



**FPL Energy**  
Seabrook Station

FPL Energy Seabrook Station  
P.O. Box 300  
Seabrook, NH 03874  
(603) 773-7000

**AUG 26** 2004

Docket No. 50-443

SBK-L-04019

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555-0001

Seabrook Station  
Semi-Annual Fitness-For-Duty Report

In accordance with the requirements of 10 CFR 26.71(d), enclosed is the FPL Energy Seabrook, LLC Semi-Annual Fitness-For-Duty Report. This report includes data from January 1, 2004 through June 30, 2004.

Should you have any questions regarding the enclosed report, please contact Mr. John Giarrusso Jr., Security Manager, at (603) 773-7583.

Very truly yours,

FPL Energy Seabrook, LLC

---

Mark E. Warner  
Site Vice President

cc: S. J. Collins, NRC Region I Administrator  
S. P. Wall, NRC Project Manager, Project Directorate I-2  
G. T. Dentel, NRC Senior Resident Inspector

4021

**ENCLOSURE TO SBK-L-04019**

**FPL Energy Seabrook, LLC**

**Semi-Annual Fitness-for-Duty Report**

**January 01, 2004, through June 30, 2004**



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

FPL Energy Seabrook, LLC

Six Month Period Ending: 30 June 2004

P.O. Box 300

Seabrook, NH 03874

Contact: John Giarrusso Jr.

Phone: (603) 773-7583

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

Marijuana 50/ 15 Amphetamines 1000/ 500 Nitrite 500

Cocaine 300/ 150 Phencyclidine 25/ 25

Opiates 300/ 300 Alcohol (% BAC) 0.04

Random Testing Rate Required: 50% Conducted: 51%

Testing Results		Licensee Employees		Long-Term Contractors		Short-Term Contractors	
Average Number with Unescorted Access		643		0		441	
Categories		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		23	2	0	0	244	6
Post Accident or Observed Behavior	For Cause	0	0	0	0	0	0
		2	1	0	0	12	3
Random		177	0	0	0	104	0
Follow-up		36	0	0	0	7	0
Other		0	0	0	0	0	0
Total		238	3	0	0	367	9

**Breakdown of Confirmed Positive Tests for Specific Substances**

	Marijuana		Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal to Test	Nitrite	2	3	4	
	NRC	FPLE											
	Cutoff Level												
	100 ng	50 ng											
Licensee Employees	1	1					1						
Long-Term Contractors													
Short-Term Contractors	5		2				2	1					A
<b>Total</b>	<b>6</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13</b>

### PROGRAM EFFECTIVENESS

The data compiled during this reporting period is presented in the graphic analysis beginning after the management summary in this report.

The failure rate for all tests conducted during the first half of 2004 is 1.98% (12 of 605). The licensee failure rate is 0.49% and the short-term contractor failure rate is 1.49%.

Licensees account for 3 failures -- 2 Pre-Access (2 Marijuana)  
1 For Cause (Alcohol)

Contractors account for 9 failures - 6 Pre-Badging (4 Marijuana, 1 Cocaine,  
1 Marijuana & Cocaine)  
3 For Cause (2 Alcohol, 1 Administrative)

All available evidence indicates that the continued support of FPL Energy – Seabrook Station management and employees has provided the basis for the FFD program's effective implementation and continued advancement toward the goal of achieving a workplace free of drugs and alcohol and the effects of such substances.

### INITIATIVES

1. Recertified five collection personnel for proficiency in urine specimen collection and breath alcohol measurement.
2. Continued cross training with the In-Processing Center.
3. Attended Quality Improvement Program Training to help align AA/FFD programs with all three FPL Nuclear plants and Juno Beach.
4. Revised 4 Office Instructions, and Protocols.
5. During the last audit there were several procedural enhancements identified and 2 findings. All have been addressed and rectified.

BLIND SPECIMEN REPORT

To ensure laboratory quality control, FPL Energy – Seabrook Station contracted with Duo Research Inc., Denver, CO, to provide blind performance test specimens in accordance with the NRC Guidelines (10CFR26, Appendix A). Approximately 80 percent of these blind performance test specimens were blank (i.e., certified to contain no drug) and the remaining samples were positive for one or more drugs per sample in a distribution such that all the drugs tested were included in approximately equal frequencies of challenge.

During the first half of 2004, FPL Energy submitted 70 blind performance test specimens to Quest Diagnostics, Inc., Norristown, PA. The following statistics are presented in such a way as to show that the requirements were met during each quarter of this six-month period as well as for the total reporting period.

First Quarter of 2004

Tests Submitted: 241

Blinds Required: 25

Blinds Submitted: 25

Exceeded 10% by: 0

Negative: 20 (80%)

Positive: 5 (20%)

Second Quarter of 2004

Tests Submitted: 364

Blinds Required: 37

Blinds Submitted: 45

Exceeded 10% by: 8

Negative: 36 (80%)

Positive: 9 (20%)

First Half of 2004

Tests Submitted: 605

Blinds Required: 61

Blinds Submitted: 70

Exceeded 10% by: 9

Negative: 56 (80%)

Positive: 14 (20%)

TELEPHONICALLY REPORTED EVENTS

During this period there were no telephonically reported events under the reporting requirements of 10CFR26.

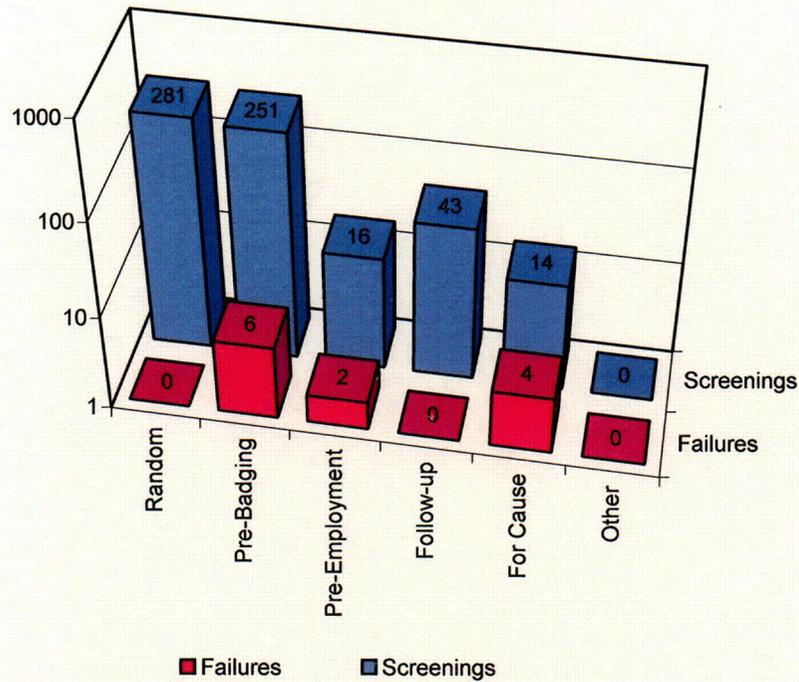
The following is a Graphic Analysis

---

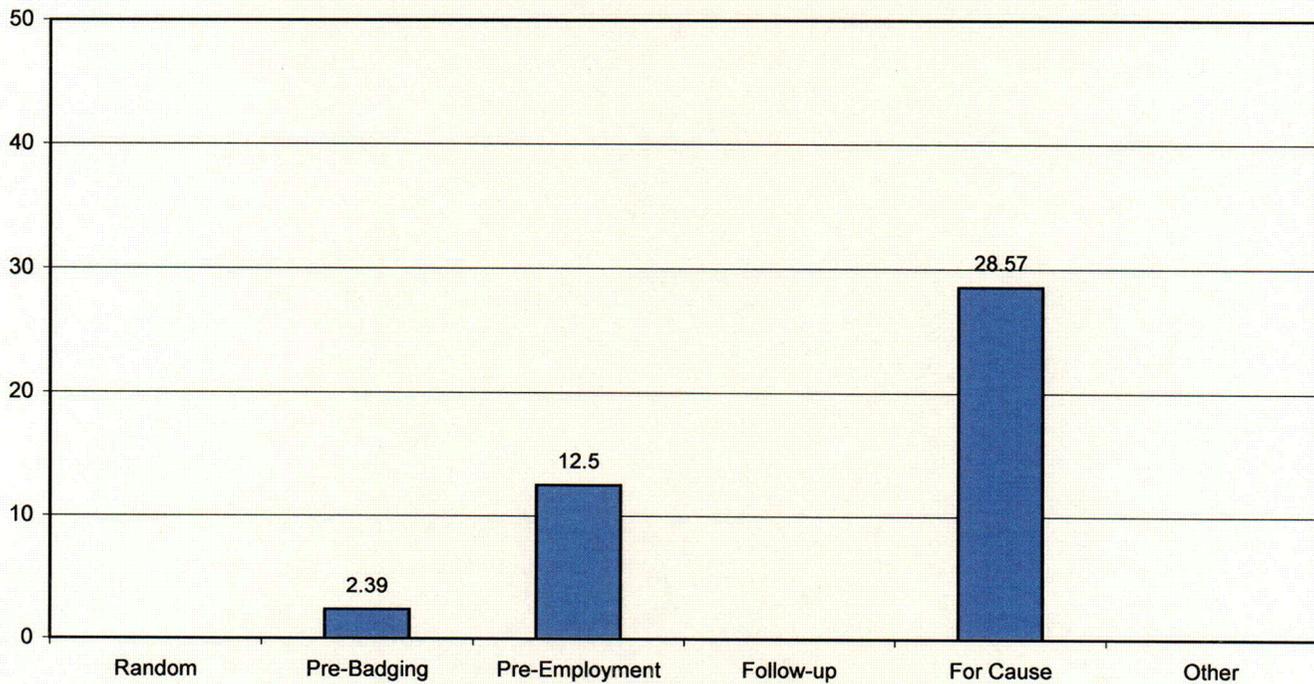
For the Period  
January 01, 2004 through June 30, 2004  
(pages 7-10)

### Total Screenings vs. Failures by Test Type

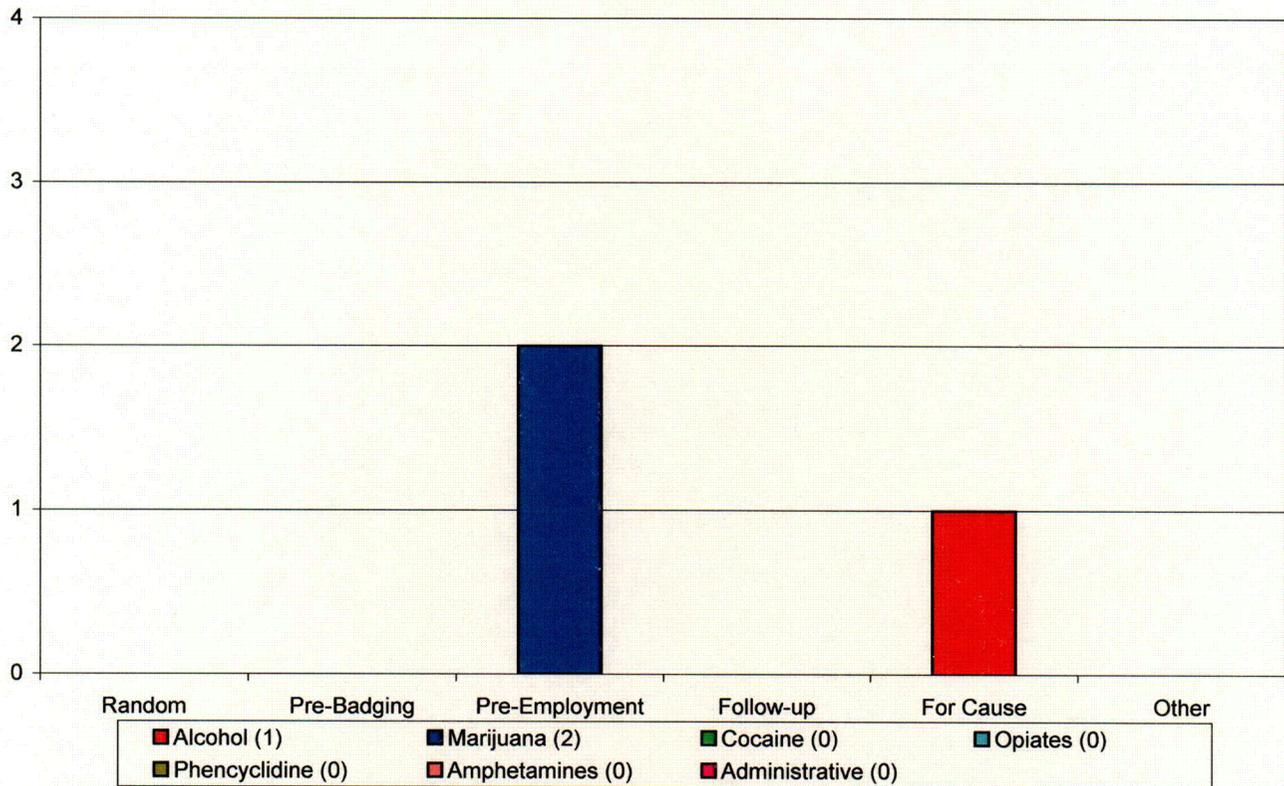
Total Screenings: 605  
Total Failures: 12



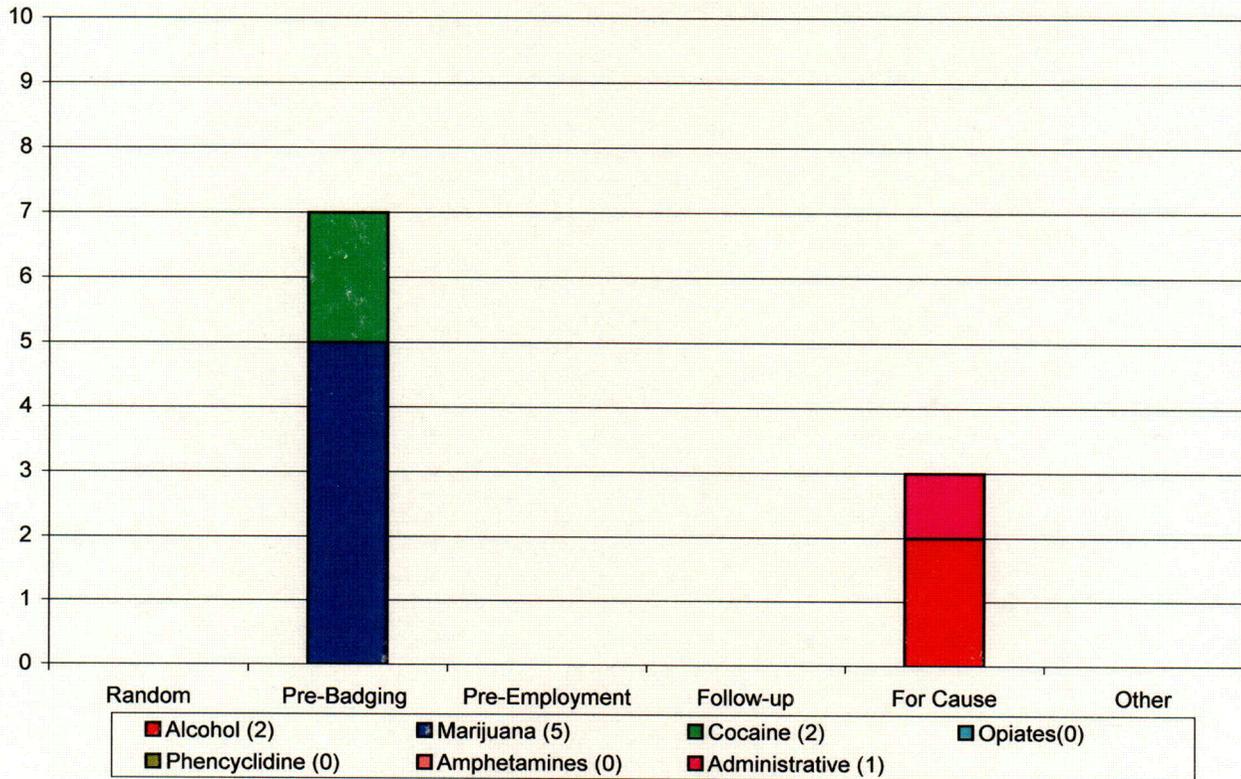
### Percentage of Failures by Test Type



### Licensee Failures by Substance

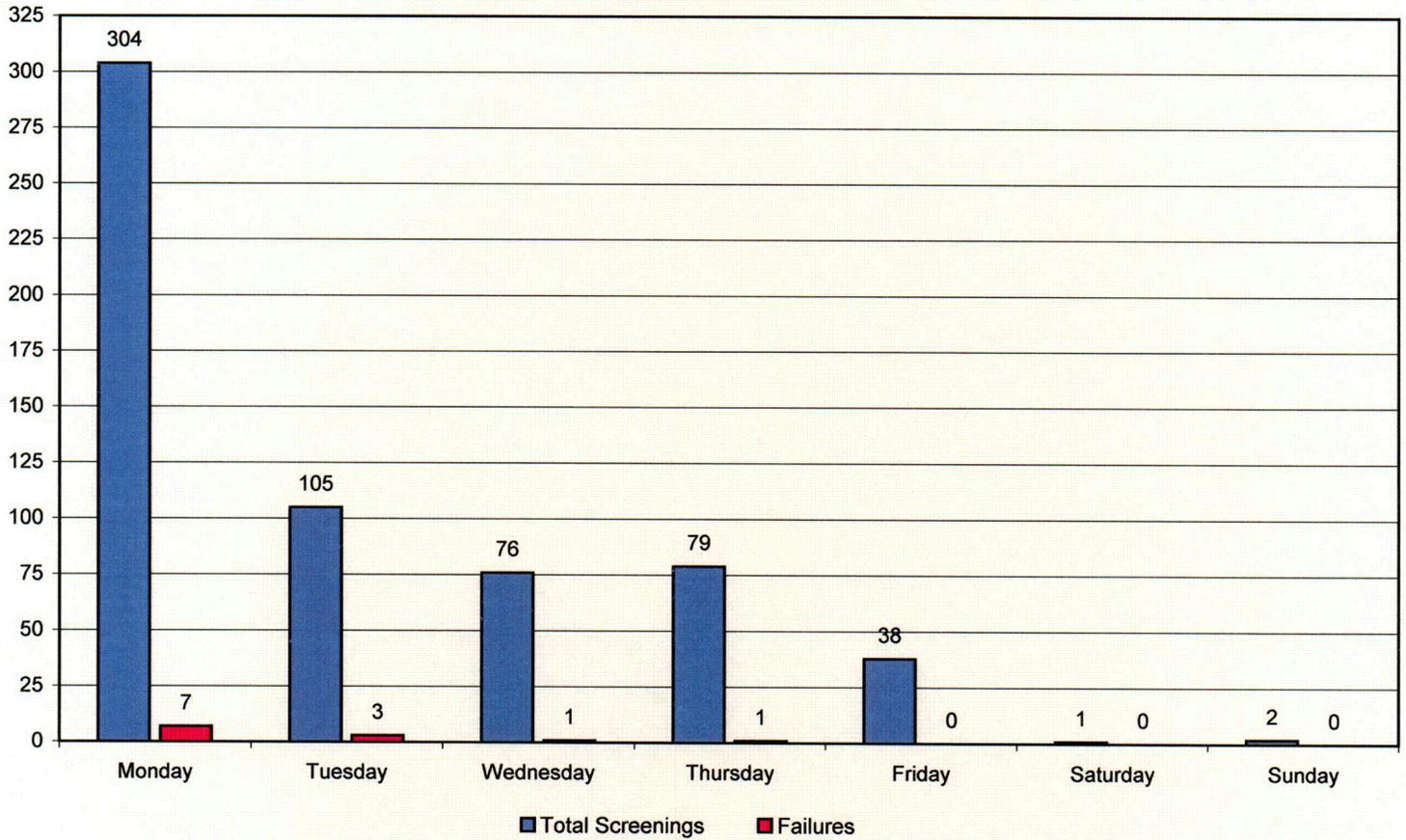


### Contractor Failures by Substance



C02

### Total Screenings vs. Failures by Day of Week



### Reason for Failure by Day of Week

