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U.S. Nuclear Regulatory Commission
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Subject: Duke Power Company LLC d/b/a Duke Energy Carolinas, LLC
Oconee Nuclear Station, Units 1, 2, and 3
NRC Docket Nos. 50-269, 50-270, 50-287
McGuire Nuclear Station, Units 1 and 2
NRC Docket Nos. 50-369, 50-370
Catawba Nuclear Station, Units 1 and 2
NRC Docket Nos. 50-413, 50-414
Fitness-For-Duty Program Performance Data Reports

Pursuant to 10 CFR 26.71(d), Duke Power Company LLC d/b/a Duke Energy Carolinas, LLC (Duke) hereby submits the Fitness-For-Duty Program Performance Data Reports for Oconee, McGuire and Catawba Nuclear Stations and the General Office. The reporting period covered by this submittal is July 1, 2006 through December 31, 2006.

Based on quantitative analysis accumulated from the testing laboratory results, which are recorded and maintained in Duke's Fitness for Duty database, this data is considered to be complete, accurate and consistent with industry and Duke program expectations.

This correspondence contains no regulatory commitments. Questions regarding these reports should be directed to Peter R. Fowler at 704-382-6188 or Dana Boies at 704-382-1694.

Very truly yours,

Dhiaa M. Jamil

Attachments

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

Duke Power Company LLC d/b/a Duke Energy Carolinas, LLC (Duke)		12/31/06
Company	6 Month Ending	
Catawba Nuclear Station		
Location		
Anita Barnette	(704) 382-4904	
Contact Name	Phone (Include area code)	

Cutoffs: Screen/Confirmation (ng/ml) ☐ Appendix A to 10 CFR 26

Marijuana 50 ng/ml / 15 ng/ml	Amphetamines 1000 ng/ml / 500 ng/ml	_____ /
Cocaine 300 ng/ml / 150 ng/ml	Phencyclidine 25 ng/ml / 25 ng/ml	_____ /
Opiates 300 ng/ml / 300 ng/ml	Alcohol (%BAC) .011-.039	_____ /

Testing Results	Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access	1243				732	
Categories	# Tested	# Positive (1)	# Tested	# Positive *	# Tested	# Positive (1)
Pre-Access	84	0			336	7
For Cause – Post Accident	3	0			5	0
For Cause – Observed Behavior	3	0			7	2
Random	376 (2)	0			227 (2)	0
Follow-up	9	0			9	0
Other	0	0			3	0
Total	475	0			587	9

Breakdown of Confirmed Positive Tests for Specific Substances – Catawba Nuclear Station
(for 6 Month Ending 12/31/06)

	Marijuana (1)	Cocaine	Opiates	Amphe- tamines	Phency- clidine	Alcohol (1)	Refusal To Test	1	2	3	4	5	
Licensee Employees	0	0	0	0	0	0	0						
Long-Term Contractors													
Short-Term Contractors	3	3	0	0	0	1	2						
Total	3	3	0	0	0	1	2						9

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**Fitness for Duty Program
Performance Data
Personnel Subject to 10CFR 26
(for Catawba Nuclear Station)
for 6 Month Ending 12/31/06**

Summary of Management Actions:

(Include initiatives taken, lessons learned, effectiveness evaluation, etc. as appropriate.)

General Note:

Duke randomly tests at a rate of at least 50% of the pool population.

Note (1):

Duke has more restrictive cut-off levels for Alcohol (due to range of extrapolation) and Marijuana. In the past, Duke has shown this detail on the Performance Data Report's first sheet. Beginning with the semi-annual report (period ending 06/30/01), Duke will provide a more detailed report that will indicate positive test results confirmed at the NRC cut-off level and Duke's cut-off level. This detailed report for the period ending 12/31/06 is attached (see Attachment B).

Note (2):

Duke has included Random Pre-Access screen numbers in the total random numbers on the initial sheet. The number of Random Pre-Access has been broken out on the detailed report (see Attachment B).

Summary Listing of Events Reported Under 10 CFR 26.73:

Date of Event	Position of Individual Involved	How Discovered	Substance Detected	Management Actions Taken
None during this reporting period				

**Fitness for Duty Program
Performance Data
Personnel Subject to 10CFR 26
(for Catawba Nuclear Station)
6 Month Ending – 12/31/06**

POSITIVE Cut-Off Level Detail Report (NRC / Duke Level)

Testing Results	Licensee Employees			Long-Term Contractor Personnel		Short-Term Contractor Personnel		
Average Number with Unescorted Access	1243					732		
Average Number in Random – Pre-Access Pool	4					34		
Categories	# Tested	# Positive (1)		# Tested	# Positive *	# Tested	# Positive (1)	
Pre-Access	84	NRC 0	Duke 0			336	NRC 6	Duke 1
For Cause – Post Accident	3	0	0			5	0	0
For Cause – Observed Behavior	3	0	0			7	1	1
Random - Badged	350	0	0			213	0	0
Random – Pre Access	26 (2)	0	0			14 (2)	0	0
Follow-up	9	0	0			9	0	0
Other	0	0	0			3	0	0
Total	475	0	0			587	7	2

SUBSTANCE Cut-Off Level Detail Report (NRC / Duke Level)

	Marijuana (1)		Cocaine	Opiates	Amphe- tamines	Phency- clidine	Alcohol (1)		Refusal to Test	1	2	3	4	5	TOTAL
	NRC	Duke					NRC	Duke							
Licensee Employees	0	0	0	0	0	0	0	0	0						0
Long-Term Contractors															
Short-Term Contractors	1	2	3	0	0	0	1	0	2						9
Total	1	2	3	0	0	0	1	0	2						9

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

Duke Power Company LLC d/b/a Duke Energy Carolinas, LLC (Duke)		12/31/06	
Company		6 Month Ending	
McGuire Nuclear Station			
Location			
Anita Barnette		(704) 382-4904	
Contact Name		Phone (Include area code)	

Cutoffs: Screen/Confirmation (ng/ml) ☐ Appendix A to 10 CFR 26

Marijuana 50 ng/ml / 15 ng/ml	Amphetamines 1000 ng/ml / 500 ng/ml	_____ /
Cocaine 300 ng/ml / 150 ng/ml	Phencyclidine 25 ng/ml / 25 ng/ml	_____ /
Opiates 300 ng/ml / 300 ng/ml	Alcohol (%BAC) .011-.039	_____ /

Testing Results	Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access	1332				638	
Categories	# Tested	# Positive (1)	# Tested	# Positive *	# Tested	# Positive (1)
Pre-Access	67	0			1110	8
For Cause – Post Accident	3	0			10	0
For Cause – Observed Behavior	0	0			1	0
Random	370 (2)	2			209 (2)	2
Follow-up	16	0			2	0
Other	2	0			1	0
Total	458	2			1333	10

Breakdown of Confirmed Positive Tests for Specific Substances – McGuire Nuclear Station
(for 6 Month Ending 12/31/06)

	Marijuana (1)	Cocaine	Opiates	Amphe- tamines	Phency- clidine	Alcohol (1)	Refusal To Test	1	2	3	4	5	
Licensee Employees	1	1	0	0	0	0	0						
Long-Term Contractors													
Short-Term Contractors	3	5	0	0	0	2	0						
Total	4	6	0	0	0	2	0						12

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**Fitness for Duty Program
Performance Data
Personnel Subject to 10CFR 26
(for McGuire Nuclear Station)
for 6 Month Ending 12/31/06**

Summary of Management Actions:

(Include initiatives taken, lessons learned, effectiveness evaluation, etc. as appropriate.)

General Note:

Duke randomly tests at a rate of at least 50% of the pool population.

Note (1):

Duke has more restrictive cut-off levels for Alcohol (due to range of extrapolation) and Marijuana. In the past, Duke has shown this detail on the Performance Data Report's first sheet. Beginning with the semi-annual report (period ending 06/30/01), Duke will provide a more detailed report that will indicate positive test results confirmed at the NRC cut-off level and Duke's cut-off level. This detailed report for the period ending 12/31/06 is attached (see Attachment B).

Note (2):

Duke has included Random Pre-Access screen numbers in the total random numbers on the initial sheet. The number of Random Pre-Access has been broken out on the detailed report (see Attachment B).

Summary Listing of Events Reported Under 10 CFR 26.73:

Date of Event	Position of Individual Involved	How Discovered	Substance Detected	Management Actions Taken
None during this reporting period.				

**Fitness for Duty Program
Performance Data
Personnel Subject to 10CFR 26
(for McGuire Nuclear Station)
6 Month Ending – 12/31/06**

POSITIVE Cut-Off Level Detail Report (NRC / Duke Level)

Testing Results	Licensee Employees			Long-Term Contractor Personnel		Short-Term Contractor Personnel		
Average Number with Unescorted Access	1332					638		
<i>Average Number in Random – Pre-Access Pool</i>	5					59		
Categories	# Tested	# Positive (1)		# Tested	# Positive *	# Tested	# Positive (1)	
Pre-Access	67	NRC 0	Duke 0			1110	NRC 8	Duke 0
For Cause – Post Accident	3	0	0			10	0	0
For Cause – Observed Behavior	0	0	0			1	0	0
Random - Badged	345	2	0			186	0	1
Random – Pre-Access	25 (2)	0	0			23 (2)	1	0
Follow-up	16	0	0			2	0	0
Other	2	0	0			1	0	0
Total	458	2	0			1333	9	1

SUBSTANCE Cut-Off Level Detail Report (NRC / Duke Level)

	Marijuana (1)		Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol (1)		Refusal to Test	1	2	3	4	5	TOTAL
	NRC	Duke					NRC	Duke							
Licensee Employees	1	0	1	0	0	0	0	0	0						2
Long-Term Contractors															
Short-Term Contractors	3	0	5	0	0	0	1	1	0						10
Total	4	0	6	0	0	0	1	1	0						12

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

Duke Power Company LLC d/b/a Duke Energy Carolinas, LLC (Duke)

12/31/06

Company

6 Month Ending

Oconee Nuclear Station

Location

Anita Barnette

(704) 382-4904

Contact Name

Phone (Include area code)

Cutoffs: Screen/Confirmation (ng/ml) ☐ Appendix A to 10 CFR 26

Marijuana	50 ng/ml / 15 ng/ml	Amphetamines	1000 ng/ml / 500 ng/ml	_____ /
Cocaine	300 ng/ml / 150 ng/ml	Phencyclidine	25 ng/ml / 25 ng/ml	_____ /
Opiates	300 ng/ml / 300 ng/ml	Alcohol (%BAC)	.011-.039	_____ /

Testing Results	Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access	1380				1105	
Categories	# Tested	# Positive (1)	# Tested	# Positive *	# Tested	# Positive (1)
Pre-Access	61	1			993	11
For Cause – Post Accident	0	0			1	0
For Cause – Observed Behavior	2	0			4	3
Random	364 (2)	1			327 (2)	1
Follow-up	19	0			19	0
Other	5	0			1	0
Total	451	2			1345	15

Breakdown of Confirmed Positive Tests for Specific Substances – Oconee Nuclear Station
(for 6 Month Ending 12/31/06)

	Marijuana (1)	Cocaine	Opiates	Amphe- tamines	Phency- clidine	Alcohol (1)	Refusal To Test	1	2	3	4	5	
Licensee Employees	0	0	0	1	0	0	1						
Long-Term Contractors													
Short-Term Contractors	4	4	0	5	0	1	2						
Total	4	4	0	6	0	1	3						18 *

* One individual positive for two substances.

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**Fitness for Duty Program
Performance Data
Personnel Subject to 10CFR 26
(for Oconee Nuclear Station)
for 6 Month Ending 12/31/06**

Summary of Management Actions:

(Include initiatives taken, lessons learned, effectiveness evaluation, etc. as appropriate.)

General Note:

Duke randomly tests at a rate of at least 50% of the pool population.

Note (1):

Duke has more restrictive cut-off levels for Alcohol (due to range of extrapolation) and Marijuana. In the past, Duke has shown this detail on the Performance Data Report's first sheet. Beginning with the semi-annual report (period ending 06/30/01), Duke will provide a more detailed report that will indicate positive test results confirmed at the NRC cut-off level and Duke's cut-off level. This detailed report for the period ending 12/31/06 is attached (see Attachment B).

Note (2):

Duke has included Random Pre-Access screen numbers in the total random numbers on the initial sheet. The number of Random Pre-Access has been broken out on the detailed report (see Attachment B).

Summary Listing of Events Reported Under 10 CFR 26.73:

Date of Event	Position of Individual Involved	How Discovered	Substance Detected	Management Actions Taken
None during this reporting period.				

**Fitness for Duty Program
Performance Data
Personnel Subject to 10CFR 26
(for McGuire Nuclear Station)
6 Month Ending – 12/31/06**

POSITIVE Cut-Off Level Detail Report (NRC / Duke Level)

Testing Results	Licensee Employees			Long-Term Contractor Personnel		Short-Term Contractor Personnel		
Average Number with Unescorted Access	1380					1105		
<i>Average Number in Random – Pre-Access Pool</i>	3					64		
Categories	# Tested	# Positive (1)		# Tested	# Positive *	# Tested	# Positive (1)	
Pre-Access	61	NRC 1	Duke 0			993	NRC 9	Duke 2
For Cause – Post Accident	0	0	0			1	0	0
For Cause – Observed Behavior	2	0	0			4	3	0
Random - Badged	350	1	0			306	0	1
Random – Pre-Access	14 (2)	0	0			21 (2)	0	0
Follow-up	19	0	0			19	0	0
Other	5	0	0			1	0	0
Total	451	2	0			1345	12	3

SUBSTANCE Cut-Off Level Detail Report (NRC / Duke Level)

	Marijuana (1)		Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol (1)		Refusal to Test	1	2	3	4	5	TOTAL
	NRC	Duke					NRC	Duke							
Licensee Employees	0	0	0	0	1	0	0	0	1						2
Long-Term Contractors															
Short-Term Contractors	1	3	4	0	5	0	1	0	2						16
Total	1	3	4	0	6	0	1	0	3						18*

* One individual positive for two substances.

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

Duke Power Company LLC d/b/a Duke Energy Carolinas, LLC (Duke)		12/31/06
Company	6 Month Ending	
General Office		
Location		
Anita Barnette		(704) 382-4904
Contact Name		Phone (Include area code)
Cutoffs: Screen/Confirmation (ng/ml) <input type="checkbox"/> Appendix A to 10 CFR 26		
Marijuana	50 ng/ml / 15 ng/ml	Amphetamines 1000 ng/ml / 500 ng/ml
Cocaine	300 ng/ml / 150 ng/ml	Phencyclidine 25 ng/ml / 25 ng/ml
Opiates	300 ng/ml / 300 ng/ml	Alcohol (%BAC) .011-.039

Testing Results	Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access	343					
Categories	# Tested	# Positive (1)	# Tested	# Positive *	# Tested	# Positive (1)
Pre-Access	24	0			0 (3)	0
For Cause – Post Accident	0	0			0	0
For Cause – Observed Behavior	0	0			0	0
Random	107 (2)	0			0	0
Follow-up	7	1			0	0
Other	0	0			0	0
Total	138	1			0 (3)	0

Breakdown of Confirmed Positive Tests for Specific Substances – Duke General Office
(for 6 Month Ending 12/31/06)

	Marijuana (1)	Cocaine	Opiates	Amphe- tamines	Phency- clidine	Alcohol (1)	Refusal To Test	1	2	3	4	5	
Licensee Employees	0	0	0	0	0	1	0						
Long-Term Contractors													
Short-Term Contractors	0	0	0	0	0	0	0						
Total	0	0	0	0	0	1	0						1

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**Fitness for Duty Program
Performance Data
Personnel Subject to 10CFR 26
(for Duke General Office)
for 6 Month Ending 12/31/06**

Summary of Management Actions:

(Include initiatives taken, lessons learned, effectiveness evaluation, etc. as appropriate.)

General Note:

Duke randomly tests at a rate of at least 50% of the pool population.

Note (1):

Duke has more restrictive cut-off levels for Alcohol (due to range of extrapolation) and Marijuana. In the past, Duke has shown this detail on the Performance Data Report's first sheet. Beginning with the last semi-annual report (period ending 06/30/01), Duke will provide a more detailed report that will indicate positive test results confirmed at the NRC cut-off level and Duke's cut-off level. This detailed report for the period ending 12/31/06 is attached (see Attachment B).

Note (2):

Duke has included Random Pre-Access screen numbers in the total random numbers on the initial sheet. The number of Random Pre-Access has been broken out on the detailed report (see Attachment B).

Note (3):

Duke approved the Pre-Access Testing portion of Westinghouse's Fitness for Duty Program effective August 3, 1999. The 0 Pre-Access screens reported under "Short Term Contractor Personnel" are being reported with Duke performance data as a result of accepting Westinghouse's program.

Summary Listing of Events Reported Under 10 CFR 26.73:

Date of Event	Position of Individual Involved	How Discovered	Substance Detected	Management Actions Taken
None during this reporting period				

**Fitness for Duty Program
Performance Data
Personnel Subject to 10CFR 26
(for Duke General Office)
for 6 Month Ending 12/31/06**

POSITIVE Cut-Off Level Detail Report (NRC / Duke Level)

Testing Results	Licensee Employees			Long-Term Contractor Personnel		Short-Term Contractor Personnel		
Average Number with Unescorted Access	343							
Average Number in Random Pre-Access Pool	3							
Categories	# Tested	# Positive (1)		# Tested	# Positive *	# Tested	# Positive (1)	
Pre-Access	24	NRC 0	Duke 0			0 (3)	NRC 0	Duke 0
For Cause – Post Accident	0	0	0			0	0	0
For Cause – Observed Behavior	0	0	0			0	0	0
Random - Badged	89	0	0			0	0	0
Random – Pre-Access	18 (2)	0	0			0	0	0
Follow-up	7	0	1			0	0	0
Other	0	0	0			0	0	0
Total	138	0	1			0 (3)	0	0

SUBSTANCE Cut-Off Level Detail Report (NRC / Duke Level)

	Marijuana (1)		Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol (1)		Refusal to Test	1	2	3	4	5	TOTAL
	NRC	Duke					NRC	Duke							
Licensee Employees	0	0	0	0	0	0	0	1	0						1
Long-Term Contractors															
Short-Term Contractors	0	0	0	0	0	0	0	0	0						0
Total	0	0	0	0	0	0	0	1	0						1