



February 25, 1997

U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Attn: Document Control Desk

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, 50-456/457, 50-295/304,  
50-254/265, 50-237/249, 50-373/374

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, 1997.

The attachment to this letter contains the performance data for Braidwood, Byron, Dresden, LaSalle, Quad Cities and Zion Stations, respectively. Also, included is the performance data for the corporate support personnel.

Please direct any questions regarding this matter to this office.

Respectfully,

David R. Helwig  
Senior Vice President  
Nuclear Generation Support

AO 21/1

Attachment

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

9803060288 980225  
PDR ADOCK 05000237  
R PDR



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

**COMMONWEALTH EDISON COMPANY**

Company

**December 31, 1997**

Six Months Ending

**BRAIDWOOD NUCLEAR POWER STATION**

Location

**Judith C. Papaleo**

Contact Name

**630-663-6565**

Phone (include area code)

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

Marijuana 50/15 Amphetamines 1000/500

Cocaine 300/150 Phencyclidine 25/25

Opiates 300/300 Alcohol (% BAC) .04

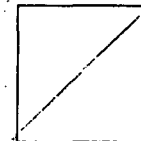
Testing Results		Licensee Employees		Long -Term Contractor		Short -Term Contractor	
Average with Unescorted Access		940		121		518	
Categories		Number Tested	Number Positive	Number Tested	Number Positive	Number Tested	Number Positive
Pre-Access		46	0	19	0	994	12
For Cause	Post Accident	0	0	0	0	0	0
	Observed Behavior	3	1	0	0	1	1
Random		229	0	32	0	130	0
Follow-up		3	0	0	0	6	0
Other		6	0	0	0	18	3
Pre-Employment		2	0	0	0	0	0
<b>Total</b>		<b>289</b>	<b>1</b>	<b>51</b>	<b>0</b>	<b>1149</b>	<b>16</b>

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

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal To Test
Licensee Employees	0	1	0	0	0	0	0
Long -Term Contractors	0	0	0	0	0	0	0
Short -Term Contractors	5 2	9	1	0	0	3	1
TOTAL	5 2	10	1	0	0	3	1

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 ComEd'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

**Management Actions and Sanctions**

Nineteen positive tests resulted in the denial or revocation of unescorted access of one licensee employee and sixteen short-term contractors. One refusal to test by a short-term contractor resulted in the denial and revocation of unescorted access.

**Events Reported**

On October 18, 1997, a short-term contractor was denied access after admitting violation of the 5-hour abstinence rule on October 10. Additionally, two other contractors involved in this event were denied access for failing to report the odor of alcohol to their supervisor.

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

**COMMONWEALTH EDISON COMPANY**

Company

**December 31, 1997**

Six Months Ending

**BYRON NUCLEAR POWER STATION**

Location

**Judith C. Papaleo**

Contact Name

**630-663-6565**

Phone (include area code)

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

Marijuana	50/15	Amphetamines	1000/500	_____
Cocaine	300/150	Phencyclidine	25/25	_____
Opiates	300/300	Alcohol (% BAC)	.04	_____

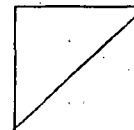
Testing Results		Licensee Employees		Long -Term Contractor		Short -Term Contractor	
Average with Unescorted Access		934		120		1035	
Categories		Number Tested	Number Positive	Number Tested	Number Positive	Number Tested	Number Positive
Pre-Access		38	0	48	1	1423	18
For Cause	Post Accident	0	0	0	0	0	0
	Observed Behavior	5	1	0	0	6	3
Random		233	0	31	0	260	2
Follow-up		16	0	0	0	51	1
Other		5	1	3	0	61	1
Pre-Employment		5	0	0	0	4	0
<b>Total</b>		<b>302</b>	<b>2</b>	<b>82</b>	<b>1</b>	<b>1805</b>	<b>25</b>

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

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal To Test
Licensee Employee	0	0	0	0	0	2	0
Long - Term Contractors	1 / 1	0	0	0	0	0	0
Short - Term Contractors	12 / 7	8	0	0	0	5	0
TOTAL	13 / 8	8	0	0	0	7	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 ComEd'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**

### **Management Actions and Sanctions**

Twenty -Eight positive tests resulted in the denial or revocation of unescorted access for one licensee employee, one long-term contractor and twenty-five short-term contractors.

### **Events Reported**

A For Cause test on a Licensed Operator, September 10, 1997, resulted in a confirmed positive test and the denial of unescorted access. A 24-hour reportable event telephone call was made to the NRC Operations Center on September 10, 1997.

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

**COMMONWEALTH EDISON COMPANY**

Company

**December 31, 1997**

Six Months Ending

**DRESDEN NUCLEAR POWER STATION**

Location

**Judith C. Papaleo**

Contact Name

**630-663-6565**

Phone (include area code)

Cutoffs: Screen/Confirmation (ng/ml) / / 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		Short - Term Contractor	
Average with Unescorted Access		980		110		672	
Categories		Number Tested	Number Positive	Number Tested	Number Positive	Number Tested	Number Positive
Pre-Access		18	0	29	3	140	2
For Cause	Post Accident	0	0	0	0	0	0
	Observed Behavior	1	0	0	0	1	0
Random		236	0	28	0	153	4
Follow-up		6	0	4	0	22	1
Other		5	0	0	0	12	0
Pre-Employment		0	0	0	0	7	0
<b>Total</b>		<b>266</b>	<b>0</b>	<b>61</b>	<b>3</b>	<b>335</b>	<b>7</b>

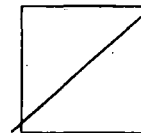


**BREAKDOWN OF CONFIRMED POSITIVE TESTS FOR SPECIFIC SUBSTANCES - DRESDEN NUCLEAR POWER STATION**

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal To Test
Licensee Employees	0	0	0	0	0	0	0
Long -Term Contractors	1 1	2	0	0	0	0	0
Short -Term Contractors	3 2	4	0	0	0	0	0
TOTAL	4 3	6	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 ComEd'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

### Management Actions and Sanctions

Ten positive tests resulted in the denial or revocation of unescorted access of three long-term and seven short-term contractors.

### Events Reported

There were no 24-hour reportable events during this reporting period.

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

**COMMONWEALTH EDISON COMPANY**

Company

**December 31, 1997**

Six Months Ending

**LASALLE NUCLEAR POWER STATION**

Location

**Judith C. Papaleo**

Contact Name

**630-663-6565**

Phone (include area code)

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

Marijuana	50/15	Amphetamines	1000/500	_____
Cocaine	300/150	Phencyclidine	25/25	_____
Opiates	300/300	Alcohol (% BAC)	.04	_____

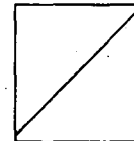
Testing Results		Licensee Employees		Long - Term Contractor		Short - Term Contractor	
Average with Unescorted Access		971		104		867	
Categories		Number Tested	Number Positive	Number Tested	Number Positive	Number Tested	Number Positive
Pre-Access		27	1	13	0	788	7
For Cause	Post Accident	0	0	0	0	0	0
	Observed Behavior	2	2	0	0	3	1
Random		248	0	27	0	221	2
Follow-up		4	0	0	0	12	0
Other		8	1	0	0	11	1
Pre-Employment		16	0	0	0	0	0
<b>Total</b>		<b>305</b>	<b>4</b>	<b>40</b>	<b>0</b>	<b>1035</b>	<b>11</b>

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

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal To Test
Licensee Employees	1 0	1	0	0	0	2	0
Long -Term Contractors	0	0	0	0	0	0	0
Short -Term Contractors	4 2	6	0	0	0	2	0
TOTAL	5 2	7	0	0	0	4	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 ComEd'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 COUNTY NUCLEAR POWER STATION

### Management Actions and Sanctions

Sixteen positive tests resulted in the denial or revocation of unescorted access of three licensee employees and ten short-term contractors.

### Events Reported

A preaccess test on a licensed operator, September 11, 1997, resulted in a confirmed positive test and denial of unescorted access. A 24 hour reportable event telephone call was made to the NRC Operations Center on September 11, 1997.

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

**COMMONWEALTH EDISON COMPANY**

Company

**December 31, 1997**

Six Months Ending

**QUAD CITIES NUCLEAR POWER STATION**

Location

**Judith C. Papaleo**

Contact Name

**630-663-6565**

Phone (include area code)

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

Marijuana 50/15 Amphetamines 1000/500 \_\_\_\_\_

Cocaine 300/150 Phencyclidine 25/25 \_\_\_\_\_

Opiates 300/300 Alcohol (% BAC) .04 \_\_\_\_\_

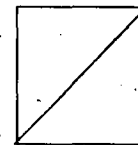
Testing Results		Licensee Employees		Long -Term Contractor		Short -Term Contractor	
Average with Unescorted Access		927		99		327	
Categories		Number Tested	Number Positive	Number Tested	Number Positive	Number Tested	Number Positive
Pre-Access		16	0	1	0	166	0
For Cause	Post Accident	0	0	0	0	0	0
	Observed Behavior	1	0	0	0	0	0
Random		225	1	25	0	77	0
Follow-up		4	0	0	0	0	0
Other		4	0	0	0	6	0
Pre-Employment		0	0	0	0	0	0
<b>Total</b>		250	1	26	0	249	0

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

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal To Test
Licensee Employees	1 0	0	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	1 0	0	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 ComEd'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

### Management Actions and Sanctions

One positive test resulted in the denial or revocation of unescorted access of one licensee employee.

### Events Reported

There were no 24-hour reportable events during this reporting period.



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

**COMMONWEALTH EDISON COMPANY**

Company

**December 31, 1997**

Six Months Ending

**ZION NUCLEAR POWER STATION**

Location

**Judith C. Papaleo**

Contact Name

**630-663-6565**

Phone (include area code)

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

Marijuana 50/15 Amphetamines 1000/500 \_\_\_\_\_

Cocaine 300/150 Phencyclidine 25/25 \_\_\_\_\_

Opiates 300/300 Alcohol (% BAC) .04 \_\_\_\_\_

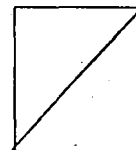
Testing Results		Licensee Employees		Long -Term Contractor		Short -Term Contractor	
Average with Unescorted Access		893		111		639	
Categories		Number Tested	Number Positive	Number Tested	Number Positive	Number Tested	Number Positive
Pre-Access		19	0	52	0	311	5
For Cause	Post Accident	0	0	0	0	0	0
	Observed Behavior	2	2	0	0	3	0
Random		222	0	30	0	159	0
Follow-up		14	0	1	0	19	0
Other		4	1	2	0	3	0
Pre-Employment		10	0	0	0	0	0
<b>Total</b>		<b>271</b>	<b>3</b>	<b>85</b>	<b>0</b>	<b>495</b>	<b>5</b>

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

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal To Test
Licensee Employees	0	0	0	0	0	3	0
Long -Term Contractors	0	0	0	0	0	0	0
Short -Term Contractors	1 /	4	0	0	0	0	0
TOTAL	1 /	4	0	0	0	3	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 ComEd'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

### Management Actions and Sanctions

Eight positive tests resulted in the denial or revocation of unescorted access of two licensee employees and five short-term contractors.

### Events Reported

There were no 24-hour reportable events during this reporting period.

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

**COMMONWEALTH EDISON COMPANY**

Company

**December 31, 1997**

Six Months Ending

**CORPORATE NUCLEAR OPERATIONS**

Location

**Judith C. Papaleo**

Contact Name

**630-663-6565**

Phone (include area code)

Cutoffs: Screen/Confirmation (ng/ml) / \_\_\_\_\_ / 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		Short -Term Contractor	
		Number Tested	Number Positive	Number Tested	Number Positive	Number Tested	Number Positive
Average with Unescorted Access		780		0		0	
Pre-Access		44	0	0	0	23	0
For Cause	Post Accident	0	0	0	0	0	0
	Observed Behavior	0	0	0	0	0	0
Random		205	0	0	0	2	0
Follow-up		6	0	0	0	6	0
Other		6	0	0	0	0	0
Pre-Employment		117	0	0	0	3	0
<b>Total</b>		<b>378</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>34</b>	<b>0</b>

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

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal To Test
Licensee Employees	0	0	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	0	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 ComEd'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**

### **Management Actions and Sanctions**

There were no positive test results requiring action during this reporting period.

Four hundred fifty six (456) on-site tested negative quality control specimens were submitted to the SAMHSA laboratory during this period. 455 specimens were confirmed negative by the laboratory. One specimen confirmed positive at the laboratory following GC/MS testing. This specimen tested on-site at 98% of the positive threshold and was a valid negative. The on-site immunoassay test instrument was calibrated according to manufacturer's recommendations. A review of the seven other specimens tested during the run yielded no abnormalities. The Laboratory Forensic Testing Director was provided on-site screening information. She noted that when this specimen was tested on-site, it was not consistent with a true negative test, although it was just under the positive threshold. The Laboratory Director concluded the overall accuracy of the on-site specimen screening program is acceptable under instrument accuracy standards. The false negative test result may be attributed to variability of reagents and/or differences in on-site and laboratory test equipment.

Blind performance testing was conducted at a rate of ten percent. Thirty-eight (38) specimens were submitted to the laboratory. All results were reported correctly.

Seven (7) Fitness For Duty program violation appeals were received for this period. The ComEd Executive Review Board upheld all violation decisions.

Eighty-two (82) positive test results were confirmed positive by the Medical Review Officer. Additionally, four (4) positive specimens were reanalyzed and re-confirmed positive.

### **Events Reported**

There were no 24-hour reportable events during the period.