



August 22, 2005

United States Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D. C. 20555-0001

Serial No. 05-548  
NLOS/mbb  
Docket Nos. 50-280/281  
50-338/339  
50-245/336/423  
License Nos. DPR-32/37  
NPF-4/7  
NPF-49  
DPR-21/65

**DOMINION NUCLEAR CONNECTICUT, INC.**  
**VIRGINIA ELECTRIC AND POWER COMPANY**  
**SURRY POWER STATION UNITS 1 AND 2**  
**NORTH ANNA POWER STATION UNITS 1 AND 2**  
**MILLSTONE POWER STATION UNITS 1, 2 AND 3**  
**FITNESS-FOR-DUTY PROGRAM**  
**SEMI-ANNUAL PERFORMANCE DATA REPORT**

Enclosed is the Dominion Nuclear Connecticut, Inc. (DNC) and Virginia Electric and Power Company (Dominion) Semi-Annual Fitness-For-Duty (FFD) Program Performance Data report for January 1, 2005 through June 30, 2005. This report is submitted pursuant to 10 CFR 26.71(d).

Attachment 1 includes summaries of management sanctions imposed, actions completed to improve the program, events reported to the NRC, and our random testing rate. Attachment 2 contains the standard FFD data forms for Surry Power Station, North Anna Power Station, Innsbrook Technical Center (Corporate), Millstone Power Station, Westinghouse Electric Company and Institute of Nuclear Power Operations (INPO).

If you have any questions, please contact Mr. Dave Sommers at (804) 273-2823.

Very truly yours,

C. L. Funderburk, Director  
Nuclear Licensing and Operations Support  
Dominion Resources Services, Inc.  
for Dominion Nuclear Connecticut, Inc. and  
Virginia Electric and Power Company

Commitments made in this letter: None

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NRC Senior Resident Inspector  
Surry Power Station

Mr. J. T. Reece  
NRC Senior Resident Inspector  
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Mr. S. M. Schneider  
NRC Senior Resident Inspector  
Millstone Power Station

## **ATTACHMENT 1**

### **SUMMARY OF EVENTS AND MANAGEMENT ACTIONS**

# **SUMMARY OF MANAGEMENT SANCTIONS IMPOSED**

**JANUARY 1 THROUGH JUNE 30, 2005**

## **DOMINION EMPLOYEES**

### **RANDOM TESTS**

(Resulted in suspension of unescorted access, referral to EAP for treatment, and placement in follow-up testing program.)

Confirmed positive test for alcohol 1

### **PRE-ACCESS TESTS**

(Resulted in suspension of unescorted access, referral to EAP for treatment, and placement in follow-up testing program.)

Confirmed positive test for alcohol 1

## **CONTRACTOR EMPLOYEES**

### **PRE-ACCESS TESTS**

(Resulted in denial of unescorted access authorization.)

Confirmed positive tests for illegal drug 21

Failure to cooperate / Refusal to test 2

### **FOR-CAUSE TESTS**

(Resulted in revocation and denial of unescorted access authorization.)

Confirmed positive test for alcohol 2

### **FOLLOW-UP TESTS**

(Resulted in revocation and denial of unescorted access authorization.)

Confirmed positive tests for illegal drug 1

**SUMMARY OF MANAGEMENT ACTIONS  
COMPLETED TO IMPROVE THE FFD PROGRAM**

**JANUARY 1 THROUGH JUNE 30, 2005**

No significant changes were made to the Fitness for Duty Program during this reporting period.

## **SUMMARY OF EVENTS REPORTED TO THE NRC BY DOMINION**

**JANUARY 1 THROUGH JUNE 30, 2005**

On May 5, 2005, a NRC-licensed operator was tested for-cause at Millstone Power Station. Although the tested level was below the 10CFR26 cut-off level for alcohol and is not recorded as a positive test in this report, the individual was determined to be unfit for scheduled work activities. In accordance with 10CFR26.73(a) and (b), a 24-hour report was made to the NRC on May 5, 2005.

**DOMINION RANDOM TESTING RATE**  
**JANUARY 1 THROUGH JUNE 30, 2005**

**Dominion Random Testing Rate: 52.41%**

	<u><b>Employees</b></u>	<u><b>Contractors</b></u>
Surry Power Station	50.95%	54.55%
North Anna Power Station	52.84%	56.60%
Innsbrook Technical Center	51.49%	50.00%
Millstone Power Station	52.17%	53.13%



**ATTACHMENT 2**

**FFD DATA FORMS**

**SURRY POWER STATION**

**NORTH ANNA POWER STATION**

**INNSBROOK TECHNICAL CENTER**

**MILLSTONE POWER STATION**

**WESTINGHOUSE ELECTRIC COMPANY**

**INSTITUTE OF NUCLEAR POWER OPERATIONS**

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

**Virginia Electric and Power Company  
SURRY**

**06/30/2005  
Six Months Ending**

**Cutoffs: Screen / Confirmation (ng/ml)**

**Appendix A to 10 CFR 26**

Marijuana	50/15	Amphetamines	1000/500
Cocaine	300/150	Phencyclidine	25/25
Opiates	300/300	Alcohol (%BAC)	0.04%/0.04%

Testing Results	Licensee Employees		Contractor Personnel	
Average Number with Unescorted Access	997		341	
Categories	Number Tested	DHHS/NRC POSITIVE	Number Tested	DHHS/NRC POSITIVE
FOLLOW-UP	17	0	12	0
FOR-CAUSE OBSERVED	2	0	6	2
FOR-CAUSE POST EVENT	1	0	0	0
OTHER	0	0	0	0
PRE-ACCESS	84	0	569	4
PRE-ACCESS RANDOM	5	0	45	0
RANDOM FFD	254	0	93	0
RETURN TO DUTY	1	0	0	0
TOTAL	364	0	725	6

**Breakdown of Confirmed Positive Tests for Specific Substances**

**SURRY**

**06/30/2005**

	MARIJUANA	COCAINE	OPIATES	AMPHETAMINES	PHENCYCLIDIN	ALCOHOL	REFUSAL TO TEST
<b>Contractor</b>	1	3	0	0	0	2	0
<b>Employee</b>	0	0	0	0	0	0	0
<b>Total</b>	1	3	0	0	0	2	0

**Breakdown of Confirmed Positive Test for Marijuana  
(initial screen cut-off level = 50 ng/ml)**

	>=50 ng/ml <100 ng/ml	>=100 ng/ml
<b>Contractor</b>	1	0
<b>Employee</b>	0	0
<b>Total</b>	1	0

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

**Virginia Electric and Power Company  
NORTH ANNA**

**06/30/2005  
Six Months Ending**

**Cutoffs: Screen / Confirmation (ng/ml)**

**Appendix A to 10 CFR 26**

Marijuana	50/15	Amphetamines	1000/500
Cocaine	300/150	Phencyclidine	25/25
Opiates	300/300	Alcohol (%BAC)	0.04%/0.04%

Testing Results	Licensee Employees		Contractor Personnel	
Average Number with Unescorted Access	950		106	
Categories	Number Tested	DHHS/NRC POSITIVE	Number Tested	DHHS/NRC POSITIVE
FOLLOW-UP	20	0	0	0
FOR-CAUSE OBSERVED	2	0	1	0
FOR-CAUSE POST EVENT	5	0	2	0
OTHER	0	0	0	0
PRE-ACCESS	54	1	42	0
PRE-ACCESS RANDOM	4	0	2	0
RANDOM FFD	251	0	30	0
RETURN TO DUTY	3	0	0	0
<b>TOTAL</b>	<b>339</b>	<b>1</b>	<b>77</b>	<b>0</b>

**Breakdown of Confirmed Positive Tests for Specific Substances****NORTH ANNA****06/30/2005**

	MARIJUANA	COCAINE	OPIATES	AMPHETAMINES	PHENCYCLIDIN	ALCOHOL	REFUSAL TO TEST
Contractor	0	0	0	0	0	0	0
Employee	0	0	0	0	0	1	0
Total	0	0	0	0	0	1	0

**Breakdown of Confirmed Positive Test for Marijuana  
(initial screen cut-off level = 50 ng/ml)**

	>=50 ng/ml <100 ng/ml	>=100 ng/ml
Contractor	0	0
Employee	0	0
Total	0	0

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

**Dominion Resources Services, Inc.  
INNSBROOK**

**06/30/2005  
Six Months Ending**

**Cutoffs: Screen / Confirmation (ng/ml)**

**Appendix A to 10 CFR 26**

Marijuana	50/15	Amphetamines	1000/500
Cocaine	300/150	Phencyclidine	25/25
Opiates	300/300	Alcohol (%BAC)	0.04%/0.04%

Testing Results	Licensee Employees		Contractor Personnel	
Average Number with Unescorted Access	369		32	
Categories	Number Tested	DHHS/NRC POSITIVE	Number Tested	DHHS/NRC POSITIVE
FOLLOW-UP	0	0	0	0
FOR-CAUSE OBSERVED	0	0	0	0
FOR-CAUSE POST EVENT	0	0	0	0
OTHER	0	0	0	0
PRE-ACCESS	44	0	6	0
PRE-ACCESS RANDOM	1	0	0	0
RANDOM FFD	95	0	8	0
RETURN TO DUTY	0	0	0	0
<b>TOTAL</b>	<b>140</b>	<b>0</b>	<b>14</b>	<b>0</b>

**Breakdown of Confirmed Positive Tests for Specific Substances****INNSBROOK****06/30/2005**

	MARIJUANA	COCAINE	OPIATES	AMPHETAMINES	PHENCYCLIDIN	ALCOHOL	REFUSAL TO TEST
<b>Contractor</b>	0	0	0	0	0	0	0
<b>Employee</b>	0	0	0	0	0	0	0
<b>Total</b>	0	0	0	0	0	0	0

**Breakdown of Confirmed Positive Test for Marijuana  
(initial screen cut-off level = 50 ng/ml)**

	<b>&gt;=50 ng/ml &lt;100 ng/ml</b>	<b>&gt;=100 ng/ml</b>
<b>Contractor</b>	0	0
<b>Employee</b>	0	0
<b>Total</b>	0	0

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

**Dominion Nuclear Connecticut, Inc.  
MILLSTONE**

**06/30/2005  
Six Months Ending**

**Cutoffs: Screen / Confirmation (ng/ml)**

**Appendix A to 10 CFR 26**

Marijuana	50/15	Amphetamines	1000/500
Cocaine	300/150	Phencyclidine	25/25
Opiates	300/300	Alcohol (%BAC)	0.04%/0.04%

Testing Results	Licensee Employees		Contractor Personnel	
Average Number with Unescorted Access	1292		847	
Categories	Number Tested	DHHS/NRC POSITIVE	Number Tested	DHHS/NRC POSITIVE
FOLLOW-UP	13	0	32	1
FOR-CAUSE OBSERVED	2	0	4	0
FOR-CAUSE POST EVENT	2	0	6	0
OTHER	2	0	7	0
PRE-ACCESS	86	0	880	17
PRE-ACCESS RANDOM	0	0	28	0
RANDOM FFD	337	1	225	0
RETURN TO DUTY	1	0	0	0
<b>TOTAL</b>	<b>443</b>	<b>1</b>	<b>1182</b>	<b>18</b>



**Breakdown of Confirmed Positive Tests for Specific Substances**

**MILLSTONE**

**06/30/2005**

	MARIJUANA	COCAINE	OPIATES	AMPHETAMINES	PHENCYCLIDIN	ALCOHOL	REFUSAL TO TEST
<b>Contractor</b>	11	9	0	0	0	0	2
<b>Employee</b>	0	0	0	0	0	1	0
<b>Total</b>	11	9	0	0	0	1	2

**Breakdown of Confirmed Positive Test for Marijuana**

**(initial screen cut-off level = 50 ng/ml**

	>=50 ng/ml <100 ng/ml	>=100 ng/ml
<b>Contractor</b>	6	5
<b>Employee</b>	0	0
<b>Total</b>	6	5

**Westinghouse Fitness for Duty Program  
Performance Data  
Personnel Subject to 10CFR26**



**Customer:** Dominion Generation - Surry and North Anna Power Stations

<b>1</b> Westinghouse Electric Company LLC <div style="text-align: center; border-top: 1px solid black; border-bottom: 1px solid black;">Company</div>	<b>2</b> June 30, 2005 <div style="text-align: center; border-top: 1px solid black; border-bottom: 1px solid black;">Six months ending</div>																								
<b>3</b> PO Box 158, BIN 38, Madison, PA 15663 <div style="text-align: center; border-top: 1px solid black; border-bottom: 1px solid black;">Location</div>																									
<b>4</b> Peter J. Defilippi / Victoria R. Pancurak <div style="text-align: center; border-top: 1px solid black; border-bottom: 1px solid black;">Contact Name</div>	<b>5</b> 724-722-5721/5718 <div style="text-align: center; border-top: 1px solid black; border-bottom: 1px solid black;">Phone (include area code)</div>																								
<b>6</b> Cutoffs: Screen/Confirmation (ng/ml) <input type="checkbox"/> Appendix A to 10CFR26  <table style="width: 100%; border-collapse: collapse;"> <tr> <td>Marijuana</td><td>20/15</td><td>Amphetamines</td><td>300/300</td><td>Barbiturates</td><td>300/300</td></tr> <tr> <td>Cocaine</td><td>300/150</td><td>Phencyclidine</td><td>25/25</td><td>Benzodiazepines</td><td>300/300</td></tr> <tr> <td>Opiates</td><td>300/300</td><td>Alcohol (% BAC)</td><td>0.04%</td><td>Methadone</td><td>300/300</td></tr> <tr> <td></td><td></td><td></td><td></td><td>Methaqualone</td><td>300/300</td></tr> </table>		Marijuana	20/15	Amphetamines	300/300	Barbiturates	300/300	Cocaine	300/150	Phencyclidine	25/25	Benzodiazepines	300/300	Opiates	300/300	Alcohol (% BAC)	0.04%	Methadone	300/300					Methaqualone	300/300
Marijuana	20/15	Amphetamines	300/300	Barbiturates	300/300																				
Cocaine	300/150	Phencyclidine	25/25	Benzodiazepines	300/300																				
Opiates	300/300	Alcohol (% BAC)	0.04%	Methadone	300/300																				
				Methaqualone	300/300																				

Testing Results	Westinghouse Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel		
Average Number with Unescorted Access	<b>7</b>	700	0	0	840	840	
Categories	<b>8</b>	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		1	0	0	0	0	0
For Cause	Post accident	0	0	0	0	0	0
	Observed behavior	0	0	0	0	0	0
Random		0	0	0	0	0	0
Follow-up		0	0	0	0	0	0
Other		0	0	0	0	0	0
Total		1	0	0	0	0	0

## Breakdown of Confirmed Positive Tests for Specific Substances

<b>9</b>	<b>Marijuana</b>	<b>Cocaine</b>	<b>Opiates</b>	<b>Amphe- tamines</b>	<b>Phency- clidine</b>	<b>Alcohol</b>	<b>Refusal to Test</b>	<b>Adulterants</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	
<b>Employees</b>	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Long-Term Contractors</b>	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Short-Term Contractors</b>	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	<b>0</b>

### LEGEND

- 1 = Barbiturates
- 2 = Benzodiazepines
- 3 = Methadone
- 4 = Methaqualone

**Westinghouse Fitness for Duty Program  
Performance Data  
Personnel Subject to 10CFR26**



**Customer:**           Dominion Nuclear Connecticut, Inc (Millstone)          

<b>1</b> Westinghouse Electric Company LLC <hr/> Company	<b>2</b> June 30, 2005 <hr/> Six months ending
<b>3</b> P.O. Box 158, BIN 38, Madison, PA 15663 <hr/> Location	
<b>4</b> Peter J. Defilippi / Victoria R. Pancurak <hr/> Contact Name	<b>5</b> 724-722-5721 / 5718 <hr/> Phone (include area code)
<b>6</b> Cutoffs: Screen/Confirmation (ng/ml) <input type="checkbox"/> Appendix A to 10CFR26	
Marijuana      20/15 Cocaine        300/150 Opiates        300/300	Amphetamines      300/300 Phencyclidine      25/25 Alcohol (% BAC)    0.04%
	Barbiturates      300/300 Benzodiazepines    300/300 Methadone        300/300 Methaqualone      300/300

Testing Results		Westinghouse Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel		
Average Number with Unescorted Access		<b>7</b>	700	0		840		
Categories		<b>8</b>	# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		4	0	0	0	0	0	
Cause	For Post accident	0	0	0	0	0	0	
	Observed behavior	0	0	0	0	0	0	
Random		0	0	0	0	0	0	
Follow-up		0	0	0	0	0	0	
Other		0	0	0	0	0	0	
<b>Total</b>		4	0	0	0	0	0	

## Breakdown of Confirmed Positive Tests for Specific Substances

<b>9</b>	<b>Marijuana</b>	<b>Cocaine</b>	<b>Opiates</b>	<b>Amphe- tamines</b>	<b>Phency- clidine</b>	<b>Alcohol</b>	<b>Refusal to Test</b>	<b>Adulterants</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	
<b>Employees</b>	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Long-Term Contractors</b>	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Short-Term Contractors</b>	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	<b>0</b>

### LEGEND

- 1 = Barbiturates
- 2 = Benzodiazepines
- 3 = Methadone
- 4 = Methaqualone

FITNESS-FOR-DUTY PROGRAM

# Performance Data Personnel Subject to 10CFR 26

Institute of Nuclear Power Operations  
COMPANY

6/30/05  
6 MONTHS ENDING

Atlanta, Georgia  
LOCATION

John Nielsen  
CONTACT NAME

770/644-8808  
PHONE (INCLUDING AREA CODE)

CUTOFFS: SCREEN/CONFIRMATION (ng/ml)

TESTING RATE: 50%

ALCOHOL (% BAC)	0.04%	COCAINE	300/150	PHENCYCLIDINE	25/25
AMPHETAMINES	1000/500	MARIJUANA	100/15 50/15	OPIATES	300/300

TESTING RESULTS		PERMANENT EMPLOYEES		LOANED EMPLOYEES	
AVERAGE NUMBER WITH UNESCORTED ACCESS		208.2		48.6	
CATEGORIES		# TESTED	# POSITIVE	# TESTED	# POSITIVE
PRE-ACCESS		24	0	26	0
FOR CAUSE	POST ACCIDENT	0	0	0	0
	OBSERVED BEHAVIOR	0	0	0	0
RANDOM		58	0	20	0
FOLLOW-UP		2	0	0	0
OTHER		0	0	0	0
TOTAL		84	0	46	0

**RANDOM TEST PROGRAM RESULTS**

INDIVIDUALS TESTED		2001		2002		2003		2004		2005
Number Positive		0	0	0	0	1	0	0	0	0
Number Negative		82	83	79	90	74	83	78	78	78
% POSITIVE		N/A	N/A	N/A	N/A	1.35%	N/A	N/A	N/A	N/A
GRAPH OF % POSITIVE	4									
	3									
	2									
	1					<				
	0									

**BREAKDOWN OF CONFIRMED POSITIVE TESTS FOR SPECIFIC SUBSTANCES**

	PERMANENT EMPLOYEES	LOANED EMPLOYEES	TOTAL
ALCOHOL	0	0	0
AMPHETAMINES	0	0	0
COCAINE	0	0	0
MARIJUANA	0	0	0
OPIATES	0	0	0
PHENCYCLIDINE	0	0	0