual met with the Medical Review Officer (MRO) but was unable to provide any explanation for the results of the test.

B. Corrective Action

The individual's TVA employment was terminated.

JANUARY 1, 1994 - JUNE 30, 1994

TRENDS

The confirmed positive test rate for all categories (preemployment, prebadging, for cause, postaccident, random, follow-up, and other) for this reporting period was 0.6 percent (45 positive tests) which was the same as the last reporting period. The rate of random confirmed positive was 0.2 percent (11 positive tests), which is 0.1 percent lower than the last reporting period.

ENCLOSURE 2

SUMMARY OF MANAGEMENT ACTIONS FOR
BROWNS FERRY NUCLEAR PLANT

In the preaccess category, one licensee employee and five contract employees tested positive. The licensee employee was referred to the EAP and did not return to work during this reporting period. The contract employees were denied access and returned to the contractor.

In the random testing category, one contract employee and one licensee employee tested positive. The contractor employee had an unescorted access badge. The badge was revoked and the individual was returned to the contractor. The licensee employee who tested positive was referred to the EAP and did not return to work during this reporting period.

In the for cause testing category, three contract employees tested positive. The contract employees had their unescorted access badges revoked and the individuals were returned to the contractor.

Fitness for Duty Program Performance Data Personnel Subject to 10 CFR 26

TENNESSEE VALLEY AUTHORITY Company	JUNE 30, 1994 6 Months Ending
BROWNS FERRY NUCLEAR PLANT Location	
PAMELA C. HAMILTON Contact Name	(615) 751-2024 Phone (include area code)

Cutoffs: Screen/Confirmation
☒ Appendix A to 10 CFR 26

Marijuana	/	Amphetamines	/				/
Cocaine	/	Phencyclidine	/				/
Opiates	/	Alcohol(%BAC)	/				/

Testing Results		Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access		1882				2054	
Categories		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		66	1	N/A	N/A	660	5
For Cause	Post accident	0	0	N/A	N/A	0	0
	Observed behavior	5	0	N/A	N/A	3	3
Random		783	1	N/A	N/A	940	1
Follow-up		22	0	N/A	N/A	0	0
Other *		2	0	N/A	N/A	2	0
Total		878	2	N/A	N/A	1605	9

Breakdown of Confirmed Positive Tests for Specific Substances

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal to test	1	2	3	4	5	6
Licensee Employees	0	2	0	0	0	0	0	0	0	0	0	0	0
Long-Term Contractors	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Short-Term Contractors	7	2	0	0	0	2	0	0	0	0	0	0	0
Total	7	4	0	0	0	2	0	0	0	0	0	0	0

Cutoff Levels of Additional Drugs

DRUG NUMBER	SUBSTANCE	Cutoff Level (ng/ml)	
		Screen	Confirmation
1	Barbiturates	300	200
2	Benzodiazepines	300	250
3	Methadone	300	250
4	Methaqualone	300	250
5	Propoxyphene	300	300
6	LSD	0.5	0.2

* The other test category includes: Employment ; Transfer to Nuclear Power from other TVA organizations ; Administrative Follow-up (3); and Program Integrity Clearance/Update (1).

ENCLOSURE 3

SUMMARY OF MANAGEMENT ACTIONS FOR
SEQUOYAH NUCLEAR PLANT

In the preaccess category, ten contract employees tested positive. These contract employees were denied access and returned to the contractor.

In the random testing category, one contract employee tested positive. The contract employee had unescorted access. The badge was revoked and the individual was removed from TVA work and returned to the contractor.

In the "Other" testing category, one student who hired in under contract tested positive in the TVAN preemployment testing. The contract employee was removed from TVA work.

Fitness for Duty Program Performance Data Personnel Subject to 10 CFR 26

TENNESSEE VALLEY AUTHORITY <small>Company</small>	JUNE 30, 1994 <small>6 Months Ending</small>
SEQUOYAH NUCLEAR PLANT <small>Location</small>	
PAMELA C. HAMILTON <small>Contact Name</small>	(615) 751-2024 <small>Phone (include area code)</small>
Cutoffs: Screen/Confirmation	
<input checked="" type="checkbox"/> Appendix A to 10 CFR 26	
Marijuana /	Amphetamines /
Cocaine /	Phencyclidine /
Opiates /	Alcohol(%BAC) /

Testing Results		Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access		1313		N/A		618	
Categories		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		106	0	N/A	N/A	970	10
For Cause	Post accident	0	0	N/A	N/A	0	0
	Observed behavior	4	0	N/A	N/A	0	0
Random		669	0	N/A	N/A	317	1
Follow-up		20	0	N/A	N/A	N/A	N/A
Other *		1	1	N/A	N/A	0	0
Total		800	1	N/A	N/A	1287	11

Breakdown of Confirmed Positive Tests for Specific Substances

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal to test	1	2	3	4	5	6	
Licensee Employees	1	0	0	0	0	0	0	0	0	0	0	0	0	
Long-Term Contractors	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Short-Term Contractors	7	3	0	0	0	0	1	0	0	0	0	0	0	A
Total	8	3	0	0	0	0	1	0	0	0	0	0	0	12

Cutoff Levels of Additional Drugs

DRUG NUMBER	SUBSTANCE	Cutoff Level (ng/ml)	
		Screen	Confirmation
1	Barbiturates	300	200
2	Benzodiazepines	300	250
3	Methadone	300	250
4	Methaqualone	300	250
5	Propoxyphene	300	300
6	LSD	0.5	0.2

* The other test category includes: Employment (1) ; Transfer to Nuclear Power from other TVA organizations ; Administrative Follow-up ; and Program Integrity Clearance/Update.

ENCLOSURE 4

SUMMARY OF MANAGEMENT ACTIONS FOR
WATTS BAR NUCLEAR PLANT

In the random testing category, six contract employees and one licensee employee tested positive. All six contract employees were removed from TVA work and returned to the contractor. The licensee employee was referred to the EAP, and returned to work 18 days after the MRO confirmed the positive test result.

In the for cause testing category, one licensee employee tested positive. The licensee employee had TVA employment terminated.

In the "Other" testing category, twelve contract employees tested positive in TVA's preemployment testing. The contract employees were removed from TVA work and returned to the contractor.

In the follow-up testing category, one licensee employee tested positive. The first positive test for this employee occurred during the July through December 1991 reporting period. The individual's TVA employment was terminated.

Fitness for Duty Program Performance Data Personnel Subject to 10 CFR 26

TENNESSEE VALLEY AUTHORITY Company	JUNE 30, 1994 6 Months Ending				
WATTS BAR NUCLEAR PLANT Location					
PAMELA C. HAMILTON Contact Name	(615) 751-2024 Phone (include area code)				
Cutoffs: Screen/Confirmation					
<input checked="" type="checkbox"/> Appendix A to 10 CFR 26					
Marijuana	/	Amphetamines	/		/
Cocaine	/	Phencyclidine	/		/
Opiates	/	Alcohol(%BAC)	/		/

Testing Results		Licensee Employees <input type="radio"/>		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access *		N/A		N/A		N/A	
Categories		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		N/A	N/A	N/A	N/A	N/A	N/A
For Cause	Post accident	0	0	N/A	N/A	0	0
	Observed behavior	2	1	N/A	N/A	0	0
Random		481	1	N/A	N/A	1252	6
Follow-up		19	1	N/A	N/A	0	0
Other **		19	0	N/A	N/A	702	12
Total		521	3	N/A	N/A	1956	18

Breakdown of Confirmed Positive Tests for Specific Substances

	Marijuana	Cocaine	Opiates	Amphetamine	Phencyclidine	Alcohol	Refused to test	1	2	3	4	5	6	
Licensee Employees	1	1	0	0	0	1	0	0	0	0	0	0	0	
Long-Term Contractors	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Short-Term Contractors	14	3	0	0	0	1	0	0	0	0	0	0	0	A
Total	15	4	0	0	0	2	0	0	0	0	0	0	0	21

Cutoff Levels of Additional Drugs

DRUG NUMBER	SUBSTANCE	Cutoff Level (ng/ml)	
		Screen	Confirmation
1	Barbiturates	300	200
2	Benzodiazepines	300	250
3	Methadone	300	250
4	Methaqualone	300	250
5	Propoxyphene	300	300
6	LSD	0.5	0.2

* This is a construction site at which unescorted access has not yet been established.

** The other test category includes: Employment (TVA 11, Contractor 699); Transfer to Nuclear Power from other TVA organizations (4); Administrative Follow-up (7); and Program Integrity Clearance/Update.

ENCLOSURE 5

SUMMARY OF MANAGEMENT ACTIONS FOR
BELLEFONTAINE NUCLEAR PLANT (BLN)

In the random testing category, one licensee employee tested positive. The licensee employee was referred to the EAP and returned to work 26 days after the MRO confirmed the positive test result.

**Fitness for Duty Program
Performance Data
Personnel Subject to 10 CFR 26**

TENNESSEE VALLEY AUTHORITY	JUNE 30, 1994
Company	6 Months Ending
BELLEFONTE NUCLEAR PLANT	
Location	
PAMELA C. HAMILTON	(615) 751-2024
Contact Name	Phone (include area code)
Cutoffs: Screen/Confirmation <input checked="" type="checkbox"/> Appendix A to 10 CFR 26	
Marijuana	/
Amphetamines	/
Cocaine	/
Phencyclidine	/
Opiates	/
Alcohol(%BAC)	/

Testing Results		Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access *		N/A		N/A		N/A	
Categories		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		N/A	N/A	N/A	N/A	N/A	N/A
For Cause	Post accident	0	0	N/A	N/A	0	0
	Observed behavior	0	0	N/A	N/A	0	0
Random		126	1	N/A	N/A	103	0
Follow-up		12	0	N/A	N/A	N/A	N/A
Other **		1	0	N/A	N/A	27	0
Total		139	1	N/A	N/A	130	0

Breakdown of Confirmed Positive Tests for Specific Substances

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal to test	1	2	3	4	5	6	
Licensee Employees	1	0	0	0	0	0	0	0	0	0	0	0	0	
Long-Term Contractors	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	
Short-Term Contractors	0	0	0	0	0	0	0	0	0	0	0	0	0	A
Total	1	0	0	0	0	0	0	0	0	0	0	0	0	1

Cutoff Levels of Additional Drugs

DRUG NUMBER	SUBSTANCE	Cutoff Level (ng/ml)	
		Screen	Confirmation
1	Barbiturates	300	200
2	Benzodiazepines	300	250
3	Methadone	300	250
4	Methaqualone	300	250
5	Propoxyphene	300	300
6	LSD	0.5	0.2

* This is a construction site at which unescorted access has not yet been established.

** The other test category includes: Employment (Contractors 27); Transfer to Nuclear Power from other TVA organizations (1); Administrative Follow-up; and Program Integrity Clearance/Update.

ENCLOSURE 6

SUMMARY OF MANAGEMENT ACTIONS FOR
CORPORATE NUCLEAR POWER OFFICES

In the "Other" testing category, one contract employee tested positive in TVA's preemployment testing. The individual was removed from TVA work.

Fitness for Duty Program Performance Data Personnel Subject to 10 CFR 26

TENNESSEE VALLEY AUTHORITY	JUNE 30, 1994
Company	6 Months Ending
CORPORATE OFFICES (CHATTANOOGA, KNOXVILLE, OTHER)	
Location	
PAMELA C. HAMILTON	(615) 751-2024
Contact Name	Phone (include area code)
Cutoffs: Screen/Confirmation <input checked="" type="checkbox"/> Appendix A to 10 CFR 26	
Marijuana /	Amphetamines /
Cocaine /	Phencyclidine /
Opiates /	Alcohol(%BAC) /

Testing Results		Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access *		N/A		N/A		N/A	
Categories		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		N/A	N/A	N/A	N/A	N/A	N/A
For Cause	Post accident	0	0	N/A	N/A	0	0
	Observed behavior	1	0	N/A	N/A	0	0
Pandom		346	0	N/A	N/A	3	0
Follow-up		12	0	N/A	N/A	0	0
Other **		32	0	N/A	N/A	4	1
Total		390	0	N/A	N/A	7	1

Breakdown of Confirmed Positive Tests for Specific Substances

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal to test	1	2	3	4	5	6	
Licensee Employees	0	0	0	0	0	0	0	0	0	0	0	0	0	
Long-Term Contractors	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Short-Term Contractors	1	0	0	0	0	0	0	0	0	0	0	0	0	A
Total	1	0	0	0	0	0	0	0	0	0	0	0	0	1

Cutoff Levels of Additional Drugs

DRUG NUMBER	SUBSTANCE	Cutoff Level (ng/ml)	
		Screen	Confirmation
1	Barbiturates	300	200
2	Benzodiazepines	300	250
3	Methadone	300	250
4	Methaqualone	300	250
5	Propoxyphene	300	300
6	LSD	0.5	0.2

* Persons assigned to the corporate organization but with unescorted access at a TVA nuclear site are included in the averages for the site or sites where they hold the unescorted access authorizations.

** The other test category includes: Employment (TVA 2, Contractor 3) ; Transfer to Nuclear Power from other TVA organizations (10); Administrative Follow-up; and Program Integrity Clearance/Update (5); and assignment to Emergency Response duties (16).

ENCLOSURE 7

SUMMARY OF FITNESS FOR DUTY EVENTS
REPORTED TO THE NUCLEAR REGULATORY COMMISSION OPERATIONS CENTER

<u>Events</u>	<u>Date of Notification</u>	<u>Job Title</u>	<u>Substance</u>	<u>Method Discovered</u>	<u>Action Taken</u>
94-001	March 11, 1994	N/A	Suspected Cocaine	Custodian found suspect substance within the protected area at BFN	Site Security took custody of the substance and sent it to a forensic laboratory for analysis. Substance determined not to be cocaine.