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August 28, 2007

U.S. Nuclear Regulatory Commission
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Washington, DC 20555-0001

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 January 1, 2007 through June 30, 2007.

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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J. B. Brady
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A. T. Sabisch
NRC Senior Resident Inspector
Catawba Nuclear Station

bx: (w/ Attachments)

T. W. King – ON01SC
D. G. Black – MG01SC
W. T. Byers – CN01SC
B. H. Hamilton – ON01VP
G. R. Peterson – MG01VP
J. R. Morris – CN01VP
J. M. Grisdale – EC07C
K. R. Simmons – ON01VP
P. C. Ivey – MG01VP
W. C. Piercy – CN01HR
W. B. Jackson – EC03K
W. E. Dukes – EC02O
A. C. Barnette – EC03P
P. R. Fowler – EC03P
L. F. Vaughn – EC07H
Oconee Master File 801.01 – ON03DM
McGuire Master File 801.01 – MG01DM
Catawba Master File 801.01 – CN04DM
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B. G. Davenport – ON03RC
K. L. Ashe – MG01RC
R. D Hart – CN01RC
R. L. Gill – EC05P
J. E. Smith – ON03RC
K. L. Crane – MG01RC
K. L. Nicholson – CN01RC
NCMPA-1
SREC
PMPA
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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)		06/30/07	
_____ 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	1250				492	
Categories	# Tested	# Positive (1)	# Tested	# Positive *	# Tested	# Positive (1)
Pre-Access	75	0			134	2
For Cause – Post Accident	0	0			3	0
For Cause – Observed Behavior	0	0			0	0
Random	383 (2)	0			200 (2)	0
Follow-up	14	0			2	0
Other	2	0			0	0
Total	474	0			339	2

Breakdown of Confirmed Positive Tests for Specific Substances – Catawba Nuclear Station
(for 6 Month Ending 06/30/07)

	Marijuana (1)	Cocaine	Opiates	Amphetamine- amines	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	2	0	0	0	0	0	0						
Total	2	0	0	0	0	0	0						2

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**Fitness for Duty Program
Performance Data
Personnel Subject to 10CFR 26
(for Catawba Nuclear Station)
for 6 Month Ending 06/30/07**

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 06/30/07 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 – 06/30/07**

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	1250					492		
<i>Average Number in Random – Pre-Access Pool</i>	4					10		
Categories	# Tested	# Positive (1)		# Tested	# Positive *	# Tested	# Positive (1)	
Pre-Access	75	NRC 0	Duke 0			134	NRC 1	Duke 1
For Cause – Post Accident	0	0	0			3	0	0
For Cause – Observed Behavior	0	0	0			0	0	0
Random - Badged	365	0	0			185	0	0
Random – Pre Access	18 (2)	0	0			15 (2)	0	0
Follow-up	14	0	0			2	0	0
Other	2	0	0			0	0	0
Total	474	0	0			339	1	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	1	1	0	0	0	0	0	0	0						2
Total	1	1	0	0	0	0	0	0	0						2

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

Duke Power Company LLC d/b/a Duke Energy Carolinas, LLC (Duke)		06/30/07
_____ 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	1345				687	
Categories	# Tested	# Positive (1)	# Tested	# Positive *	# Tested	# Positive (1)
Pre-Access	96	1			1082	6
For Cause – Post Accident	2	0			4	0
For Cause – Observed Behavior	2	0			5	0
Random	416 (2)	1			222 (2)	0
Follow-up	13	0			9	0
Other	2	0			1	0
Total	531	2			1323	6

Breakdown of Confirmed Positive Tests for Specific Substances – McGuire Nuclear Station
(for 6 Month Ending 06/30/07)

	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	2	0						
Long-Term Contractors													
Short-Term Contractors	5	0	0	0	0	1	3						
Total	5	0	0	0	0	3	3*						11*

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* Refusal to Test #'s are included in calculating total Substance categories; however, these refusal to test results are not included in Test/Positive Results #'s because no collection/test was performed.

**Fitness for Duty Program
Performance Data
Personnel Subject to 10CFR 26
(for McGuire Nuclear Station)
for 6 Month Ending 06/30/07**

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 06/30/07 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
Screened 02/06/07	Nuclear Control Operator	Random drug/alcohol screen	Alcohol	Confirmed positive on 02/06/07; individual's unescorted access was restricted immediately; individual was referred to EAP for assessment; individual complied with EAP recommendation, submitted a return to work screen with negative results; individual's access restriction was removed; individual was placed in random follow-up drug/alcohol screening program; event was reported to McGuire's Nuclear Compliance Group for reporting purposes; reported to NRC on 02/06/07 at 1608.

**Fitness for Duty Program
Performance Data
Personnel Subject to 10CFR 26
(for McGuire Nuclear Station)
6 Month Ending – 06/30/07**

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	1345					687		
<i>Average Number in Random – Pre-Access Pool</i>	5					39		
Categories	# Tested	# Positive (1)		# Tested	# Positive *	# Tested	# Positive (1)	
Pre-Access	96	NRC 0	Duke 1			1082	NRC 1	Duke 5
For Cause – Post Accident	2	0	0			4	0	0
For Cause – Observed Behavior	2	0	0			5	0	0
Random - Badged	392	1	0			200	0	0
Random – Pre-Access	24 (2)	0	0			22 (2)	0	0
Follow-up	13	0	0			9	0	0
Other	2	0	0			1	0	0
Total	531	1	1			1323	1	5

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	1	1	0						2
Long-Term Contractors															
Short-Term Contractors	1	4	0	0	0	0	0	1	3						9
Total	1	4	0	0	0	0	1	2	3*						11*

* Refusal to Test #'s are included in calculating total Substance categories; however, these refusal to test results are not included in Test/Positive Results #'s because no collection/test was performed.

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

Duke Power Company LLC d/b/a Duke Energy Carolinas, LLC (Duke)		06/30/07
Company	6 Month Ending	
Oconee 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		
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	1373				889	
Categories	# Tested	# Positive (1)	# Tested	# Positive *	# Tested	# Positive (1)
Pre-Access	118	0			494	2
For Cause – Post Accident	1	0			6	0
For Cause – Observed Behavior	4	0			1	1
Random	565 (2) (4)	1			255 (2)	0
Follow-up	21	1			18	1
Other	1	0			1	0
Total	710	2			775	4

Breakdown of Confirmed Positive Tests for Specific Substances – Oconee Nuclear Station
(for 6 Month Ending 06/30/07)

	Marijuana (1)	Cocaine	Opiates	Amphe- tamines	Phency- clidine	Alcohol (1)	Refusal To Test	1	2	3	4	5	
Licensee Employees	0	0	0	2	0	0	0						
Long-Term Contractors													
Short-Term Contractors	2	2	0	0	0	1	0						
Total	2	2	0	2	0	1	0						7 *

* 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 06/30/07**

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 06/30/07 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 (4): As a result of an increased amount of Amphetamine/Methamphetamine positive results in the Oconee Nuclear Security organization during the period 11/14/06 – 01/29/07, management implemented an accelerated random testing program for the Oconee Nuclear Security organization for the period of 2/5/07 – 1/31/08.

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 – 06/30/07**

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	1373					889		
<i>Average Number in Random – Pre-Access Pool</i>	4					40		
Categories	# Tested	# Positive (1)		# Tested	# Positive *	# Tested	# Positive (1)	
Pre-Access	118	NRC 0	Duke 0			494	NRC 1	Duke 1
For Cause – Post Accident	1	0	0			6	0	0
For Cause – Observed Behavior	4	0	0			1	0	1
Random - Badged	548 (4)	1	0			239	0	0
Random – Pre-Access	17 (2)	0	0			16 (2)	0	0
Follow-up	21	1	0			18	1	0
Other	1	0	0			1	0	0
Total	710	2	0			775	2	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	2	0	0	0	0						2
Long-Term Contractors															
Short-Term Contractors	0	2	2	0	0	0	0	1	0						5
Total	0	2	2	0	2	0	0	1	0						7*

* 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)		06/30/07	
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	353					
Categories	# Tested	# Positive (1)	# Tested	# Positive *	# Tested	# Positive (1)
Pre-Access	35	0			0 (3)	0
For Cause – Post Accident	0	0			0	0
For Cause – Observed Behavior	0	0			0	0
Random	113 (2)	0			0	0
Follow-up	1	0			0	0
Other	0	0			0	0
Total	149	0			0 (3)	0

Breakdown of Confirmed Positive Tests for Specific Substances – Duke General Office
(for 6 Month Ending 06/30/07)

	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	0	0	0	0	0	0	0						
Total	0	0	0	0	0	0	0						0

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**Fitness for Duty Program
Performance Data
Personnel Subject to 10CFR 26
(for Duke General Office)
for 6 Month Ending 06/30/07**

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 06/30/07 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 06/30/07**

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	353							
Average Number in Random Pre-Access Pool	2							
Categories	# Tested	# Positive (1)		# Tested	# Positive *	# Tested	# Positive (1)	
Pre-Access	35	NRC	Duke			0 (3)	NRC	Duke
		0	0				0	0
For Cause – Post Accident	0	0	0			0	0	0
For Cause – Observed Behavior	0	0	0			0	0	0
Random - Badged	97	0	0			0	0	0
Random – Pre-Access	16 (2)	0	0			0	0	0
Follow-up	1	0	0			0	0	0
Other	0	0	0			0	0	0
Total	149	0	0			0 (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