



**North  
Atlantic**

North Atlantic Energy Service Corporation  
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The Northeast Utilities System

July 31, 2002

Docket No. 50-443

NYN-02073

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, please find the North Atlantic Energy Service Corporation Semi-Annual Fitness-For-Duty Report. This report includes data from January 1, 2002 through June 30, 2002.

Should you have any questions regarding the enclosed revisions, please contact Mr. James J. Pandolfo, Security Manager, at (603) 773-7047.

Very truly yours,

NORTH ATLANTIC ENERGY SERVICE CORP.

Ted C. Feigenbaum  
Executive Vice President and  
Chief Nuclear Officer

cc: H. J. Miller, NRC Region I Administrator  
R. D. Starkey, NRC Project Manager, Project Directorate I-2  
G. T. Dentel, NRC Senior Resident Inspector

A021

**ENCLOSURE TO NYN-02073**

**North Atlantic Energy Service Corporation**

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

**January 01, 2002, through June 30, 2002**

North Atlantic Energy Service Corporation  
Semi-Annual Fitness-for-Duty Report  
for period ending June 30, 2002

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

North Atlantic Energy Service Corporation

Six Month Period Ending: 30 June 2002

P.O. Box 300

Seabrook, NH 03874

Contact: James J. Pandolfo

Phone: (603) 773-7047

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: 54%

| Testing Results                       |           | Licensee Employees |            | Long-Term Contractors |            | Short-Term Contractors |            |
|---------------------------------------|-----------|--------------------|------------|-----------------------|------------|------------------------|------------|
| Average Number with Unescorted Access |           | 802                |            | 3                     |            | 612                    |            |
| Categories                            |           | # Tested           | # Positive | # Tested              | # Positive | # Tested               | # Positive |
| Pre-Access                            |           | 13                 | 1          | 0                     | 0          | 537                    | 17         |
| Post Accident or Observed Behavior    | For Cause | 0                  | 0          | 0                     | 0          | 0                      | 0          |
| Random                                |           | 6                  | 2          | 0                     | 0          | 19                     | 4          |
| Random                                |           | 220                | 1          | 1                     | 0          | 165                    | 1          |
| Follow-up                             |           | 43                 | 1          | 0                     | 0          | 19                     | 0          |
| Other                                 |           | 3                  | 0          | 0                     | 0          | 10                     | 0          |
| Total                                 |           | 285                | 5          | 1                     | 0          | 750                    | 22         |

### Breakdown of Confirmed Positive Tests for Specific Substances

|                        | Marijuana    |        | Cocaine | Opiates | Amphetamines | Phencyclidine | Alcohol | Refusal to Test | Nitrite | 2 | 3 | 4 |         |
|------------------------|--------------|--------|---------|---------|--------------|---------------|---------|-----------------|---------|---|---|---|---------|
|                        | NRC          | NAESCO |         |         |              |               |         |                 |         |   |   |   |         |
|                        | Cutoff Level |        |         |         |              |               |         |                 |         |   |   |   |         |
|                        | 100 ng       | 50 ng  |         |         |              |               |         |                 |         |   |   |   |         |
| Licensee Employees     | 1            |        |         |         |              |               | 4       |                 |         |   |   |   |         |
| Long-Term Contractors  |              |        |         |         |              |               |         |                 |         |   |   |   |         |
| Short-Term Contractors | 9            | 4      | 3       |         |              |               | 4       | 2               |         |   |   |   |         |
| <b>Total</b>           | 10           | 4      | 3       | 0       | 0            | 0             | 8       | 2               | 0       | 0 | 0 | 0 | A<br>27 |

### PROGRAM EFFECTIVENESS

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

During the first half of 2002 North Atlantic Energy Service Corporation (NAESCO) conducted 1,036 tests. There were 27 failures, resulting in a positive test rate of 2.61%. In the next two paragraphs these figures are broken down into two categories – outage contractors, and stable workforce. The stable workforce is then broken down into two categories – licensees and contractors.

During this period NAESCO processed approximately 905 short-term contractors to work a refueling outage. Approximately 617 tests were conducted on these individuals, resulting in 19 positive tests and a positive test rate of 3.08%. There were 12 marijuana failures, three alcohol failures, two cocaine failures, and two administrative failures (one failed to show for pre-access test and one refused to test for cause).

At the same time, there were approximately 419 tests conducted on the stable workforce, resulting in 8 positive tests and a positive test rate of 1.91%.

- Licensees account for five failures. There were four alcohol failures, and one marijuana failure.
- Contractors account for three failures. There was one failure for each of these substances – alcohol, marijuana, and cocaine.

Nearly 30 percent (4 of 14) of the marijuana failures this period were detected at North Atlantic's 50ng cutoff level.

There were three cocaine failures during this reporting period. Because NAESCO experienced a dramatic increase in cocaine failures in 1999, all cocaine failures from 1990 have been tracked. The 1999 increase has now been determined to be an anomaly, not a trend.

All available evidence indicates that the continued support of NAESCO 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. Trained all collectors in use of new breath alcohol testing devices (RBT IV's).
2. Recertified nine collection personnel for proficiency in urine specimen collection and breath alcohol measurement.
3. Updated one Office Instruction.
  - OI-13: Modified to accommodate a secondary FFD outage location, and a change in shipping supplies provided by the testing laboratory.
4. Added one new Office Instruction.
  - OI-14: FFD Procedures and Forms for use in FFD Outage Trailer  
(Current procedures and forms modified to accommodate trailer location)
5. Took a variety of actions to maximize efficiency of FFD as it relates to in-processing of contractors to work refueling outage.
  - Initiated use of a trailer as a satellite FFD location near other in-processing functions.
  - Temporarily expanded FFD hours of operation.
  - Modified and created FFD documents as needed to accommodate second testing location.
6. Continued efforts to encourage use of the Voluntary Testing program.

BLIND SPECIMEN REPORT

To ensure laboratory quality control, North Atlantic Energy Service Corporation 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 2002, NAESCo submitted 118 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 2002

Tests Submitted: 401

Blinds Required: 41

Blinds Submitted: 50

Exceeded 10% by: 9

Negative: 40 (80%)

Positive: 10 (20%)

Second Quarter of 2002

Tests Submitted: 655

Blinds Required: 66

Blinds Submitted: 68

Exceeded 10% by: 2

Negative: 55 (81%)

Positive: 13 (19%)

First Half of 2002

Tests Submitted: 1056

Blinds Required: 106

Blinds Submitted: 118

Exceeded 10% by: 12

Negative: 95 (81%)

Positive: 23 (19%)

TELEPHONICALLY REPORTED EVENTS

During this period there were two (2) telephonically reported events under the reporting requirements of 10CFR26.

1.     Date of Report:                   25 January 2002  
       Position of Individual:        NAESCo Supervisor  
       How Discovered:                Random  
       Substance:                     Alcohol  
       Management Action Taken:
  - Suspended the individual's unescorted access to Seabrook Station for a minimum of fourteen (14) calendar days per North Atlantic FFD procedure.
  - Withdrew the individual's unescorted access until return to work requirements are met.
  - Referred the individual to the Employee Assistance Program for assessment per North Atlantic FFD procedure.
  - Reviewed the individual's prior work.
  - Placed individual in a follow-up testing program for three (3) years upon return to work.
  
2.     Date of Report:                   23 May 2002  
       Position of Individual:        Short Term Contractor / Craft Foreman  
       How Discovered:                Random  
       Substance:                     Alcohol  
       Management Action Taken:
  - Suspended the individual's unescorted access to Seabrook Station for a minimum of thirty (30) calendar days per North Atlantic FFD procedure.
  - Withdrew the individual's unescorted access until return to work requirements are met.
  - Referred the individual to the Employee Assistance Program for assessment per North Atlantic FFD procedure.
  - Reviewed the individual's prior work.

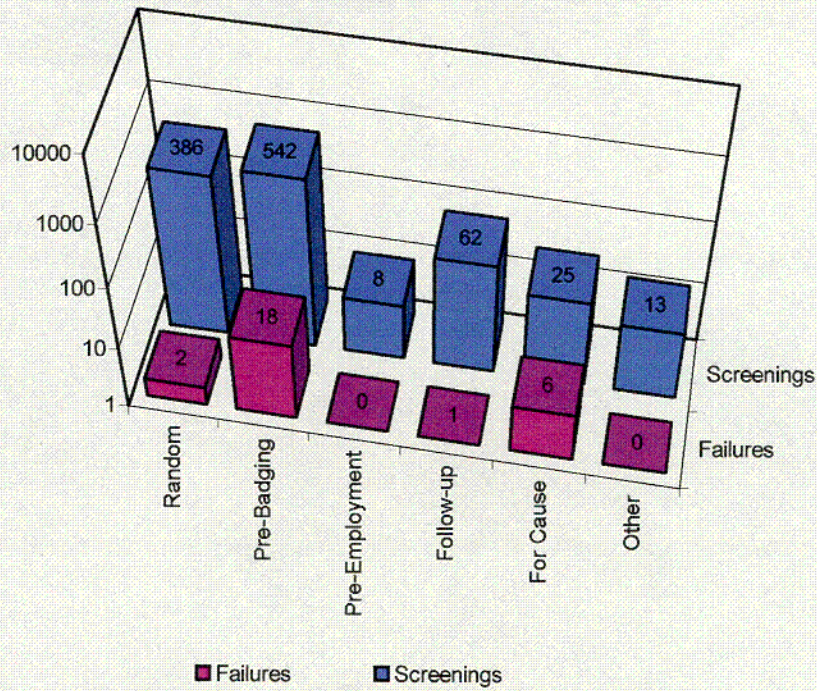
**The following is a Graphic Analysis**

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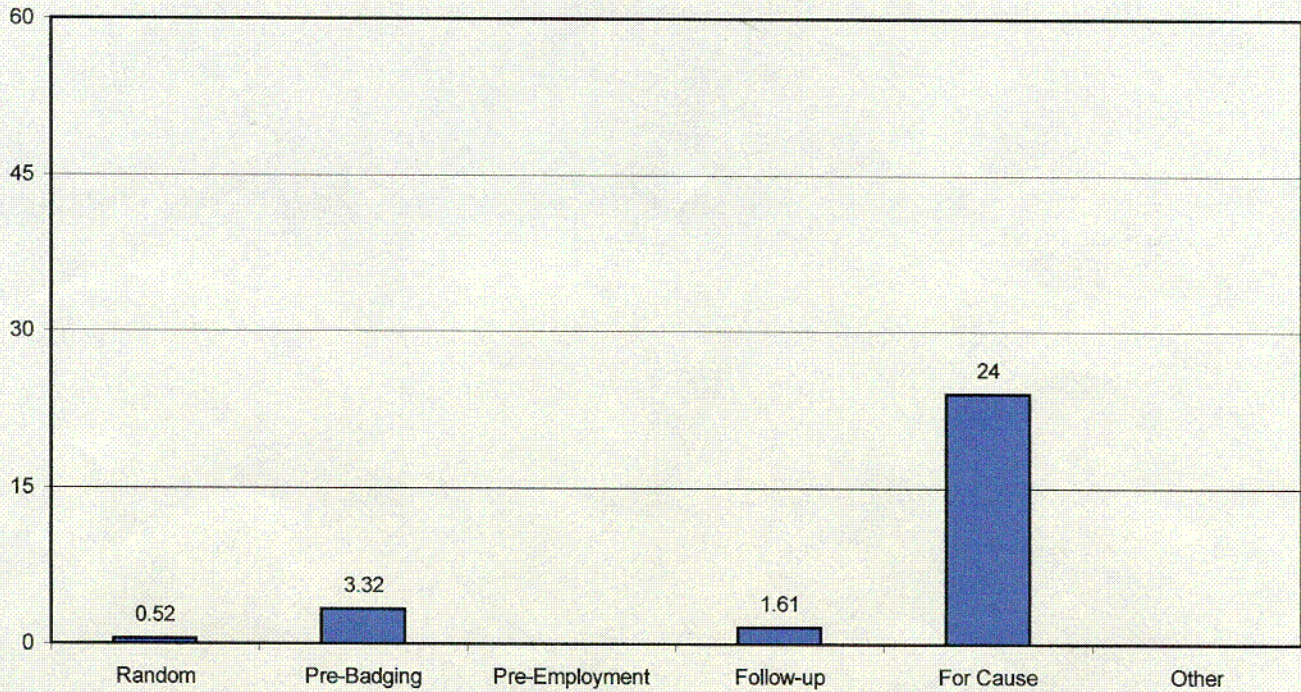
**For the Period  
January 01, 2002, through June 30, 2002  
(pages 7-10)**

### Total Screenings vs. Failures by Test Type

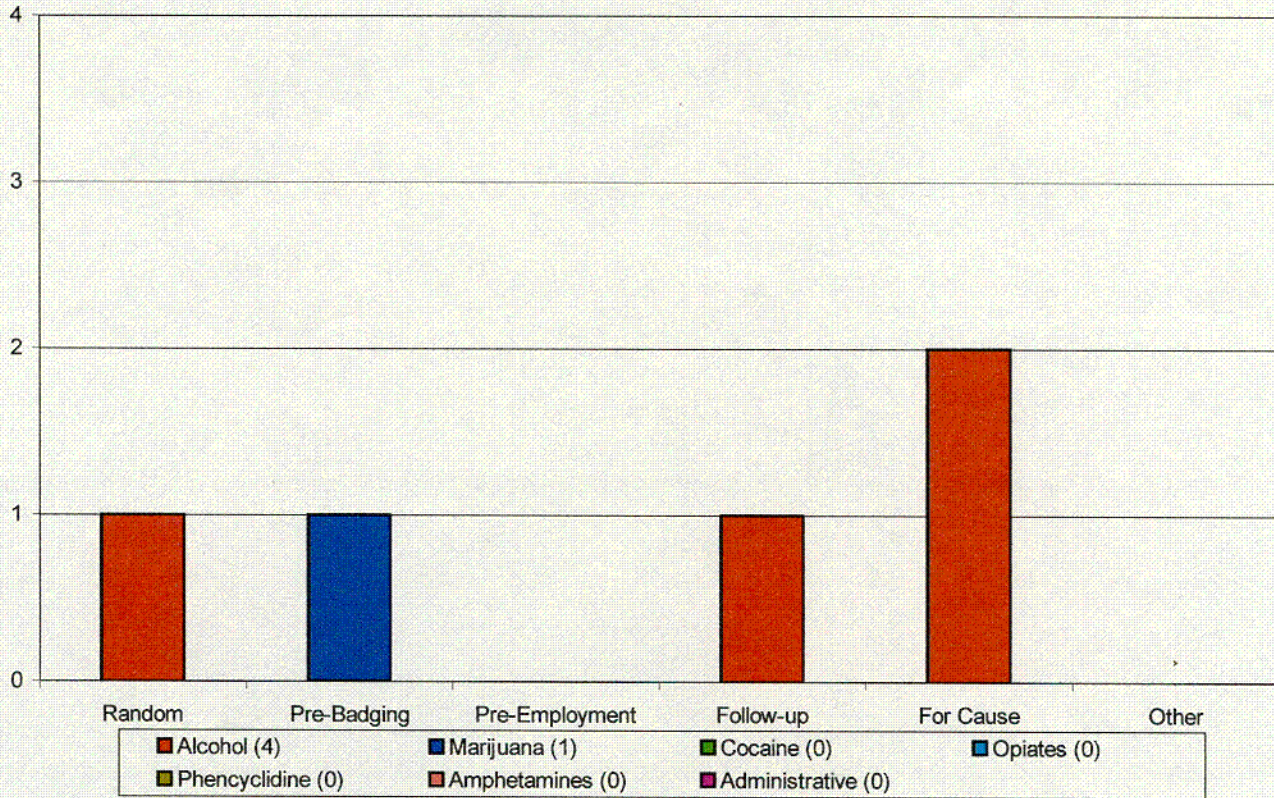
Total Screenings: 1036  
Total Failures: 27



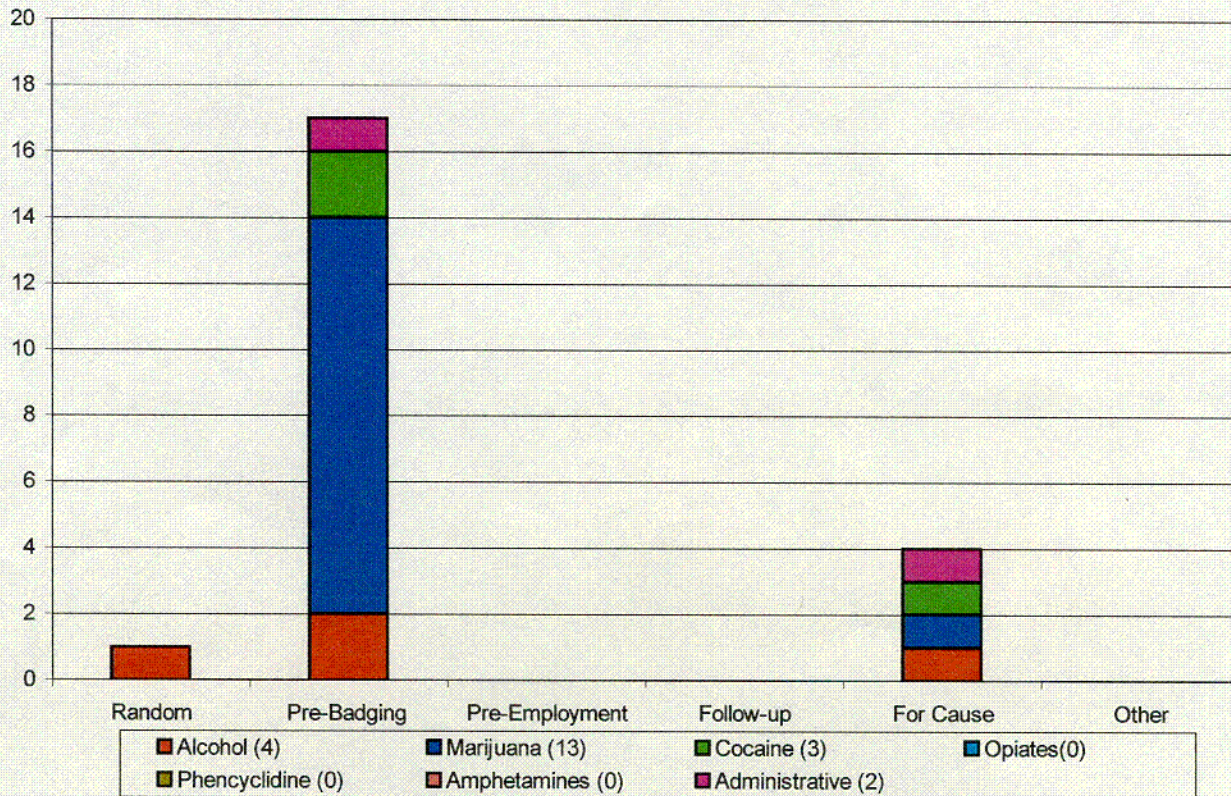
### Percentage of Failures by Test Type



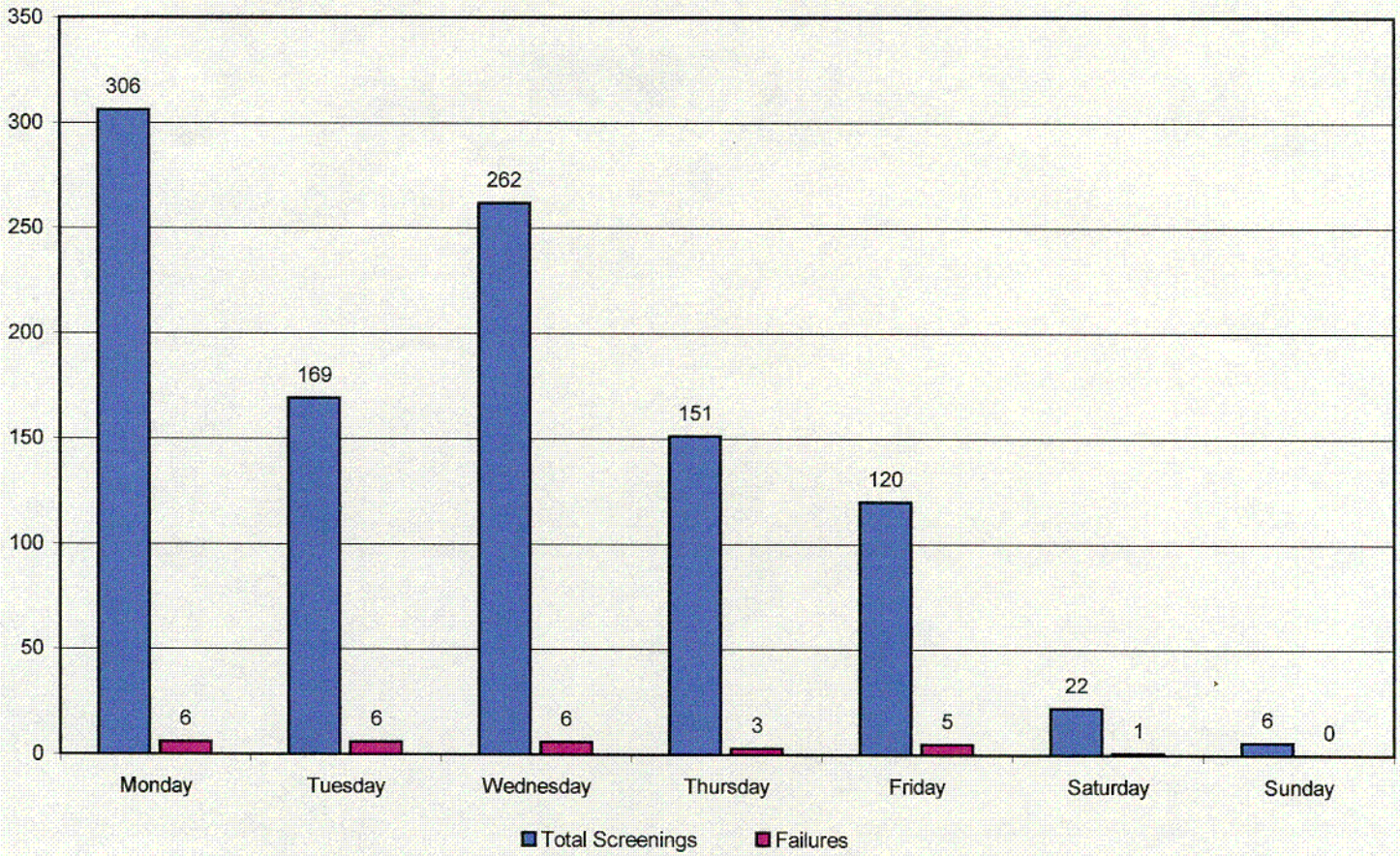
### Licensee Failures by Substance



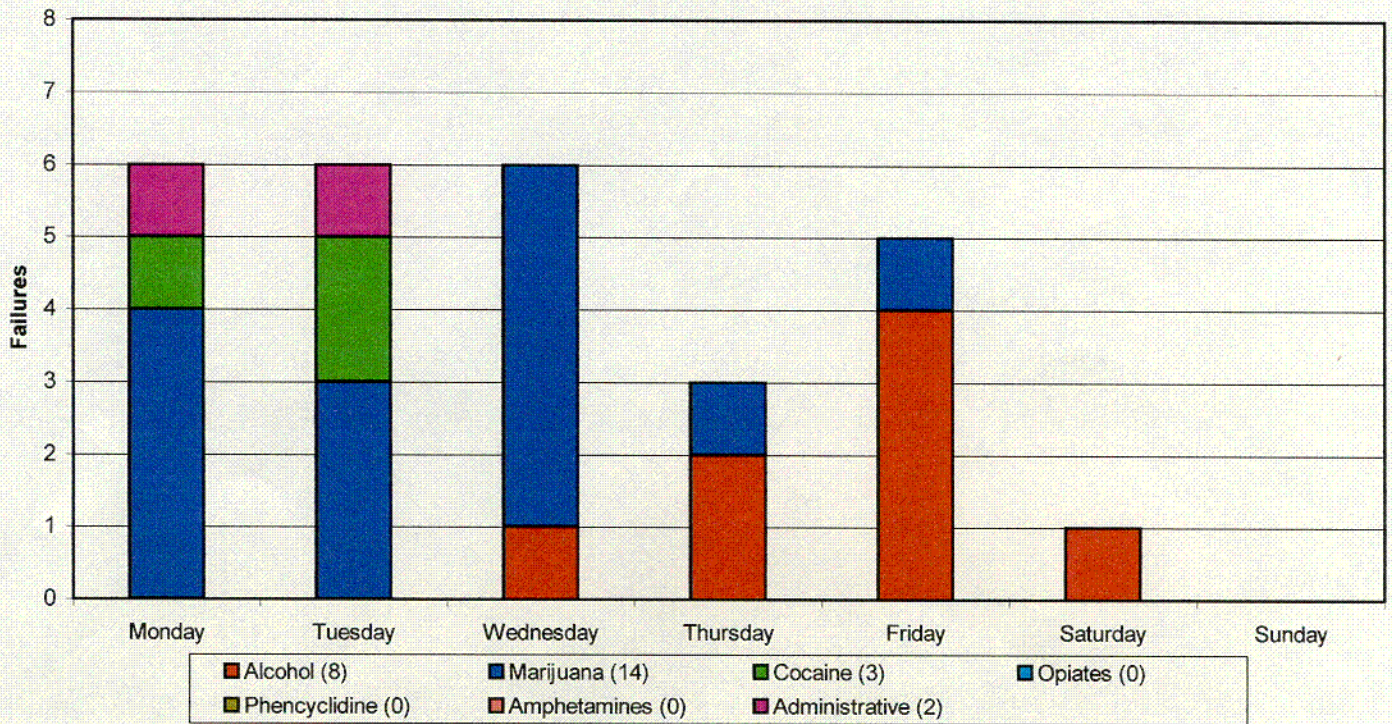
### Contractor Failures by Substance



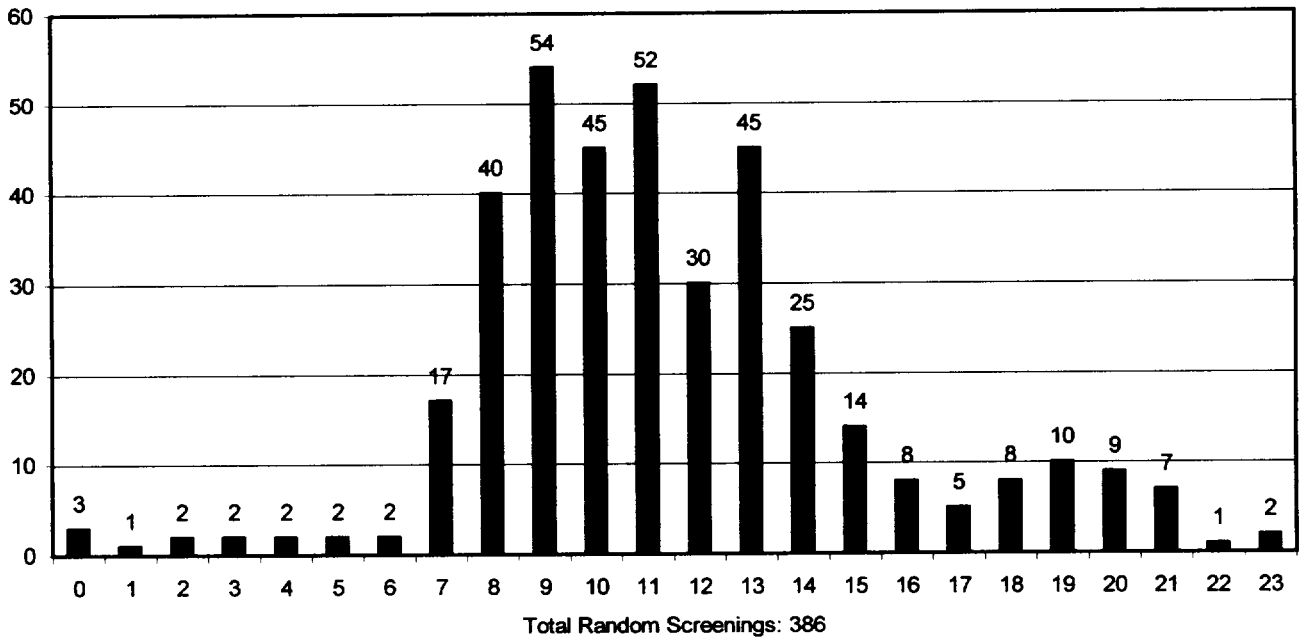
### Total Screenings vs. Failures by Day of Week



### Reason for Failure by Day of Week



### Random Screenings by Hour of Day



### Random Screenings by Day of Week

