



Commonwealth Edison  
1400 Opus Place  
Downers Grove, Illinois 60515

February 21, 1994

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D.C. 20555

Subject: Byron Station Units 1 and 2  
Braidwood Station Units 1 and 2  
Zion Station Units 1 and 2  
Quad Cities Station Units 1 and 2  
Dresden Station Units 2 and 3  
LaSalle County Station Units 1 and 2  
Fitness for Duty Reporting 10 CFR 26.71(d)  
NRC Docket Nos. 50-454/455, 5--456/457, 50-295/304  
50-237/249, 50-254/265, 50-373/374

Gentlemen:

In accordance with 10 CFR 26.71(d), Commonwealth Edison Company is providing the compiled fitness-for-duty program performance data for each Station and the applicable Corporate support employees for the six month period ending December 31, 1993.

Attachment A through F contain the performance data for Braidwood, Byron, Dresden, LaSalle, Quad Cities, and Zion Stations respectively. Attachment G contains the performance data for the Corporate support personnel.

Please direct any questions regarding this matter to this office.

Respectfully,

T.W. Simpkin  
Nuclear Licensing Administrator

Attachments

cc: Resident Inspectors BY/BW/Z/D/QC/LCS  
Region III Office

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**FITNESS FOR DUTY  
PERFORMANCE DATA  
PERSONNEL SUBJECT TO 10CFR 26**

<b>COMMONWEALTH EDISON COMPANY</b>		December 31, 1993
Company		Six Months Ending
Braidwood Nuclear Power Station		
Location		
Garey J. Toleski		(708) 663-7544
Contact Name		Phone (include area code)
Cutoffs: Screen/Confirmation (ng/ml) <input type="checkbox"/> Appendix A to 10CFR 26		
Marijuana	50 / 15	Amphetamines 1000 / 500
Cocaine	300 / 150	Phencyclidine 25 / 25
Opiates	300 / 300	Alcohol (% BAC) .04

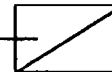
Testing Results		Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access		856		127		319	
Categories		Number Tested	Number Positive	Number Tested	Number Positive	Number Tested	Number Positive
Pre-Access		29	0	4	0	127	1
For Cause	Post Accident	0	0	0	0	0	0
	Observed Behavior	1	0	0	0	0	0
Random		427	0	65	0	160	0
Follow-up		11	0	0	0	2	0
Other		12	0	1	0	1	0
TOTAL		480	0	70	0	290	1

# BREAKDOWN OF CONFIRMED POSITIVE TESTS FOR SPECIFIC SUBSTANCES - BRAIDWOOD NUCLEAR POWER STATION

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal to Test	1	2	3	4	5	5
Licensee Employees	0	0	0	0	0	0	0						
Long-Term Contractors	0	0	0	0	0	0	0						
Short-Term Contractors	0	1	0	0	0	0	0						A
TOTAL	0	1	0	0	0	0	0						

On November 1, 1990, CECo implemented a 50 ng/ml positive threshold for THC. In order to report test results for the USNRC specified level (100 NG/ML) and for CECo's more stringent level of 50 ng/ml, the data is reported above as follows:

All Positive Tests at or above  
Commonwealth Edison's threshold.



Positive Tests at  
100 ng/ml or greater.

## **BRAIDWOOD NUCLEAR POWER STATION**

**For the year 1993, the 100% random test rate requirement was accomplished for the licensee employees, short term contractors and the long term contractors.**

### **MANAGEMENT ACTIONS AND SANCTIONS**

**One positive test resulted in either the denial of unescorted access.**

### **EVENTS REPORTED**

**There were no 24 hour reportable events this period.**

**FITNESS FOR DUTY  
PERFORMANCE DATA  
PERSONNEL SUBJECT TO 10CFR 26**

<b>COMMONWEALTH EDISON COMPANY</b>		December 31, 1993
Company		Six Months Ending
Byron Nuclear Power Station		
Location		
Garey J. Toleski		(708) 663-7544
Contact Name		Phone (include area code)
Cutoffs: Screen/Confirmation (ng/ml) <input type="checkbox"/> Appendix A to 10CFR 26		
Marijuana	50 / 15	Amphetamines 1000 / 500
Cocaine	300 / 150	Phencyclidine 25 / 25
Opiates	300 / 300	Alcohol (% BAC) .04

Testing Results		Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access		871		126		512	
Categories		Number Tested	Number Positive	Number Tested	Number Positive	Number Tested	Number Positive
Pre-Access		32	0	1	0	808	14
For Cause	Post Accident	0	0	0	0	0	0
	Observed Behavior	0	0	0	0	6	3
Random		434	0	59	0	269	1
Follow-up		10	0	0	0	22	0
Other		13	0	0	0	29	1
TOTAL		489	0	60	0	1134	19

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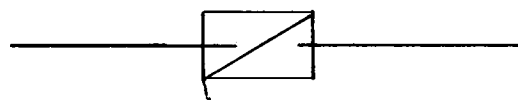
# BREAKDOWN OF CONFIRMED POSITIVE TESTS FOR SPECIFIC SUBSTANCES - BYRON NUCLEAR POWER STATION

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal to Test	1	2	3	4	5
Licensee Employees	0	0	0	0	0	0	0					
Long-Term Contractors	0	0	0	0	0	0	0					
Short-Term Contractors	5 5	9	0	0	0	5	1					
TOTAL	5 5	9	0	0	0	5	1					

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On November 1, 1990, CECo implemented a 50 ng/ml positive threshold for THC. In order to report test results for the USNRC specified level (100 NG/ML) and for CECo's more stringent level of 50 ng/ml, the data is reported above as follows:

All Positive Tests at or above  
Commonwealth Edison's threshold.



Positive Tests at  
100 ng/ml or greater.

## **BYRON NUCLEAR POWER STATION**

**For the year 1993, the 100% random test rate requirement was accomplished for the licensee employees, short term contractors and the long term contractors.**

### **MANAGEMENT ACTIONS AND SANCTIONS**

**Nineteen positive tests resulted in either the denial or revocation of unescorted access.**

**One refusal to pre-access test by a short term contractor resulted in the denial of unescorted access for a minimum of three years.**

**One 'no temperature' random test required a for cause test that resulted in revocation of unescorted access for a fitness for duty program violation.**

### **EVENTS REPORTED**

**There were no 24 hour reportable events this period.**

**FITNESS FOR DUTY  
PERFORMANCE DATA  
PERSONNEL SUBJECT TO 10CFR 26**

<b>COMMONWEALTH EDISON COMPANY</b>		December 31, 1993
Company		Six Months Ending
Dresden Nuclear Power Station		
Location		
Garey J. Toleski		(708) 663-7544
Contact Name		Phone (include area code)
Cutoffs: Screen/Confirmation (ng/ml) <input type="checkbox"/> Appendix A to 10CFR 26		
Marijuana	50 / 15	Amphetamines 1000 / 500
Cocaine	300 / 150	Phencyclidine 25 / 25
Opiates	300 / 300	Alcohol (% BAC) .04

Testing Results		Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access		1007		126		803	
Categories		Number Tested	Number Positive	Number Tested	Number Positive	Number Tested	Number Positive
Pre-Access		55	0	3	0	211	3
For Cause	Post Accident	0	0	0	0	0	0
	Observed Behavior	0	0	0	0	0	0
Random		491	1	60	0	377	1
Follow-up		27	2	0	0	15	1
Other		13	2	0	0	13	0
TOTAL		586	5	63	0	616	5



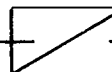
# BREAKDOWN OF CONFIRMED POSITIVE TESTS FOR SPECIFIC SUBSTANCES - DRESDEN NUCLEAR POWER STATION

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal to Test	1	2	3	4	5
Licensee Employees	1 / 1	0	0	0	0	4	0					
Long-Term Contractors	0	0	0	0	0	0	0					
Short-Term Contractors	1 / 1	4	0	0	0	0	0					
TOTAL	2 / 2	4	0	0	0	4	0					

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On November 1, 1990, CECo implemented a 50 ng/ml positive threshold for THC. In order to report test results for the USNRC specified level (100 NG/ML) and for CECo's more stringent level of 50 ng/ml, the data is reported above as follows:

All Positive Tests at or above  
Commonwealth Edison's threshold.



Positive Tests at  
100 ng/ml or greater.

## **DRESDEN NUCLEAR POWER STATION**

**For the year 1993, the 100% random test rate requirement was accomplished for the licensee employees, short term contractors and the long term contractors.**

### **MANAGEMENT ACTIONS AND SANCTIONS**

**Each of the ten positive tests resulted in either the denial or revocation of unescorted access.**

### **EVENTS REPORTED**

**There were no 24 hour reportable events this period.**

**FITNESS FOR DUTY  
PERFORMANCE DATA  
PERSONNEL SUBJECT TO 10CFR 26**

<b>COMMONWEALTH EDISON COMPANY</b>		December 31, 1993
Company		Six Months Ending
LaSalle Nuclear Power Station		
Location		
Garey J. Toleski		(708) 663-7544
Contact Name		Phone (include area code)
Cutoffs: Screen/Confirmation (ng/ml) <input type="checkbox"/> Appendix A to 10CFR 26		
Marijuana	50 / 15	Amphetamines 1000 / 500
Cocaine	300 / 150	Phencyclidine 25 / 25
Opiates	300 / 300	Alcohol (% BAC) .04

Testing Results		Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access		1002		128		701	
Categories		Number Tested	Number Positive	Number Tested	Number Positive	Number Tested	Number Positive
Pre-Access		34	0	11	0	800	6
For Cause	Post Accident	0	0	0	0	0	0
	Observed Behavior	1	0	0	0	1	0
Random		480	0	52	0	341	1
Follow-up		6	0	0	0	39	1
Other		5	0	4	0	21	2
TOTAL		526	0	67	0	1202	10

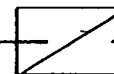
# BREAKDOWN OF CONFIRMED POSITIVE TESTS FOR SPECIFIC SUBSTANCES - LASALLE NUCLEAR POWER STATION

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal to Test	1	2	3	4	5
Licensee Employes	0	0	0	0	0	0	0					
Long-Term Contractors	0	0	0	0	0	0	0					
Short-Term Contractors	3 3	2	0	0	0	5	0					
TOTAL	3 3	2	0	0	0	5	0					

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On November 1, 1990, CECo implemented a 50 ng/ml positive threshold for THC. In order to report test results for the USNRC specified level (100 NG/ML) and for CECo's more stringent level of 50 ng/ml, the data is reported above as follows:

All Positive Tests at or above  
Commonwealth Edison's threshold.



Positive Tests at  
100 ng/ml or greater.

## **LASALLE NUCLEAR POWER STATION**

**For the year 1993, the 100% random test rate requirement was accomplished for the licensee employees, short term contractors and long term contractors.**

### **MANAGEMENT ACTIONS AND SANCTIONS**

**Each of the ten positive tests resulted in either denial or revocation of unescorted access.**

**One licensee employee had access denied for failure to cooperate during a random test collection.**

**On October 6, 1993, a short term contractor was tested for cause on the odor of alcohol. Contrary to procedure, an alcohol test was performed and the individual was returned to work without an urine test. An investigation was conducted to determine the root cause of this error. It was determined that the procedures used to direct management in the handling of For Cause testing were not updated to the most current Corporate Nuclear Security Guidelines. Several actions were taken to prevent recurrence. The procedures will be revised to incorporate the Corporate guidance. The security force post instruction was revised to provide clear action statements. Management and contractor supervisors were trained in the proper handling of a for cause event.**

### **EVENTS REPORTED**

**On July 9, 1993, a random test of a contractor supervisor yielded a positive test result. Unescorted access was denied and the event was reported to the USNRC headquarters of July 9, 1993. A work investigation was conducted and concluded the individual's work history did not reveal any areas of performance that precluded safe operation of the plant. This individual has not met reinstatement requirements and therefore access remains denied.**

**On October 21, 1993, Corporate Fitness for Duty notified the LaSalle Station Security Administrator a contractor being in-processed for unescorted access had tested positive and was in violation of the Fitness for Duty Program. The contractor had already been granted unescorted access, was badged and was working within the protected area of the station. The contractor was located and escorted off-site. This event received a NRC violation. Refer to Inspection Report 50-373/93033; 50-374/93033.**

**FITNESS FOR DUTY  
PERFORMANCE DATA  
PERSONNEL SUBJECT TO 10CFR 26**

<u>COMMONWEALTH EDISON COMPANY</u>		<u>December 31, 1993</u>	
<u>Company</u>		<u>Six Months Ending</u>	
<u>Quad Cities Nuclear Power Station</u>			
<u>Location</u>			
<u>Garey J. Toleski</u>		<u>(708) 663-7544</u>	
<u>Contact Name</u>		<u>Phone (include area code)</u>	
Cutoffs: Screen/Confirmation (ng/ml) <input type="checkbox"/> Appendix A to 10CFR 26			
Marijuana	50 / 15	Amphetamines	1000 / 500
Cocaine	300 / 150	Phencyclidine	25 / 25
Opiates	300 / 300	Alcohol (% BAC)	.04

Testing Results		Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access		835		132		820	
Categories		Number Tested	Number Positive	Number Tested	Number Positive	Number Tested	Number Positive
Pre-Access		55	0	7	0	844	6
For Cause	Post Accident	0	0	0	0	0	0
	Observed Behavior	0	0	0	0	0	0
Random		397	1	58	0	408	1
Follow-up		6	0	0	0	21	2
Other		6	0	0	0	64	0
TOTAL		464	1	65	0	1337	9

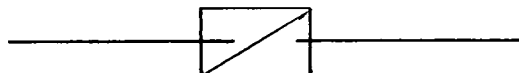
# BREAKDOWN OF CONFIRMED POSITIVE TESTS FOR SPECIFIC SUBSTANCES - QUAD-CITIES NUCLEAR POWER STATION

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal to Test	1	2	3	4	5
Licensee Employees	1 / 1	0	0	0	0	0	0					
Long-Term Contractors	0	0	0	0	0	0	0					
Short-Term Contractors	5 / 5	4	0	0	0	0	0					
TOTAL	6 / 6	4	0	0	0	0	0					

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On November 1, 1990, CECo implemented a 50 ng/ml positive threshold for THC. In order to report test results for the USNRC specified level (100 NG/ML) and for CECo's more stringent level of 50 ng/ml, the data is reported above as follows:

All Positive Tests at or above  
Commonwealth Edison's threshold.



Positive Tests at  
100 ng/ml or greater.

## **QUAD CITIES NUCLEAR POWER STATION**

**For the year 1993, the 100% random test rate requirement was accomplished for the licensee employees, short term contractors and the long term contractors.**

### **MANAGEMENT ACTIONS AND SANCTIONS**

**Each of the ten positive tests resulted in the denial or revocation of unescorted access.**

### **EVENTS REPORTED**

**There were no 24 hour reportable events this period.**



**FITNESS FOR DUTY  
PERFORMANCE DATA  
PERSONNEL SUBJECT TO 10CFR 26**

<b>COMMONWEALTH EDISON COMPANY</b>		December 31, 1993
Company		Six Months Ending
Zion Nuclear Power Station		
Location		
Garey J. Toleski		(708) 663-7544
Contact Name		Phone (include area code)
Cutoffs: Screen/Confirmation (ng/ml) <input type="checkbox"/> Appendix A to 10CFR 26		
Marijuana	50 / 15	Amphetamines 1000 / 500
Cocaine	300 / 150	Phencyclidine 25 / 25
Opiates	300 / 300	Alcohol (% BAC) .04

Testing Results		Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access		918		123		1185	
Categories		Number Tested	Number Positive	Number Tested	Number Positive	Number Tested	Number Positive
Pre-Access		29	0	12	0	1288	16
For Cause	Post Accident	0	0	0	0	0	0
	Observed Behavior	1	1	0	0	4	2
Random		444	2	60	0	605	7
Follow-up		33	0	0	0	70	1
Other		11	0	0	0	61	1
TOTAL		518	3	72	0	2028	27

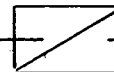
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# BREAKDOWN OF CONFIRMED POSITIVE TESTS FOR SPECIFIC SUBSTANCES - ZION NUCLEAR POWER STATION

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal to Test	1	2	3	4	5	
Licensee Employees	3 3	0	0	0	0	1	0						
Long-Term Contractors	0 0	0	0	0	0	0	0						
Short-Term Contractors	8 7	13	1	0	0	5	2						A
TOTAL	11 10	13	1	0	0	6	2						

On November 1, 1990, CECo implemented a 50 ng/ml positive threshold for THC. In order to report test results for the USNRC specified level (100 NG/ML) and for CECo's more stringent level of 50 ng/ml, the data is reported above as follows:

All Positive Tests at or above  
Commonwealth Edison's threshold.



Positive Tests at  
100 ng/ml or greater.

## **ZION NUCLEAR POWER STATION**

**For the year 1993, the 100% random test rate requirement was accomplished for the licensee employees, short term contractors and long term contractors.**

### **MANAGEMENT ACTIONS AND SANCTIONS**

**Each of the thirty positive tests resulted in the denial or revocation of unescorted access.**

**One refusal to test for cause on the odor of alcohol by a short term contractor resulted in the denial of unescorted access.**

**One refusal to random test by a short term contractor resulted in the denial of unescorted access.**

### **EVENTS REPORTED**

**There were no 24 hour reportable events this period.**

**FITNESS FOR DUTY  
PERFORMANCE DATA  
PERSONNEL SUBJECT TO 10CFR 26**

<b>COMMONWEALTH EDISON COMPANY</b>		December 31, 1993
Company		Six Months Ending
Corporate Nuclear Operations		
Location		
Garey J. Toleski		(708) 663-7544
Contact Name		Phone (include area code)
Cutoffs: Screen/Confirmation (ng/ml) <input type="checkbox"/> Appendix A to 10CFR 26		
Marijuana	50 / 15	Amphetamines 1000 / 500
Cocaine	300 / 150	Phencyclidine 25 / 25
Opiates	300 / 300	Alcohol (% BAC) .04

Testing Results		Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access		631		0		0	
Categories		Number Tested	Number Positive	Number Tested	Number Positive	Number Tested	Number Positive
Pre-Access		41	0	0	0	14	0
For Cause	Post Accident	0	0	0	0	0	0
	Observed Behavior	0	0	0	0	0	0
Random		318	1	0	0	0	0
Follow-up		6	0	0	0	3	0
Other		5	0	0	0	0	0
TOTAL		370	1	0	0	17	0

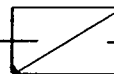
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# BREAKDOWN OF CONFIRMED POSITIVE TESTS FOR SPECIFIC SUBSTANCES - CORPORATE NUCLEAR OPERATIONS

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

On November 1, 1990, CECo implemented a 50 ng/ml positive threshold for THC. In order to report test results for the USNRC specified level (100 NG/ML) and for CECo's more stringent level of 50 ng/ml, the data is reported above as follows:

All Positive Tests at or above  
Commonwealth Edison's threshold.



Positive Tests at  
100 ng/ml or greater.

## **CORPORATE NUCLEAR OPERATIONS**

**For the 2nd Period 1993, corporate nuclear operations support employees were random tested at a rate of 50%. The 100% random test rate requirement was accomplished.**

## **MANAGEMENT ACTIONS AND SANCTIONS**

**One positive test resulted in the denial of unescorted access.**

**Commonwealth Edison does not invoke temporary suspensions or other administrative actions for on-site presumptive positives for Marijuana and for Cocaine. However, the confirmation rate for Marijuana and Cocaine was 94.5% for the year 1993.**

**For the 2nd Period, Commonwealth Edison submitted 75 blind performance specimens to the SAMHSA laboratory as required. All of the tests results were as expected.**

**1,017 on-site tested negatives were submitted to the SAMHSA laboratory as part of the quality control requirement for on-site testing facilities. There were no false negatives this period.**

**One ( 1 ) appeal was filed for the 2nd period. Program violation decisions were upheld by the executive review board.**

**Sixty-two (62) positive test results were reported by the laboratory for illegal substances. All were verified confirmed positive by the Medical Review officer. No requests for reanalysis were received this period.**

**The combined positive random test rate for Commonwealth Edison owned and operated nuclear facilities for this period was .17% for licensee employees, .51% for short term contractors and 0% for long term contractors.**

## **EVENTS REPORTED**

**No 24 hour Fitness for Duty reports were filed for the second period.**