



Tennessee Valley Authority, 1101 Market Street, Chattanooga, Tennessee 37402-2801

February 26, 2002

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

10 CFR 26.71(d)

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: JULY-DECEMBER 2001

In accordance with 10 CFR 26.71(d), enclosed is TVA's FFD Program Performance Data for the six-month period of July 1-December 31, 2001. Enclosure 1 contains a discussion of recent FFD Program developments and FFD trends since the last reporting period. Enclosures 2-4 contain the performance data and summary of TVA management actions for TVA's nuclear plant sites (Browns Ferry, Sequoyah, and Watts Bar, respectively). Enclosure 5 consolidates the data for TVA's Nuclear corporate organization (primarily Chattanooga and Knoxville corporate offices) and Bellefonte Nuclear Plant. Enclosure 6 includes three FFD events reported to the NRC pursuant to 10 CFR 26.73 during this six-month period.

The random testing rate of drug and alcohol use for the workforce that is subject to random testing is in accordance with the requirements prescribed in 10 CFR 26.24 (a)(2).

If you have any questions concerning this information, please telephone Terry Knuettel at (423) 751-6673.

Sincerely,

Mark J. Burzynski
Mark J. Burzynski
Manager
Nuclear Licensing

Enclosures
cc: See page 2

A021

U.S. Nuclear Regulatory Commission

Page 2

February 26, 2002

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ENCLOSURE 1

TENNESSEE VALLEY AUTHORITY (TVA)
FITNESS FOR DUTY (FFD) PERFORMANCE DATA
JULY 1-DECEMBER 31, 2001

The following summarizes a matter associated with TVA's FFD Program that occurred during this reporting period:

TVA's "Re-screening of Specimens"

Reference: TVA's policy to re-screen specimens with a creatinine level less than 20 mg/dl, which was addressed in the February 28, 1997 FFD Performance Report.

Summary

TVA Nuclear screened 69 specimens at the lower cutoff for marijuana during this reporting period. There were no positive tests identified from this group.

JULY 1-DECEMBER 31, 2001

TRENDS

The confirmed positive test rate for all categories (pre-employment, pre-access, for-cause, post-accident, random, follow-up, and other) for this reporting period was 0.49 percent (15 positive tests) which is 0.13 percent higher than the last reporting period. This 0.13 percent increase in the positive test rate for all categories is primarily attributed to the large increase in pre-access testing associated with Sequoyah Nuclear Plant's (SQN) fall outage (i.e., seven short-term contractor personnel testing positive during "Pre-Access" testing at SQN) and the number of first-time nuclear workers attempting to check in. The rate of random confirmed positives was 0.26 percent (four positive tests) which is 0.08 percent lower than the last reporting period.

ENCLOSURE 2

SUMMARY OF MANAGEMENT ACTIONS FOR
BROWNS FERRY NUCLEAR PLANT

In the **random** test category, one licensee manager (LM) and one contract supervisor (CS) tested positive. The LM's unescorted access authorization and the CS' unescorted access were revoked. The LM was removed from site, suspended from work for 14 days and referred to the Employee Assistance Program. The LM did not request a confirmatory blood alcohol test nor an appeal. The LM returned to work during this reporting period and was placed in the follow-up testing program. The CS was removed from site, returned to the contract company, and restricted from TVA Nuclear (TVAN) work for three years. The CS did not request a confirmatory blood alcohol test nor an appeal. Reviews of the LM's and the CS' work were performed with no deficiencies revealed.

Also in the **random** test category, one contract employee (CE) who had requested unescorted access and was included in the random testing population, but who had not yet been granted unescorted access, tested positive. The CE was denied access, removed from site, returned to the contract company, and restricted from TVAN work for three years. The CE did not request that a split specimen test be performed, nor did the CE request an appeal. Review of the CE's work was deemed unnecessary because the CE had not been granted unescorted access and the CE had not performed any work that could impact nuclear quality or safety.

In the **follow-up** test category, one licensee employee (LE) tested positive. The LE's unescorted access was revoked. The LE was removed from site and permanently restricted from TVAN work. The LE requested that a split specimen test be performed. The split specimen test reconfirmed the positive test results. The LE did not request an appeal. A review of the LE's work was performed with no deficiencies revealed. The LE was subsequently terminated from employment effective October 19, 2001.

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

TENNESSEE VALLEY AUTHORITY	DECEMBER 31, 2001
Company	6 Months Ending
BROWNS FERRY NUCLEAR PLANT	
Location	
REBECCA A. STANFIELD	(423) 751-8822
Contact Name	Phone (include area code)
Cut-offs: Screen/Confirmation	
<input checked="" type="checkbox"/> Appendix A to 10 CFR 26 * 50 ng/ml initial cut-off	
Marijuana *	/ Amphetamines /
Cocaine	/ Phencyclidine /
Opiates	/ Alcohol(%BAC) /

*Specimens with a creatinine level less than 20 mg/dl are evaluated using a 20 ng/ml cutoff on the initial marijuana screen and the limit of quantitation as a cutoff on the GC/MS for marijuana metabolite.

Testing Results		Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access		1,225				311	
Categories		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		80	0	N/A	N/A	216	0
For Cause	Post-accident	0	0	N/A	N/A	0	0
	Observed behavior	1	0	N/A	N/A	0	0
Random		356	1	N/A	N/A	101	2
Follow-up		11	1	N/A	N/A	N/A	N/A
Other **		1	0	N/A	N/A	0	0
Total		449	2	N/A	N/A	317	2

** The other test category includes: transfer to TVAN from other TVA organizations; program integrity clearance/update; assignment to emergency response duties; and return-to-work (1)-TVA.

REV. 1/92

Breakdown of Confirmed Positive Tests for Specific Substances

	Marijuana	Cocaine	Opiates	Amphetamine	Phencyclidine	Alcohol	Refusal to test	1	2	3	4	5	
Licensee Employees	0	1	0	0	0	1	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	
Short-Term Contractors	1	0	0	0	0	1	0	0	0	0	0	0	
Total	1	1	0	0	0	2	0	0	0	0	0	0	4

Cutoff Levels of Additional Drugs

DRUG NUMBER	SUBSTANCE	Cut-off 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

ENCLOSURE 3

SUMMARY OF MANAGEMENT ACTIONS FOR
SEQUOYAH NUCLEAR PLANT

In the **pre-access** test category, seven CEs tested positive. One of the seven CEs tested positive for two substances. The CEs were denied access, removed from site, returned to the contract company, and restricted from TVA Nuclear (TVAN) work for three years. Four of the CEs requested that a split specimen test be performed. The split specimen tests reconfirmed the positive test results. One of the CEs requested an appeal. The appeal upheld the positive test results.

In the **follow-up** testing category, one LE tested positive. The LE's unescorted access was revoked. The LE was removed from site and permanently restricted from TVAN work. The LE requested that a split specimen test be performed. The split specimen test reconfirmed the positive test results. The LE requested an appeal. The appeal upheld the positive test results. A review of the LE's work was performed with no deficiencies identified. The LE was subsequently terminated from employment effective November 23, 2001.

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

TENNESSEE VALLEY AUTHORITY		DECEMBER 31, 2001	
Company		6 Months Ending	
SEQUOYAH NUCLEAR PLANT			
Location			
REBECCA A. STANFIELD		(423) 751-8822	
Contact Name		Phone (include area code)	
Cut-offs:Screen/Confirmation		<input checked="" type="checkbox"/> Appendix A to 10 CFR 26 * 50 ng/ml initial cut-off	
Marijuana *	/	Amphetamines	/
Cocaine	/	Phencyclidine	/
Opiates	/	Alcohol(%BAC)	/

*Specimens with a creatinine level less than 20 mg/dl are evaluated using a 20 ng/ml cutoff on the initial marijuana screen and the limit of quantitation as a cutoff on the GC/MS for marijuana metabolite.

Testing Results		Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access		1,358		N/A		521	
Categories		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		110	0	N/A	N/A	871	7
For Cause	Post-accident	0	0	N/A	N/A	4	0
	Observed behavior	0	0	N/A	N/A	1	0
Random		339	0	N/A	N/A	173	0
Follow-up		11	1	N/A	N/A	N/A	N/A
Other **		1	0	N/A	N/A	0	0
Total		461	1	N/A	N/A	1,049	7

** The other test category includes: transfer to TVAN from other TVA organizations; program integrity clearance/update; assignment to emergency response duties (1)-TVA; and return-to-work.

REV. 1/92

Breakdown of Confirmed Positive Tests for Specific Substances

	Marijuana	Cocaine	Opiates	Amphe- tamines	Phency- clidine	Alcohol	Refusal to test	1	2	3	4	5	
Licensee Employees	0	1	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	
Short-Term Contractors	6	2	0	0	0	0	0	0	0	0	0	0	
Total	6	3	0	0	0	0	0	0	0	0	0	0	9

Cutoff Levels of Additional Drugs

DRUG NUMBER	SUBSTANCE	Cut-off 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

ENCLOSURE 4

SUMMARY OF MANAGEMENT ACTIONS FOR
WATTS BAR NUCLEAR PLANT

In the **pre-access** test category, two CEs tested positive. The CEs were denied access, removed from site, returned to the contract company, and restricted from TVA Nuclear (TVAN) work for three years. Neither of the CEs requested that a split specimen test be performed. Neither CE requested an appeal.

In the **random** testing category, one licensee foreman (LF) tested positive. The LF's unescorted access was revoked. The LF was suspended from work for 14 days and referred to the Employee Assistance Program. A review of the LF's work was performed with no deficiencies identified. The LF did not request that a split specimen test be performed. The LF did not request an appeal. The LF was returned to a non-nuclear organization and restricted from TVAN work for three years.

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

TENNESSEE VALLEY AUTHORITY		DECEMBER 31, 2001	
Company		6 Months Ending	
WATTS BAR NUCLEAR PLANT			
Location			
REBECCA A. STANFIELD		(423) 751-8822	
Contact Name		Phone (include area code)	
Cut-offs: Screen/Confirmation		<input checked="" type="checkbox"/> Appendix A to 10 CFR 26 * 50 ng/ml initial cut-off	
Marijuana *	/	Amphetamines	/
Cocaine	/	Phencyclidine	/
Opiates	/	Alcohol(%BAC)	/

*Specimens with a creatinine level less than 20 mg/dl are evaluated using a 20 ng/ml cutoff on the initial marijuana screen and the limit of quantitation as a cutoff on the GC/MS for marijuana metabolite.

Testing Results		Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access		979		N/A		291	
Categories		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		30	0	N/A	N/A	165	2
For Cause	Post-accident	0	0	N/A	N/A	0	0
	Observed behavior	2	0	N/A	N/A	0	0
Random		256	1	N/A	N/A	79	0
Follow-up		9	0	N/A	N/A	N/A	N/A
Other **		1	0	N/A	N/A	0	0
Total		298	1	N/A	N/A	244	2

** The other test category includes: transfer to TVAN from other TVA organizations; program integrity clearance/update; assignment to emergency response duties; and, return-to-work (1)-TVA.

REV. 1/92

Breakdown of Confirmed Positive Tests for Specific Substances

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

Cutoff Levels of Additional Drugs

DRUG NUMBER	SUBSTANCE	Cut-off 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

ENCLOSURE 5

SUMMARY OF MANAGEMENT ACTIONS FOR
CORPORATE TVA NUCLEAR (TVAN) OFFICES AND BELLEFONTE NUCLEAR PLANT (BLN)

There were no positive tests in the Corporate TVAN Offices and BLN during this reporting period.

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

TENNESSEE VALLEY AUTHORITY		DECEMBER 31, 2001	
Company		6 Months Ending	
CORPORATE OFFICES (CHATTANOOGA, KNOXVILLE, BELLEFONTE, AND OTHER)			
Location			
REBECCA A. STANFIELD		(423) 751-8822	
Contact Name		Phone (include area code)	
Cut-offs:Screen/Confirmation		<input checked="" type="checkbox"/> Appendix A to 10 CFR 26 * 50 ng/ml initial cut-off	
Marijuana *	/	Amphetamines	/
Cocaine	/	Phencyclidine	/
Opiates	/	Alcohol(%BAC)	/

*Specimens with a creatinine level less than 20 mg/dl are evaluated using a 20 ng/ml cutoff on the initial marijuana screen and the limit of quantitation as a cutoff on the GC/MS for marijuana metabolite.

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		188	0	N/A	N/A	13	0
Follow-up		2	0	N/A	N/A	N/A	N/A
Other ***		3	0	N/A	N/A	6	0
Total		193	0	N/A	N/A	19	0

** Persons assigned to the corporate organization or Bellefonte, but with unescorted access at a TVAN site, are included in the average for the site or sites where they hold the unescorted access authorization.

*** The other test category includes: employment (5)-contract; transfer to TVAN from other TVA organizations (1)-TVA; program integrity clearance/update (1)-contract; assignment to emergency response duties (2)-TVA; and, return to work.

REV. 1/92

Breakdown of Confirmed Positive Tests for Specific Substances

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

Cutoff Levels of Additional Drugs

DRUG NUMBER	SUBSTANCE	Cut-off 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

ENCLOSURE 6

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

EVENTS	DATE OF NOTIFICATION	JOB TITLE	SUBSTANCE	METHOD DISCOVERED	ACTION TAKEN
01-002	August 16, 2001	Contract Supervisor	Alcohol	Random testing at BFN	The individual's unescorted access was revoked. The individual was removed from site, returned to the contract company, and restricted from TVA Nuclear (TVAN) work for three years. A review of the individual's work was performed with no deficiencies identified.
01-003	August 27, 2001	Licensee Manager (duties included supervising)	Alcohol	Random testing at BFN	The individual's unescorted access authorization was revoked. The individual was removed from site, referred to Employee Assistance Program (EAP), and suspended for 14 days. A review of the individual's work was performed with no deficiencies identified. The individual returned to work during this reporting period and was placed in the follow-up testing program.
01-004	December 26, 2001	Licensee Foreman	Marijuana	Random testing at WBN	The individual's unescorted access was revoked. The individual was suspended from work for 14 days and referred to the EAP. A review of the individual's work was performed with no deficiencies identified. The individual was returned to a non-nuclear organization and restricted from TVAN work for three years.