



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

August 29, 2008

10 CFR 26.71(d)

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

Gentlemen:

In the Matter of)	50-259	50-327
Tennessee Valley Authority)	50-260	50-328
		50-296	50-390
			50-391

**TENNESSEE VALLEY AUTHORITY (TVA) - FITNESS FOR DUTY (FFD) PROGRAM
PERFORMANCE DATA: JANUARY - JUNE, 2008**

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, 2008. Enclosure 1 summarizes the testing results under TVA's FFD Program that occurred during this 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). There were no FFD events reported to the NRC pursuant to 10 CFR 26.73 during the six-month period.

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

If you have any questions concerning this information, please contact Fred Mashburn at (423) 751-8817.

Sincerely,

Beth A. Wetzel
Manager, Corporate Nuclear Licensing
and Industry Affairs

cc : See page 2

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NRR

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FCM:RPS

Enclosures

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Athens, Alabama 35611-6970

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 37381-4696

ENCLOSURE 1

TENNESSEE VALLEY AUTHORITY (TVA) FITNESS FOR DUTY (FFD) PERFORMANCE DATA JANUARY 1 – JUNE 30, 2008

The following summarizes testing results under TVA's FFD Program that occurred during this reporting period:

I. 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

During this reporting period, TVA Nuclear Power Group (NPG) screened 187 specimens at the lower cutoff for marijuana. There were four positive tests identified from this group.

II. 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 (34 positive tests) which is 0.12 percent higher than the last reporting period. The rate of random confirmed positives was 0.27 percent (6 positive tests) which is 0.03 percent higher than the last reporting period.

ENCLOSURE 2

SUMMARY OF MANAGEMENT ACTIONS FOR BROWNS FERRY NUCLEAR PLANT

In the **pre-access** test category, thirteen contract employees (CEs) tested positive. The CEs were denied access, removed from site, and returned to the contract company. Twelve CEs were restricted from TVA (NPG) work for three years. One CE was permanently restricted from NPG work because of previous positive test results. Ten CEs requested that split specimen testing be performed. The split specimen tests reconfirmed the positive test results.

In the **for-cause (observed behavior/reasonable suspicion)** test category, two CEs tested positive and were also detected attempting to subvert the Fitness for Duty testing process. One of the CEs tested positive for two substances. The CEs initially presented out-of-temperature pre-access test specimens that tested negative and subsequent for-cause observed specimens that tested positive. The CEs were denied access, removed from site, returned to the contract company, and permanently restricted from TVA NPG work. One CE requested that split specimen testing be performed. The split specimen test reconfirmed the positive test results. Review of the CEs' work was deemed unnecessary because neither had been granted unescorted access and neither had performed any work that could impact nuclear quality or safety.

Also in the **for-cause (observed behavior/reasonable suspicion)** test category, one CE refused to provide a required observed specimen after providing an out-of-temperature pre-access test specimen. This CE was denied access, removed from site, returned to the contract company, and permanently restricted from TVA NPG work. A review of the CE's work was deemed unnecessary because the CE had not been granted unescorted access and had not performed any work that could impact nuclear quality or safety.

In the **random** test category, two licensee employees (LEs) and one CE tested positive. The LEs' unescorted access was revoked. The LEs were removed from site, suspended for a minimum of 14 days, and referred to the Employee Assistance Program. One LE returned to work during this reporting period, had unescorted access reinstated, and was placed in the follow-up alcohol and drug testing program. One LE's employment was terminated due to the positive test result having occurred during the LE's probationary employment period. The CE was denied access, returned to the contract company and restricted from NPG work for three years. One LE requested that split specimen testing be performed. The split specimen test reconfirmed the positive test results. Reviews of the LEs' work did not identify any deficiencies. A review of the CE's work was deemed unnecessary because the CE had not been granted unescorted access and had not performed any work that could impact nuclear quality or safety.

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

TENNESSEE VALLEY AUTHORITY		JUNE 30, 2008	
Company		6 Months Ending	
BROWNS FERRY NUCLEAR PLANT			
Location			
REBECCA A. CHRISTNER		(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		1,296				1,274	
Categories		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		95	0	N/A	N/A	1,491	13
For Cause	Post-accident	5	0	N/A	N/A	9	0
	Observed behavior	5	0	N/A	N/A	23	2
Random		400	2	N/A	N/A	436	1
Follow-up		43	0	N/A	N/A	23	0
Other **		2	0	N/A	N/A	0	0
Total		550	2	N/A	N/A	1,982	16

**The other test category includes: return-to-work-(1); assignment to emergency response duties (1).

***Both long-term and short-term contractors are included in the "Short-Term Contractor Personnel" category.

Breakdown of Confirmed Positive Tests for Specific Substances

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal to test	1	2	3	4	
Licensee Employees	1	0	0	0	0	1	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	
Short-Term Contractors	11	3	0	1	0	2	1	0	0	0	0	
Total	12*	3	0	1	0	3	1	0	0	0	0	20

* Two specimens 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	300
2	Benzodiazepines	300	300
3	Methadone	300	300
4	Propoxyphene	300	300

ENCLOSURE 3

SUMMARY OF MANAGEMENT ACTIONS FOR SEQUOYAH NUCLEAR PLANT

In the **pre-access** test category, three CEs tested positive. One of the CEs tested positive for two substances. The CEs were denied access, removed from site, returned to the contract company, and restricted from TVA NPG work for three years. Two CEs requested that split specimen testing be performed. The split specimen tests reconfirmed the positive test results.

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

TENNESSEE VALLEY AUTHORITY	JUNE 30, 2008
Company	6 Months Ending
SEQUOYAH NUCLEAR PLANT	
Location	
REBECCA A. CHRISTNER	(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		1,070		N/A		599	
Categories		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		142	0	N/A	N/A	678	3
For Cause	Post-accident	4	0	N/A	N/A	1	0
	Observed behavior	4	0	N/A	N/A	1	0
Random		287	0	N/A	N/A	207	0
Follow-up		15	0	N/A	N/A	10	0
Other **		2	0	N/A	N/A	0	0
Total		454	0	N/A	N/A	897	3

**The other test category includes: program integrity clearance (FFD Program Administration).

***Both long-term and short-term contractors are included in the "Short-Term Contractor Personnel" category.

Breakdown of Confirmed Positive Tests for Specific Substances

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal to test	1	2	3	4	
Licensee Employees	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	
Short-Term Contractors	3	0	0	1	0	0	0	0	0	0	0	
Total	3	0	0	1	0	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	300
2	Benzodiazepines	300	300
3	Methadone	300	300
4	Propoxyphene	300	300

ENCLOSURE 4

SUMMARY OF MANAGEMENT ACTIONS FOR WATTS BAR NUCLEAR PLANT

In the **pre-access** test category, five CEs tested positive. One of the CEs tested positive for two substances. The CEs were denied access, removed from site, returned to the contract company, and restricted from TVA NPG work for three years. One CE requested that a confirmatory blood alcohol test be performed. The blood alcohol test reconfirmed the positive test results. Three CEs requested that split specimen testing be performed. The split specimen tests reconfirmed the positive test results.

In the **for-cause (observed behavior/reasonable suspicion)** test category, one LE and two CEs tested positive. The LE and one of the CEs were also detected attempting to subvert the Fitness for Duty testing process by substitution. The LE initially presented an out-of-temperature follow-up test specimen that tested negative and a subsequent for-cause observed specimen that tested positive. One CE initially presented an out-of-temperature pre-access test specimen that tested negative and a subsequent for-cause observed specimen that tested positive. The LE and CEs were denied access and removed from site. The LE was permanently restricted from NPG work. The CEs were returned to the contract company. The CE detected attempting to subvert the testing process was permanently restricted from NPG work. The remaining CE was restricted from NPG work for three years. The LE requested that split specimen testing be performed. The split specimen test reconfirmed the positive test results. A review of the LE's work did not identify any deficiencies. Review of the CEs' work was deemed unnecessary because the CEs had not been granted unescorted access and had not performed any work that could impact nuclear quality or safety.

In the **random** test category, three CEs tested positive. The CEs' unescorted access was revoked. The CEs were removed from site, returned to the contract company and restricted from NPG work for three years. The three CEs requested that split specimen testing be performed. The split specimen tests reconfirmed the positive test results. Reviews of the CEs' work did not identify any deficiencies.

In the **follow-up** test category, one LE and one CE tested positive. The LE's and CE's unescorted access was revoked. The LE was removed from site, suspended for a minimum of 14 days, and referred to the Employee Assistance Program. The LE did not return to work during this reporting period. The CE was removed from site, returned to the contract company and permanently restricted from TVA NPG work because of previous positive test results. The LE and CE requested that split specimen testing be performed. The split specimen tests reconfirmed the positive test results. Reviews of the LE's and CE's work did not identify any deficiencies.

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

TENNESSEE VALLEY AUTHORITY	JUNE 30, 2008
Company	6 Months Ending
WATTS BAR NUCLEAR PLANT	
Location	
REBECCA A. CHRISTNER	(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		930		N/A		1,257	
Categories		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		170	0	N/A	N/A	1,903	5
For Cause	Post-accident	1	0	N/A	N/A	13	0
	Observed behavior	1	1	N/A	N/A	6	2
Random		233	0	N/A	N/A	418	3
Follow-up		4	1	N/A	N/A	10	1
Other**		4	0	N/A	N/A	0	0
Total		413	2	N/A	N/A	2,350	11

** The other test category includes: return-to-work-(2); program integrity clearance (FFD Program Administration)-(2).

*** Both long-term and short-term contractors are included in the "Short-Term Contractor Personnel" category.

Breakdown of Confirmed Positive Tests for Specific Substances

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal to test	1	2	3	4	
Licensee Employees	1	1	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	
Short-Term Contractors	6	1	0	3	0	2	0	0	0	0	0	
Total	7*	2	0	3	0	2	0	0	0	0	0	14

* Two specimens 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	300
2	Benzodiazepines	300	300
3	Methadone	300	300
4	Propoxyphene	300	300

ENCLOSURE 5

SUMMARY OF MANAGEMENT ACTIONS FOR
CORPORATE TVA NUCLEAR POWER GROUP (NPG) OFFICES

There were no positive tests in the Corporate TVA NPG offices during this reporting period.

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

TENNESSEE VALLEY AUTHORITY		JUNE 30, 2008	
Company		6 Months Ending	
CORPORATE OFFICES (CHATTANOOGA, KNOXVILLE, AND OTHER)			
Location			
REBECCA A. CHRISTNER		(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		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		165	0	N/A	N/A	64	0
Follow-up		3	0	N/A	N/A	0	0
Other ****		15	0	N/A	N/A	1	0
Total		183	0	N/A	N/A	65	0

** Persons assigned to corporate locations, but with unescorted access at a TVA nuclear power plant site, are included in the average for the site or sites where they hold the unescorted access authorization.

*** Both long-term and short-term contractors are included in the "Short-Term Contractor Personnel" category.

****The other test category includes: assignment to emergency response duties - (4); program integrity clearance (FFD Program Administration - (11) TVA, (1) contract.

Breakdown of Confirmed Positive Tests for Specific Substances

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal to test	1	2	3	4	
Licensee Employees	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	
Short-Term Contractors	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	300
2	Benzodiazepines	300	300
3	Methadone	300	300
4	Propoxyphene	300	300