



Tennessee Valley Authority  
1101 Market Street, LP 3R  
Chattanooga, Tennessee 37402-2801

**R. M. Krich**  
Vice President  
Nuclear Licensing

February 26, 2010

10 CFR 26.717

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

Browns Ferry Nuclear Plant, Units 1, 2, and 3  
Facility Operating License Nos. DPR-33, DPR-52, and DPR-68  
NRC Docket Nos. 50-259, 50-260, and 50-296

Sequoyah Nuclear Plant, Units 1 and 2  
Facility Operating License Nos. DPR-77 and DPR-79  
NRC Docket Nos. 50-327 and 50-328

Watts Bar Nuclear Plant, Unit 1  
Facility Operating License No. NPF-90  
NRC Docket No. 50-390

Watts Bar Nuclear Plant, Unit 2  
Construction Permit No. CPPR-92  
NRC Docket No. 50-391

**Subject: FITNESS FOR DUTY PROGRAM PERFORMANCE DATA FOR  
JANUARY THROUGH DECEMBER 2009**

In accordance with 10 CFR 26.717, paragraph (e), this letter and enclosures provide the Tennessee Valley Authority's (TVA's) Fitness for Duty Program Performance Data for January through December 2009. Due to the recent rule change, this data is now submitted to NRC annually, by March 1 of the following calendar year. TVA's random testing rate of drug and alcohol use is performed in accordance with the requirements prescribed in 10 CFR 26.31(d)(vii).

Enclosure 1 contains a summary of TVA's Fitness for Duty performance data for January through December 2009. Enclosures 2, 3, and 4 contain management actions and a summary of the performance data for site personnel subject to 10 CFR 26 during the reporting period at each of TVA's licensed operating facilities. Enclosure 5 contains a summary of performance data for personnel located in the Corporate Offices (primarily, Chattanooga and Knoxville, Tennessee) and subject to 10 CFR 26. Enclosure 6 contains a list of 10 CFR 26.719 events that were reported during the reporting period.

A021  
NRK

U.S. Nuclear Regulatory Commission  
Page 2  
February 26, 2010

Enclosure 7 contains the information required under 10 CFR 26.203, paragraph (e)(1) and (e)(2) on the subject of work hour control waivers for individual workers.

There are no new regulatory commitments made by this letter. Please direct any questions concerning this matter to Rob Brown at (423) 751-7228.

Respectfully,



R. M. Krich

Enclosures:

1. Tennessee Valley Authority (TVA) Fitness for Duty Performance Data for January through December 2009
2. Summary of Management Actions and Fitness for Duty Program Performance Data for Browns Ferry Nuclear Plant
3. Summary of Management Actions and Fitness for Duty Program Performance Data for Sequoyah Nuclear Plant
4. Summary of Management Actions and Fitness for Duty Program Performance Data for Watts Bar Nuclear Plant
5. Summary of Management Actions and Fitness for Duty Program Performance Data for TVA's Corporate Offices
6. Summary of Fitness for Duty Events Reported to the Nuclear Regulatory Commission Operations Center
7. Fatigue Management Summary for 2009: Browns Ferry, Sequoyah and Watts Bar Nuclear Plants

Enclosures:

cc (Enclosures):

NRC Regional Administrator - Region II  
NRC Senior Resident Inspector - Browns Ferry Nuclear Plant  
NRC Senior Resident Inspector - Sequoyah Nuclear Plant  
NRC Senior Resident Inspector - Watts Bar Nuclear Plant Unit 1  
NRC Senior Resident Inspector - Watts Bar Nuclear Plant Unit 2

## ENCLOSURE 1

### TENNESSEE VALLEY AUTHORITY (TVA) FITNESS FOR DUTY PERFORMANCE DATA FOR JANUARY THROUGH DECEMBER 2009

The following summarizes testing results for personnel under TVA's Fitness for Duty Program that occurred during this reporting period:

#### I. TVA's "Re-screening of Specimens"

Reference: TVA's letter to NRC dated February 28, 1997, "Fitness for Duty Performance Report"

##### Summary

By the above referenced letter, TVA informed the NRC of TVA's policy to rescreen specimens with creatinine levels of less than 20 mg/dl. During the reporting period, TVA's Nuclear Power Group screened 392 specimens at the lower cutoff level for marijuana. There were 5 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 0.46 percent (e.g., 54 positive results out of 11,688 tests). The rate of random confirmed positives was 0.38 percent (e.g., 18 positive results out of 4,719 tests).

Note: The last reporting period covered the 6 month period from July 2008 through December 2008. Due to the recent rule change, the current reporting is 12 months from January through December for the reporting year. The report date is required to be submitted by March 1 of the following calendar year in accordance with 10 CFR 26.717, paragraph (e).

## ENCLOSURE 2

### SUMMARY OF MANAGEMENT ACTIONS AND FITNESS FOR DUTY PROGRAM PERFORMANCE DATA FOR BROWNS FERRY NUCLEAR PLANT

In the pre-access test category, 8 contract employees (CEs) tested positive. The CEs were denied access, removed from site and returned to the contract company.

- 6 CEs were restricted from TVA's Nuclear Power Group work for 3 years.
- 2 CEs were permanently restricted from TVA's Nuclear Power Group work due to previous positive test results.
- 6 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, 2 CEs tested positive. The 2 CEs were denied access, removed from site, returned to the contract company, and restricted from TVA's Nuclear Power Group work for 3 years.

- 1 contract employee (CE) was tested prior to March 31, 2009, and therefore requested a confirmatory blood alcohol test in accordance 10 CFR 26, Appendix A, Subpart B, "2.4 Specimen Collection Procedures," paragraph (g)(19). The option to request a confirmatory blood alcohol test was omitted from the rule (10 CFR 26) for positive tests results after March 31, 2009. The blood alcohol test reconfirmed the positive test results. Review of the CE's work did not identify any discrepancies.
- 1 CE requested an appeal. The appeal review upheld the original conclusion.

In the **random** test category, 3 CEs and 3 licensee employees (LEs) tested positive.

- The CEs were denied access, removed from site, returned to the contract company, and restricted from TVA's Nuclear Power Group work for 3 years.
- The LEs were denied access and removed from the site. 2 LEs were terminated due to their probationary employment status.
- 1 LE was suspended for a minimum of 14 days and referred to the Employee Assistance Program. This LE is currently suspended and being reassessed.
- Reviews of the CEs' and LEs' work did not identify any discrepancies.
- The 3 CEs requested that additional 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  
COMPANY

12/31/09  
12 MONTHS ENDING

BROWNS FERRY NUCLEAR PLANT  
LOCATION

RONALD L. CASEY  
CONTACT NAME

423-751-7923  
PHONE (INCLUDING AREA CODE)

CUTOFFS: SCREEN/CONFIRMATION (ng/ml)		
ALCOHOL (% BAC) 0.04%	COCAINE 300/150	PHENCYCLIDINE 25/25
AMPHETAMINES 1000/500	*MARIJUANA 50/15	**OPIATES 2000/2000

\* 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.

\*\*New/revised cut-off levels for opiates were implemented by TVA on 3/31/09 (10 CFR 26.163).

Testing Results		Licensee Employees		Long-Term **** Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access		1,453				814	
Categories		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		253	0	N/A	N/A	1549	8
For Cause	Post-Event	8	0	N/A	N/A	4	0
	Observed behavior	4	0	N/A	N/A	5	2
Random		903	3	N/A	N/A	509	3
Follow-up		58	0	N/A	N/A	20	0
Other ***		0	0	N/A	N/A	0	0
Total		1226	3	N/A	N/A	2087	13

\*\*\* No tests were conducted under the "Other" test category.

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

### Breakdown of Confirmed Positive Tests for Specific Substances- Browns Ferry Nuclear Plant

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal to test	Adulterated Specimen	Substituted Specimen	1	2	3	4
Licensee Employees	0	0	0	0	0	3	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	4	0	0	0	0	0	0	0
Total	7*	3	0	0	0	7	0	0	0	0	0	0	0

17

\* 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 AND FITNESS FOR DUTY PROGRAM PERFORMANCE DATA FOR SEQUOYAH NUCLEAR PLANT

In the **pre-access** test category, 14 contract employees (CEs) tested positive. The CEs were denied access, removed from site and returned to the contract company.

- 13 of the CEs were restricted from TVA's Nuclear Power Group work for 3 years.
- 1 of the CEs was restricted from TVA's Nuclear Power Group work for 5 years because of uncooperative behavior during the Medical Review Officer's evaluation.
- 9 CEs requested that split specimen testing be performed. The split specimen tests reconfirmed the positive test results.
- 2 of the CEs requested an appeal. The appeal review upheld the original conclusion.

Also in the **pre-access** test category:

- 1 CE refused to continue the testing after providing an inadequate urine sample.
- 1 CE attempted to subvert the testing process by substituting another urine specimen for their sample. The CE requested that split specimen testing be performed. The split specimen tests reconfirmed the substitution.
- The 2 CEs were denied access, removed from site, returned to the contract company, and permanently restricted from TVA's Nuclear Power Group work.

In the **for-cause (observed behavior/reasonable suspicion)** test category, 3 CEs tested positive.

- 2 CEs were denied access, removed from site, returned to the contract company, and restricted from TVA's Nuclear Power Group work for 3 years.
- 1 CE was denied access, removed from site, returned to the contract company, and permanently restricted from TVA's Nuclear Power Group work for attempting to subvert the testing process by substituting another urine specimen for their own. 1 of the CEs requested an appeal. The appeal review upheld the original conclusion.

In the **random** test category, 1 CE tested positive. The CE was denied access, removed from site, returned to the contract company, and restricted from TVA's Nuclear Power Group work for 5 years due to their resignation during the Medical Review Officer's review period.

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

TENNESSEE VALLEY AUTHORITY  
COMPANY

12/31/09  
12 MONTHS ENDING

SEQUOYAH NUCLEAR PLANT  
LOCATION

RONALD L. CASEY  
CONTACT NAME

423-751-7923  
PHONE (INCLUDING AREA CODE)

CUTOFFS: SCREEN/CONFIRMATION (ng/ml)		
ALCOHOL (% BAC) 0.04%	COCAINE 300/150	PHENCYCLIDINE 25/25
AMPHETAMINES 1000/500	*MARIJUANA 50/15	**OPIATES 2000/2000

\* 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.

\*\*New/revised cut-off levels for opiates were implemented by TVA on 3/31/09. (10 CFR 26.163)

Testing Results		Licensee Employees		Long-Term **** Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access		1184		N/A		588	
Categories		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		279	0	N/A	N/A	1641	14
For Cause	Post-Event	8	0	N/A	N/A	9	0
	Observed behavior	4	0	N/A	N/A	7	3
Random		630	0	N/A	N/A	300	1
Follow-up		20	0	N/A	N/A	18	0
Other ***		0	0	N/A	N/A	0	0
Total		941	0	N/A	N/A	1975	18

\*\*\* No tests were conducted under the "Other" test category.

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

**Breakdown of Confirmed Positive Tests for Specific Substances- Sequoyah Nuclear Plant**

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal to test	Adulterated Specimen	Substituted Specimen	1	2	3	4	
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	12	1	0	2	0	3	1	0	2	0	0	0	0	
<b>Total</b>	<b>12*</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21</b>

\*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 4

### SUMMARY OF MANAGEMENT ACTIONS AND FITNESS FOR DUTY PROGRAM PERFORMANCE DATA FOR WATTS BAR NUCLEAR PLANT

In the **pre-access** test category, 3 contract employees (CEs) tested positive. The CEs were denied access, removed from site, returned to the contract company, and restricted from TVA's Nuclear Power Group work for 3 years.

- 2 CEs requested that split specimen testing be performed. The split specimen tests reconfirmed the positive test results.

Also in the **pre-access** test category, 1 contract employee (CE) refused to continue the testing after failing to provide an initial urine sample. The CE was denied access, removed from site, returned to the contract company, and permanently restricted from TVA's Nuclear Power Group work.

In the **for-cause (observed behavior/reasonable suspicion)** test category, 4 CEs and 1 licensee employee (LE) tested positive.

- 1 CE was denied access, removed from site, returned to the contract company, and permanently restricted from TVA's Nuclear Power Group work due to having illegal drugs inside the protected area. Review of the CE's work did not identify any discrepancies. This event was reported to the NRC under 10 CFR 26.719 as Event No. 44752.
- 1 CE was denied access, removed from site, returned to the contract company, and permanently restricted from TVA's Nuclear Power Group work for attempting to subvert the testing process by substituting another urine specimen for their own. No review of work was conducted because the for-cause testing was based on an out of temperature test on a pre-access test.
- 1 CE was denied access, removed from site, returned to the contract company and restricted from TVA's Nuclear Power Group work for 3 years. The CE requested an appeal. The appeal review upheld the original conclusion. Review of the CE's work did not identify any discrepancies.
- 1 CE was denied access, removed from site, returned to the contract company and restricted from TVA's Nuclear Power Group work for 3 years. No review of work was conducted because the "for-cause" testing was based on a smell of alcohol prior to the pre-access test.
- 1 LE tested positive. The LE'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 returned to work during the reporting period and was placed in the follow-up alcohol and drug testing program. Review of the LE's work did not identify any discrepancies.

In the **random** test category, 7 CEs and 3 LEs tested positive.

- The 3 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. 2 LEs returned to work during this reporting period and were placed in the follow-up alcohol and drug testing program. The other LE did not return to work during the reporting period. Reviews of the LEs' work did not identify any discrepancies. 1 of the LEs requested that split specimen testing be performed. The split specimen test reconfirmed the positive test results.
- 6 of the CEs were denied access, removed from site, returned to the contract company, and restricted from TVA's Nuclear Power Group work for 3 years. Review of their work did not identify any discrepancies.
- 1 CE was permanently restricted from TVA's Nuclear Power Group work because of previous positive test results. Review of the CE's work did not identify any discrepancies.
- 1 CE requested that split specimen testing be performed. The split specimen test reconfirmed the positive test results.
- 2 CEs with confirmed positive tests were supervisory personnel and therefore, were reported to the NRC (Event Report Nos. 45215 and 45531) in accordance with 10 CFR 26.719.

In the **follow-up** test category, 1 CE tested positive. The CE's unescorted access was revoked. The CE was removed from the site, returned to the contract company, and restricted from TVA's Nuclear Power Group work for 3 years. Review of the CE's work did not identify any deficiencies.

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

TENNESSEE VALLEY AUTHORITY  
COMPANY

12/31/09  
12 MONTHS ENDING

WATTS BAR NUCLEAR PLANT  
LOCATION

RONALD L. CASEY  
CONTACT NAME

423-751-7923  
PHONE (INCLUDING AREA CODE)

CUTOFFS: SCREEN/CONFIRMATION (ng/ml)		
ALCOHOL (% BAC) 0.04%	COCAINE 300/150	PHENCYCLIDINE 25/25
AMPHETAMINES 1000/500	*MARIJUANA 50/15	**OPIATES 2000/2000

\* 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.

\*\*New/revised cut-off levels for opiates were implemented by TVA on 3/31/09. (10 CFR 26.163)

Testing Results		Licensee Employees		Long-Term **** Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access		1,150		N/A		2,146	
Categories		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		261	0	N/A	N/A	2665	3
For Cause	Post-event	3	0	N/A	N/A	9	0
	Observed behavior	5	1	N/A	N/A	13	4
Random		627	3	N/A	N/A	1144	7
Follow-up		15	0	N/A	N/A	57	1
Other***		0	0	N/A	N/A	0	0
Total		911	4	N/A	N/A	3,888	15

\*\*\* The other test category includes: Program Integrity Clearance (FITNESS FOR DUTY 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- Watts Bar Nuclear Plant**

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal to test	Adulterated Specimen	Substituted Specimen	1	2	3	4	
Licensee Employees	1	1	0	1	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	8	0	0	1	0	6	1	0	1	0	0	0	0	
Total	9*	1	0	2	0	7	1	0	1	0	0	0	0	21

\*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	300
2	Benzodiazepines	300	300
3	Methadone	300	300
4	Propoxyphene	300	300

## ENCLOSURE 5

### SUMMARY OF MANAGEMENT ACTIONS AND FITNESS FOR DUTY PROGRAM PERFORMANCE DATA FOR TVA'S CORPORATE OFFICES

In the **random** test category, 1 contract employee (CE) tested positive. The CE was denied access, returned to the contract company, and restricted from TVA's Nuclear Power Group work for 3 years.

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

TENNESSEE VALLEY AUTHORITY  
COMPANY

12/31/09  
12 MONTHS ENDING

CORPORATE OFFICES (CHATTANOOGA, KNOXVILLE, AND OTHERS)  
LOCATION

RONALD L. CASEY  
CONTACT NAME

423-751-7923  
PHONE (INCLUDING AREA CODE)

CUTOFFS: SCREEN/CONFIRMATION (ng/ml)					
ALCOHOL (% BAC)	0.04%	COCAINE	300/150	PHENCYCLIDINE	25/25
AMPHETAMINES	1000/500	*MARIJUANA	50/15	**OPIATES	2000/2000

\* 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.

\*\*New/revised cut-off levels for opiates were implemented by TVA on 3/31/09. (10 CFR 26.163)

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		21	0	N/A	N/A	8	0
For Cause	Post-event	0	0	N/A	N/A	0	0
	Observed behavior	0	0	N/A	N/A	0	0
Random		311	0	N/A	N/A	295	1
Follow-up		10	0	N/A	N/A	4	0
Other *****		9	0	N/A	N/A	2	0
Total		351	0	N/A	N/A	309	1

\*\*\* 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 - (7) TVA and (1) contractor; program integrity clearance (FITNESS FOR DUTY Program Administration)- (2) TVA, (1) contractor.

**Breakdown of Confirmed Positive Tests for Specific Substances- Corporate Offices (Chattanooga, Knoxville and Others)**

	Marijuana	Cocaine	Opiates	Amphe- tamines	Phency- clidine	Alcohol	Refusal to test	Adulterated Specimen	Substituted Specimen	1	2	3	4	
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	0	1	0	0	0	0	0	0	0	0	0	0	0	
Total	0	1	0	0	0	0	0	0	0	0	0	0	0	1

**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 6**

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

<b>EVENTS</b>	<b>DATE OF NOTIFICATION</b>	<b>TVA JOB RELATIONSHIP</b>	<b>SUBSTANCE</b>	<b>METHOD DISCOVERED</b>	<b>ACTION TAKEN</b>
09-001 (NRC Event No. 44752)	January 5, 2009	Contractor	Illegal substances (schedule IV drugs without prescription) found inside the Protected Area.	Credible allegation at Watts Bar Nuclear Plant	The individual's unescorted access was revoked. The individual was removed from site and terminated. An associated message/alert was posted in the PADS. A review of the individual's work was performed with no deficiencies identified.
09-002 (NRC Event No. 45215)	July 21, 2009	Contractor	Confirmed positive for alcohol during a random test. This event involved supervisory personnel.	Random test at Watts Bar Nuclear Plant	The individual's unescorted access was revoked. The individual was removed from site, returned to the contract company, and restricted from TVA's Nuclear Power Group work for 3 years. A review of the individual's work was performed with no deficiencies identified.
09-003 (NRC Event No. 45531)	December 1, 2009	Contractor	Confirmed positive for illegal drug during a random test. This event involved supervisory personnel.	Random test at Watts Bar Nuclear Plant	The individual's unescorted access was revoked. The individual was removed from site, returned to the contract company, and restricted from TVA's Nuclear Power Group work for 3 years. A review of the individual's work was performed with no deficiencies identified.

**ENCLOSURE 7**

**FATIGUE MANAGEMENT SUMMARY FOR 2009:  
BROWNS FERRY, SEQUOYAH AND WATTS BAR NUCLEAR PLANTS**

## Fatigue Management Summary Watts Bar Nuclear Plant 2009

**Summary:**

No fatigue management waivers for individual workers were necessary during this period.

### Fatigue Management Data

Summary of Waiver Issuance 26.203(e)(1) (i-ii)														
Group	Number of Waivers Issued for Each Work Hour Control Limit													
	>16/24 hour period		>26/48 hour period		>72/7 day period		<8hr break		<10 hr break		< 34 hr break in any 9 day period		<Minimum Day Off Requirement	
	Online	Outage	Online	Outage	Online	Outage	Online	Outage	Online	Outage	Online	Outage	Online	Outage
Operations	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fire Brigade	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maintenance	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemistry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Health Physics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Security	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Distribution of Waivers for Individuals in Each Category – 26.203(e)(iii)						
Number of Waivers Issued	Operations	Fire Brigade	Maintenance	Chemistry	Health Physics	Security
1	0	0	0	0	0	0
2	0	0	0	0	0	0
greater than 2	0	0	0	0	0	0

**Summary of Corrective Actions – 26.203(e)2:**

None.

## Fatigue Management Summary Sequoyah Nuclear Plant 2009

### Summary:

One fatigue waiver and assessment for a worker was required at Sequoyah Nuclear Plant for an Operation's worker that had a less than 10 hour break while working more than 26 hours in a 48 hour period while the plant's units were online. A corrective action document was initiated to document the incident.

### Fatigue Management Data

Summary of Waiver Issuance 26.203(e)(1) (i-ii)														
Group	Number of Waivers Issued for Each Work Hour Control Limit													
	>16/24 hour period		>26/48 hour period		>72/7 day period		<8hr break		<10 hr break		< 34 hr break in any 9 day period		<Minimum Day Off Requirement	
	Online	Outage	Online	Outage	Online	Outage	Online	Outage	Online	Outage	Online	Outage	Online	Outage
Operations	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Fire Brigade	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maintenance	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemistry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Health Physics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Security	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	1	0	0	0	0	0	0	0	0	0	0	0

Distribution of Waivers for Individuals in Each Category – 26.203(e)(iii)						
Number of Waivers Issued	Operations	Fire Brigade	Maintenance	Chemistry	Health Physics	Security
1	1	0	0	0	0	0
2	0	0	0	0	0	0
greater than 2	0	0	0	0	0	0

### Summary of Corrective Actions – 26.203(e)2:

One fatigue assessment was performed for having less than a 10 hour break and more than 26 hours in 48 hours.

## Fatigue Management Summary Browns Ferry Nuclear Plant 2009

**Summary:**

No fatigue management waivers for individual workers were necessary during this period.

### Fatigue Management Data

Summary of Waiver Issuance 26.203(e)(1) (i-ii)														
Group	Number of Waivers Issued for Each Work Hour Control Limit													
	>16/24 hour period		>26/48 hour period		>72/7 day period		<8hr break		<10 hr break		< 34 hr break in any 9 day period		<Minimum Day Off Requirement	
	Online	Outage	Online	Outage	Online	Outage	Online	Outage	Online	Outage	Online	Outage	Online	Outage
Operations	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fire Brigade	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maintenance	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemistry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Health Physics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Security	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Distribution of Waivers for Individuals in Each Category – 26.203(e)(iii)						
Number of Waivers Issued	Operations	Fire Brigade	Maintenance	Chemistry	Health Physics	Security
1	0	0	0	0	0	0
2	0	0	0	0	0	0
greater than 2	0	0	0	0	0	0

**Summary of Corrective Actions – 26.203(e)2:**

None.