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February 27, 2009

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555-001

Subject: Duke Energy Carolinas, LLC (Duke)  
Oconee Nuclear Station Units 1, 2, and 3  
Docket Nos. 50-269/270/287  
McGuire Nuclear Station Units 1 and 2  
Docket Nos. 50-369/370  
Catawba Nuclear Station Units 1 and 2  
Docket Nos. 50-413/414  
Fitness-For- Duty Program Performance Data Reports

Pursuant to 10 CFR 26.71 (d) 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, 2008 through December 31, 2008.

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 P.R. Fowler at 704-382-6188 or T. J. Wadsworth at (704) 382-5836.

Sincerely,

A handwritten signature in black ink, appearing to be 'R. Jones', written over the word 'Sincerely,'.

Ronald A. Jones

Attachments

ADZ1  
NRR

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xc:

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A. Hutto, III  
NRC Senior Resident Inspector  
Oconee Nuclear Station

J. B. Brady  
NRC Senior Resident Inspector  
McGuire Nuclear Station

A. T. Sabisch  
NRC Senior Resident Inspector  
Catawba Nuclear Station

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

<b>Duke Power Company LLC d/b/a Duke Energy Carolinas, LLC (Duke)</b>		<b>12/31/08</b>
Company	6 Month Ending	
<b>Catawba Nuclear Station</b>		
Location		
<b>Anita Barnette</b>	<b>(704) 382-4904</b>	
Contact Name	Phone (Include area code)	
Cutoffs: Screen/Confirmation (ng/ml) <input type="checkbox"/> Appendix A to 10 CFR 26		
<b>Marijuana</b> 50 ng/ml / 15 ng/ml	<b>Amphetamines</b> 1000 ng/ml / 500 ng/ml	_____ /
<b>Cocaine</b> 300 ng/ml / 150 ng/ml	<b>Phencyclidine</b> 25 ng/ml / 25 ng/ml	_____ /
<b>Opiates</b> 300 ng/ml / 300 ng/ml	<b>Alcohol (%BAC)</b> .011-.039	_____ /

Testing Results	Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access	1281				689	
Categories	# Tested	# Positive (1)	# Tested	# Positive *	# Tested	# Positive (1)
Pre-Access	99	0			331	5
For Cause – Post Accident	0	0			4	0
For Cause – Observed Behavior	0	0			3	2
Random	369 (2)	2			200 (2)	2
Follow-up	20	0			6	0
Other	2	0			2	0
<b>Total</b>	490	2			546	9

**Breakdown of Confirmed Positive Tests for Specific Substances – Catawba Nuclear Station**  
**(for 6 Month Ending 12/31/08)**

	Marijuana (1)	Cocaine	Opiates	Amphetamine	Phencyclidine	Alcohol (1)	Refusal To Test	1	2	3	4	5	
Licensee Employees	1	0	0	0	0	1	0						
Long-Term Contractors													
Short-Term Contractors	3	2	0	0	0	3	1						
Total	4	2	0	0	0	4	1						11

**A**

**Fitness for Duty Program  
Performance Data  
Personnel Subject to 10CFR 26  
(for Catawba Nuclear Station)  
for 6 Month Ending 12/31/08**

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. Duke has provided a more detailed report indicating positive test results confirmed at the NRC cut-off level and Duke's cut-off level for the period ending 12/31/08 (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:

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

**Fitness for Duty Program  
Performance Data  
Personnel Subject to 10CFR 26  
(for Catawba Nuclear Station)  
6 Month Ending – 12/31/08**

**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	1281					689		
Average Number in Random – Pre-Access Pool	4					21		
Categories	# Tested	# Positive (1)		# Tested	# Positive *	# Tested	# Positive (1)	
Pre-Access	99	NRC 0	Duke 0			331	NRC 4	Duke 1
For Cause – Post Accident	0	0	0			4	0	0
For Cause – Observed Behavior	0	0	0			3	1	1
Random - Badged	352	0	1			183	0	0
Random – Pre Access	17 (2)	1	0			17 (2)	2	0
Follow-up	20	0	0			6	0	0
Other	2	0	0			2	0	0
<b>Total</b>	490	1	1			546	7	2

**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	1	0	0	0	0	1	0	0						2
Long-Term Contractors															
Short-Term Contractors	2	1	2	0	0	0	2	1	1						9
Total	2	2	2	0	0	0	3	1	1						11

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

<b>Duke Power Company LLC d/b/a Duke Energy Carolinas, LLC (Duke)</b>		<b>12/31/08</b>	
Company		6 Month Ending	
McGuire Nuclear Station			
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			
<b>Marijuana</b>	50 ng/ml / 15 ng/ml	<b>Amphetamines</b>	1000 ng/ml / 500 ng/ml
<b>Cocaine</b>	300 ng/ml / 150 ng/ml	<b>Phencyclidine</b>	25 ng/ml / 25 ng/ml
<b>Opiates</b>	300 ng/ml / 300 ng/ml	<b>Alcohol (%BAC)</b>	.011-.039

Testing Results	Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access	1367				695	
Categories	# Tested	# Positive (1)	# Tested	# Positive *	# Tested	# Positive (1)
Pre-Access	77	0			1021	6
For Cause – Post Accident	2	0			9	0
For Cause – Observed Behavior	0	0			0	0
Random	373 (2)	0			230 (2)	3
Follow-up	20	0			9	0
Other	4	0			3	0
<b>Total</b>	<b>476</b>	<b>0</b>			<b>1272</b>	<b>9</b>

**Breakdown of Confirmed Positive Tests for Specific Substances – McGuire Nuclear Station**  
**(for 6 Month Ending 12/31/08)**

	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	6	0	0	2	0	0	1						
Total	6	0	0	2	0	0	1						9



**Fitness for Duty Program  
Performance Data  
Personnel Subject to 10CFR 26  
(for McGuire Nuclear Station)  
for 6 Month Ending 12/31/08**

**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. Duke has provided a more detailed report indicating positive test results confirmed at the NRC cut-off level and Duke's cut-off level for the period ending 12/31/08 (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:**

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

**Fitness for Duty Program  
Performance Data  
Personnel Subject to 10CFR 26  
(for McGuire Nuclear Station)  
6 Month Ending – 12/31/08**

**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	1367					695		
Average Number in Random – Pre-Access Pool	5					33		
Categories	# Tested	# Positive (1)		# Tested	# Positive *	# Tested	# Positive (1)	
Pre-Access	77	NRC 0	Duke 0			1021	NRC 5	Duke 1
For Cause – Post Accident	2	0	0			9	0	0
For Cause – Observed Behavior	0	0	0			0	0	0
Random - Badged	356	0	0			211	2	0
Random – Pre-Access	17 (2)	0	0			19 (2)	1	0
Follow-up	20	0	0			9	0	0
Other	4	0	0			3	0	0
<b>Total</b>	476	0	0			1272	8	1

**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	6	0	0	0	2	0	0	0	1						9
Total	6	0	0	0	2	0	0	0	1						9

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

<b>Duke Power Company LLC d/b/a Duke Energy Carolinas, LLC (Duke)</b>		<b>12/31/08</b>
Company	6 Month Ending	
<b>Oconee Nuclear Station</b>		
Location		
<b>Anita Barnette</b>	<b>(704) 382-4904</b>	
Contact Name	Phone (Include area code)	

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

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

Testing Results	Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access	1409				1489	
Categories	# Tested	# Positive (1)	# Tested	# Positive *	# Tested	# Positive (1)
Pre-Access	88	1			887	6
For Cause – Post Accident	3	0			15	1
For Cause – Observed Behavior	2	1			7	0
Random	373 (2)	1			422 (2)	4
Follow-up	22	0			22	0
Other	3	0			1	0
<b>Total</b>	491	3			1354	11

**Breakdown of Confirmed Positive Tests for Specific Substances – Oconee Nuclear Station**  
**(for 6 Month Ending 12/31/08)**

	Marijuana (1)	Cocaine	Opiates	Ampheta- mines	Phency- clidine	Alcohol (1)	Refusal To Test	1	2	3	4	5	
Licensee Employees	2	0	0	0	0	0	1						
Long-Term Contractors													
Short-Term Contractors	4	0	0	0	0	5	2						
Total	6	0	0	0	0	5	3						14

**A**

**Fitness for Duty Program  
Performance Data  
Personnel Subject to 10CFR 26  
(for Oconee Nuclear Station)  
for 6 Month Ending 12/31/08**

**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. Duke has provided a more detailed report indicating positive test results confirmed at the NRC cut-off level and Duke's cut-off level for the period ending 12/31/08 (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:**

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

**Fitness for Duty Program  
Performance Data  
Personnel Subject to 10CFR 26  
(for Oconee Nuclear Station)  
6 Month Ending – 12/31/08**

**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	1409					1489		
<i>Average Number in Random – Pre-Access Pool</i>	4					73		
Categories	# Tested	# Positive (1)		# Tested	# Positive *	# Tested	# Positive (1)	
Pre-Access	88	NRC 0	Duke 1			887	NRC 5	Duke 1
For Cause – Post Accident	3	0	0			15	1	0
For Cause – Observed Behavior	2	1	0			7	0	0
Random - Badged	357	0	1			393	3	0
Random – Pre-Access	16 (2)	0	0			29 (2)	0	1
Follow-up	22	0	0			22	0	0
Other	3	0	0			1	0	0
<b>Total</b>	491	1	2			1354	9	2

**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	2	0	0	0	0	0	0	1						3
Long-Term Contractors															
Short-Term Contractors	4	0	0	0	0	0	3	2	2						11
<b>Total</b>	4	2	0	0	0	0	3	2	3						14

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

Duke Power Company LLC d/b/a Duke Energy Carolinas, LLC (Duke)		12/31/08
<div style="border-bottom: 1px solid black; margin-bottom: 5px;">Company</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">General Office</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">Location</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">Anita Barnette</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">Contact Name</div>	<div style="border-bottom: 1px solid black; margin-bottom: 5px;">6 Month Ending</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">(704) 382-4904</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">Phone (Include area code)</div>	
Cutoffs: Screen/Confirmation (ng/ml) <input type="checkbox"/> Appendix A to 10 CFR 26		
<b>Marijuana</b> 50 ng/ml / 15 ng/ml <b>Cocaine</b> 300 ng/ml / 150 ng/ml <b>Opiates</b> 300 ng/ml / 300 ng/ml	<b>Amphetamines</b> 1000 ng/ml / 500 ng/ml <b>Phencyclidine</b> 25 ng/ml / 25 ng/ml <b>Alcohol (%BAC)</b> .011-.039	

Testing Results	Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access	377					
Categories	# Tested	# Positive (1)	# Tested	# Positive *	# Tested	# Positive (1)
Pre-Access	14	0			1 (3)	0
For Cause – Post Accident	1	0			0	0
For Cause – Observed Behavior	0	0			0	0
Random	112 (2)	0			0	0
Follow-up	1	0			0	0
Other	0	0			0	0
<b>Total</b>	128	0			1 (3)	0

**Breakdown of Confirmed Positive Tests for Specific Substances – Duke General Office**  
**(for 6 Month Ending 12/31/08)**

	Marijuana (1)	Cocaine	Opiates	Ampheta- mines	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	0	0	0	0	0	0	0					
<b>Total</b>	0	0	0	0	0	0	0					0

**A**



**Fitness for Duty Program  
Performance Data  
Personnel Subject to 10CFR 26  
(for Duke General Office)  
for 6 Month Ending 12/31/08**

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. Duke has provided a more detailed report indicating positive test results confirmed at the NRC cut-off level and Duke's cut-off level for the period ending 12/31/08 (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 1 Pre-Access screen reported under "Short Term Contractor Personnel" is being reported with Duke's performance data as a result of accepting Westinghouse's program.

Summary Listing of Events Reported Under 10 CFR 26.73:

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

**Fitness for Duty Program  
Performance Data  
Personnel Subject to 10CFR 26  
(for Duke General Office)  
for 6 Month Ending 12/31/08**

**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	385							
Average Number in Random Pre-Access Pool	2							
Categories	# Tested	# Positive (1)		# Tested	# Positive *	# Tested	# Positive (1)	
Pre-Access	14	NRC 0	Duke 0			1 (3)	NRC 0	Duke 0
For Cause – Post Accident	1	0	0			0	0	0
For Cause – Observed Behavior	0	0	0			0	0	0
Random - Badged	98	0	0			0	0	0
Random – Pre-Access	14 (2)	0	0			0	0	0
Follow-up	1	0	0			0	0	0
Other	0	0	0			0	0	0
<b>Total</b>	128	0	0			1 (3)	0	0

**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	0	0	0	0	0	0	0	0	0						0
Total	0	0	0	0	0	0	0	0	0						0