



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

August 26, 2002

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 2002

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, 2002. 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. There were no 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

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cc (Enclosures):

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Athens, Alabama 35611

NRC Senior Resident Inspector
Sequoyah Nuclear Plant
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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, 2002

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 135 specimens at the lower cutoff for marijuana during this reporting period. One positive test was identified from this group.

JANUARY 1-JUNE 30, 2002

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 0.59 percent (27 positive tests) which is 0.10 percent higher than the last reporting period. This 0.10 percent increase in the positive test rate for all categories is primarily attributed to the large increases in pre-access testing associated with Browns Ferry Nuclear Plant's (BFN) and Watts Bar Nuclear Plant's (WBN) outages (i.e., 12 short-term contractor personnel testing positive during "Pre-Access" testing at BFN and 7 short-term contractor personnel testing positive during "Pre-Access" testing at WBN) and the number of first-time nuclear workers attempting to check in. The rate of random confirmed positives was 0.22 percent (four positive tests) which is 0.04 percent lower than the last reporting period.

ENCLOSURE 2

SUMMARY OF MANAGEMENT ACTIONS FOR
BROWNS FERRY NUCLEAR PLANT

In the **pre-access** test category, 12 contract employees (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. Eight of the CEs requested that a split specimen test be performed. The split specimen tests reconfirmed the positive test results. Three of the CEs requested an appeal. The appeals upheld the positive test results.

Also in the **pre-access** test category, one CE was detected attempting to subvert the Fitness for Duty (FFD) testing process by substitution and one CE was detected attempting to subvert the FFD testing process by adulteration. After submitting an out-of-range (high) temperature specimen, the first CE submitted a required witnessed specimen. The witnessed specimen tested positive. Due to the adulteration, the second CE's test results could not be reported as negative or positive. Both CEs were denied access, removed from the site, returned to the contract company, and permanently restricted from TVAN work. The first CE did not request that a split specimen test be performed and TVAN procedures prohibit split specimen testing for adulterated specimens, as in the case of the second CE. Neither of the CEs requested an appeal.

Also in the **pre-access** category, one CE refused to submit a specimen. The CE submitted an out-of-range (low) temperature specimen. After being advised by the collector that a witnessed specimen was required, the CE refused to cooperate by leaving the collection facility and site without permission. The CE was denied access and permanently restricted from TVAN work. The CE did not request an appeal.

In the **random** test category, one licensee employee (LE) and two CEs tested positive. The LE's unescorted access and the CEs' unescorted access were revoked. The LE was removed from site, suspended from work for 14 days and referred to the Employee Assistance Program. The LE did not request a confirmatory blood alcohol test nor an appeal. Review of the LE's work was performed and no deficiencies were identified. The LE did not return to work during this reporting period. The CEs were removed from site, returned to the contract company, and restricted from TVAN work for three years. Both CEs requested that a split specimen test be performed. The split specimen tests reconfirmed the positive test results. Both CEs requested an appeal. The appeals upheld the positive test results. Review of the CEs' work was performed and no deficiencies were identified.

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

TENNESSEE VALLEY AUTHORITY	JUNE 30, 2002
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		1,265				749	
Categories		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		72	0	N/A	N/A	1,268	12
For Cause	Post-accident	0	0	N/A	N/A	0	0
	Observed behavior	1	0	N/A	N/A	1	0
Random		338	1	N/A	N/A	294	2
Follow-up		10	0	N/A	N/A	0	0
Other **		1	0	N/A	N/A	0	0
Total		422	1	N/A	N/A	1,563	14

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

*** Both long-term and short-term contractors are included in the "Short-Term Contractor Personnel" category in accordance with NUMARC letter to NUMARC Administrative Points of Contacts, dated August 10, 1989.

Breakdown of Confirmed Positive Tests for Specific Substances

	Marjuana	Cocaine	Opiates	Amphetamine	Phencyclidine	Alcohol	Refusal to test	1	2	3	4	5	
Licensee Employees	0	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	11*	2	0	1	0	0	1	0	0	0	0	0	
Total	11	2	0	1	0	1	1	0	0	0	0	0	16

* One specimen from this category 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 **pre-access** test category, three 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. One of the CEs requested that a split specimen test be performed. The split specimen test reconfirmed the positive test results. None of the CEs requested an appeal.

Also in the **pre-access** test category, one CE was detected attempting to subvert the Fitness for Duty testing process by adulteration. Due to the adulteration, the CE's test results could not be reported as negative or positive. The CE was denied access, removed from the site, returned to the contract company, and permanently restricted from TVAN work. TVAN procedures prohibit split specimen testing for adulterated specimens. The CE did not request an appeal.

In the **for-cause** testing category, one CE tested positive. The CE's unescorted access was revoked. The CE was removed from site and permanently restricted from TVAN work. A review of the CE's work was performed with no deficiencies identified. The CE did not request a confirmatory blood alcohol test. The CE requested an appeal. The appeal upheld the positive test results.

In the **random** testing category, one CE tested positive. The CE's unescorted access was revoked. The CE was 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 identified. The CE did not request a confirmatory blood alcohol test nor an appeal.

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

TENNESSEE VALLEY AUTHORITY	JUNE 30, 2002
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		1,385		N/A		584	
Categories		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		40	0	N/A	N/A	445	3
For Cause	Post-accident	0	0	N/A	N/A	1	0
	Observed behavior	0	0	N/A	N/A	2	1
Random		326	0	N/A	N/A	226	1
Follow-up		7	0	N/A	N/A	0	0
Other **		0	0	N/A	N/A	0	0
Total		373	0	N/A	N/A	674	5

** 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.

*** Both long-term and short-term contractors are included in the "Short-Term Contractor Personnel" category in accordance with NUMARC letter to NUMARC Administrative Points of Contacts, dated August 10, 1989.

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Breakdown of Confirmed Positive Tests for Specific Substances

	Marjuana	Cocaine	Opiates	Amphetarunes	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	2	0	0	0	0	3	0	0	0	0	0	0	
Total	2	0	0	0	0	3	0	0	0	0	0	0	5

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, seven CEs tested positive. The CEs were denied access, removed from site, returned to the contract company, and restricted from TVA Nuclear 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.

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

TENNESSEE VALLEY AUTHORITY	JUNE 30, 2002
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		1,005		N/A		412	
Categories		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		40	0	N/A	N/A	837	7
For Cause	Post-accident	0	0	N/A	N/A	0	0
	Observed behavior	0	0	N/A	N/A	0	0
Random		270	0	N/A	N/A	130	0
Follow-up		6	0	N/A	N/A	0	0
Other **		1	0	N/A	N/A	1	0
Total		317	0	N/A	N/A	968	7

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

*** Both long-term and short-term contractors are included in the "Short-Term Contractor Personnel" category in accordance with NUMARC letter to NUMARC Administrative Points of Contacts, dated August 10, 1989.

Breakdown of Confirmed Positive Tests for Specific Substances

	Manjuana	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	7	0	0	0	0	0	0	0	0	0	0	0	
Total	7	0	0	0	0	0	0	0	0	0	0	0	7

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		JUNE 30, 2002	
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		195	0	N/A	N/A	28	0
Follow-up		3	0	N/A	N/A	0	0
Other ***		11	0	N/A	N/A	20	0
Total		209	0	N/A	N/A	48	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 (1)-TVA, (19)-contract; transfer to TVAN from other TVA organizations (1)-contract; program integrity clearance/update (1)-TVA; assignment to emergency response duties (9)-TVA; and, return to work.

**** Both long-term and short-term contractors are included in the "Short-Term Contractor Personnel" category in accordance with NUMARC letter to NUMARC Administrative Points of Contacts, dated August 10, 1989.

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