



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

August 20, 2001

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

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 2001

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, 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 one FFD event 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

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cc (Enclosures):

(Via NRC Electronic Distribution)

Mr. Ronald W. Hernan, Senior Project Manager
U.S. Nuclear Regulatory Commission
MS 08 G9
One White Flint, North
11555 Rockville Pike
Rockville, Maryland 20852-2739

Mr. William O. Long, Senior Project Manager
U.S. Nuclear Regulatory Commission
MS 08 G9
One White Flint, North
11555 Rockville Pike
Rockville, Maryland 20852-2739

Mr. L. Mark Padovan, Senior Project Manager
U.S. Nuclear Regulatory Commission
MS 08 G9
One White Flint, North
11555 Rockville Pike
Rockville, Maryland 20852-2739

Mr. Luis Reyes, Regional Administrator
U.S. Nuclear Regulatory Commission
Region II
Sam Nunn Atlanta Federal Center
61 Forsyth Street, SW, Suite 23T85
Atlanta, Georgia 30303-8931

NRC Senior Resident Inspector
Browns Ferry Nuclear Plant
10833 Shaw Road
Athens, Alabama 35611

NRC Senior Resident Inspector
Sequoyah Nuclear Plant
2600 Igou Ferry Road
Soddy Daisy, Tennessee 37379-3624

NRC Senior Resident Inspector
Watts Bar Nuclear Plant
1260 Nuclear Plant Road
Spring City, Tennessee 37381

ENCLOSURE 1

TENNESSEE VALLEY AUTHORITY (TVA)
FITNESS FOR DUTY (FFD) PERFORMANCE DATA
JANUARY 1-JUNE 30, 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 (TVAN) screened 57 specimens at the lower cutoff for marijuana during this reporting period. There was one positive test identified from this group.

JANUARY 1-JUNE 30, 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 0.36 percent (10 positive tests) which is 0.23 percent lower than the last reporting period. The rate of random confirmed positives was 0.34 percent (5 positive tests) which is 0.06 percent higher than the last reporting period. For this reporting period there is no adverse trend regarding this positive rate since the percentage increase in the rate of random confirmed positives (0.06) is statistically insignificant.

ENCLOSURE 2

SUMMARY OF MANAGEMENT ACTIONS FOR
BROWNS FERRY NUCLEAR PLANT

In the **pre-access** test category, four contract employees (CEs) tested positive. The CEs were denied access, removed from site, returned to the contract company, and restricted from TVAN work for three years. Two of the CEs requested that a split specimen test be performed. The split specimen tests reconfirmed the positive test results. None of the CEs requested an appeal.

In the **random** test category, one CE who had been requested for 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. A review of the CE's work was performed with no deficiencies revealed. The CE requested that a split specimen test be performed. The split specimen test reconfirmed the positive test results. The CE did not request an appeal.

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

TENNESSEE VALLEY AUTHORITY	JUNE 30, 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		1,244				492	
Categories		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		87	0	N/A	N/A	858	4
For Cause	Post-accident	0	0	N/A	N/A	0	0
	Observed behavior	0	0	N/A	N/A	3	0
Random		352	0	N/A	N/A	141	1
Follow-up		11	0	N/A	N/A	N/A	N/A
Other **		4	0	N/A	N/A	0	0
Total		454	0	N/A	N/A	1,002	5

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

Breakdown of Confirmed Positive Tests for Specific Substances

	Marjuana	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	4*	1	0	0	0	0	0	0	0	0	0	0	
Total	4	1	0	0	0	0	0	0	0	0	0	0	5

* One of these specimens tested negative at the 50 ng/ml cutoff limit, but positive using the 20 ng/ml cutoff limit.

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 **random** testing category, two licensee employee (LEs) tested positive. The LEs' unescorted access were revoked. Both LEs were removed from site, suspended from work for 14 days and referred to the Employee Assistance Program. Reviews of the LEs' work were performed with no deficiencies revealed. The first LE did not request a confirmatory blood alcohol test nor an appeal. The first LE returned to work during this reporting period and was placed in the follow-up testing program. The second LE requested that a split specimen test be performed. The split specimen test reconfirmed the positive test results. The second LE did not request an appeal. The second LE was returned to a non-nuclear organization and restricted from TVAN work for three years. The second LE was subsequently terminated from employment effective May 9, 2001.

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

TENNESSEE VALLEY AUTHORITY	JUNE 30, 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		1,269		N/A		265	
Categories		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		66	0	N/A	N/A	149	0
For Cause	Post-accident	0	0	N/A	N/A	0	0
	Observed behavior	1	0	N/A	N/A	0	0
Random		359	2	N/A	N/A	86	0
Follow-up		9	0	N/A	N/A	N/A	N/A
Other **		2	0	N/A	N/A	0	0
Total		437	2	N/A	N/A	235	0

** 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 (2)-TVA.

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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	1	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	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	1	0	1	0	0	0	0	0	0	2

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 **random** testing category, two LEs tested positive. The LEs' unescorted access were revoked. In addition, one of the LEs held a Department of Energy (DOE) clearance, and this clearance was also revoked (reference Enclosure 6). The LEs were removed from site, suspended for 14 days and referred to the Employee Assistance Program. Reviews of the LEs' work were performed with no deficiencies identified. Neither LE requested that a split specimen test be performed. Neither LE requested an appeal. The LE whose DOE clearance was revoked returned to work during this reporting period and was placed in the follow-up testing program. The second LE did not return to work during this reporting period.

In the **for-cause** 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. A review of work was performed with no deficiencies identified. The LE did not request a confirmatory blood alcohol test. The LE requested an appeal. The appeal upheld the positive test results. The LE's termination from employment was effective April 6, 2001.

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

TENNESSEE VALLEY AUTHORITY		JUNE 30, 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	
		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Average Number with Unescorted Access		984		N/A		242	
Categories		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		28	0	N/A	N/A	86	0
For Cause	Post-accident	0	0	N/A	N/A	0	0
	Observed behavior	0	1	N/A	N/A	1	0
Random		268	2	N/A	N/A	88	0
Follow-up		5	0	N/A	N/A	N/A	N/A
Other **		2	0	N/A	N/A	1	0
Total		303	3	N/A	N/A	176	0

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

Breakdown of Confirmed Positive Tests for Specific Substances

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

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 TVAN OFFICES AND BELLEFONTE NUCLEAR PLANT

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

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

TENNESSEE VALLEY AUTHORITY	JUNE 30, 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		153	0	N/A	N/A	21	0
Follow-up		3	0	N/A	N/A	N/A	N/A
Other ***		13	0	N/A	N/A	1	0
Total		169	0	N/A	N/A	22	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 (8)-contract; transfer to TVAN from other TVA organizations (1)-TVA; program integrity clearance/update (1)-contract; assignment to emergency response duties (4)-TVA; and, return to work.

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
01-001	January 12, 2001	Licensee Acting Supervisor	Marijuana	Random testing at WBN	The individual's unescorted access and Department of Energy clearances were revoked. The individual was removed from site, referred to the Employee Assistance Program and suspended for 14 days. A review of the individual's work was performed, and no problems were identified. The individual returned to work during this reporting period and was placed in the follow-up testing program.