



**North
Atlantic**
Energy Service Corporation

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Senior Vice President and
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NYN-93013

January 29, 1993

United States Nuclear Regulatory Commission
Washington, D.C. 20555

Attention: Document Control Desk

Reference: Facility Operating License No. NPF-86, Docket No. 50-443

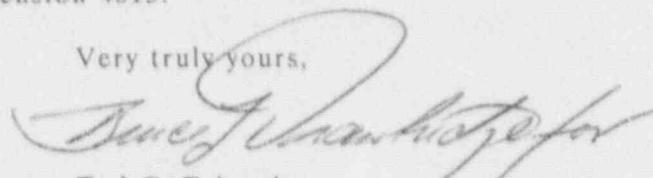
Subject: North Atlantic Energy Service Corporation Semiannual Fitness-For-Duty
Report

Gentlemen:

In accordance with the requirements of 10CFR 26.71(d), enclosed please find the North Atlantic Energy Service Corporation Semiannual Fitness for Duty Report. This report includes data from July 1, 1992 through December 31, 1992.

Should you have any questions regarding this report, please contact Mr. Bruce R. Seymour, Security Manager, at (603) 474-9521, extension 4015.

Very truly yours,



Ted C. Feigenbaum

TCF:MJM/act

Enclosure

cc: Mr. Thomas T. Martin
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North Atlantic
January 29, 1993

ENCLOSURE TO NYN-93013

North Atlantic
Fitness For Duty

Semi-Annual Report
01 Jul92 - 31 Dec92

Personnel Subject to 10CFR 26

North Atlantic Energy Service Corporation
Semi-Annual Fitness-for-Duty Report
for period ending December 31, 1992

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

North Atlantic Energy Service Corporation		December 31, 1992
P.O. Box 300	<small>Company</small>	6 Months Ending
Seabrook, NH 03874		
<small>Location</small>		
Bruce R. Seymour	(603) 474-9521 Ext. 4015	
<small>Contact Name</small>		<small>Phone (include area code)</small>
Cutoffs: Screen/Confirmation (ng/ml) <input checked="" type="checkbox"/> Appendix A to 10CFR 26		
Marijuana /	Amphetamines /	/
Cocaine /	Phencyclidine /	/
Opiates /	Alcohol (% BAC)	/

Testing Results		Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access		874		13		632	
Categories		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		25		0		751	5
For Cause	Post accident	0		0		0	
	Observed behavior	1	1	0		3	
Random		477	1	8		321	4
Follow-up		38		0		42	
Other		5		0		5	
Total		546	2	8	0	1122	9

[illegible][illegible]

PROGRAM EFFECTIVENESS

North Atlantic Energy Service Corporation has been involved in the systematic collection and analysis of objective FFD data since the inception of the current regulations. The information collected for this period is presented in the graphic analysis beginning after the management summary in this report.

During this period NAESCO brought in over 800 short-term contractors to work a refueling outage. Approximately 950 pre-badging and random tests were conducted on these short-term contractors, resulting in six positive tests (of the six positive tests five were pre-badging and one was random). If these refueling outage related tests are deducted from the total tests, the positive percentage rate for non-outage related tests is approximately 0.59% for this period.

For the year, 1992, the positive percentage rate, not including the refueling outage tests, was 0.34%. This rate is lower than the 0.40% positive rate NAESCO experienced in 1991.

There were no drug or alcohol related accidents or incidents in 1992 which had the possibility of affecting public health or safety.

All available evidence indicates that the continued support of management and employees has provided the basis for the FFD program's effectiveness in achieving a workplace free from the effects of drugs and alcohol.

INITIATIVES

The following items are a summary of initiatives taken by North Atlantic Energy Service Corporation based on program reviews and identified weaknesses.

1. Made adjustments in screening facility personnel schedules to accommodate FFD needs of second plant outage.
2. Recertified all collection personnel for proficiency in urine specimen collection and breath alcohol measurement process.
3. Coordinated development of computer software for reducing random screenings from 100% to 50% for licensee personnel.
4. Completed annual inspection and records audit of contracted testing laboratory. The laboratory was found to be in compliance with all NRC requirements. No major discrepancies were noted. Some minor recommendations were made.
5. Increased effectiveness of Drug and Alcohol Screening Facility Staff by cross training personnel in all tasks and responsibilities.
6. Consolidated FFD data base to increase efficiency in verifying information for pre-access testing and suitable inquiries.
7. Developed graphic analysis of trends in FFD data for the period from 1990 to 1992. (See pages 10 - 13.)

SUMMARY LIST OF TELEPHONICALLY REPORTED EVENTS

During this period there were no telephcnically reported events.

BLIND SPECIMENS

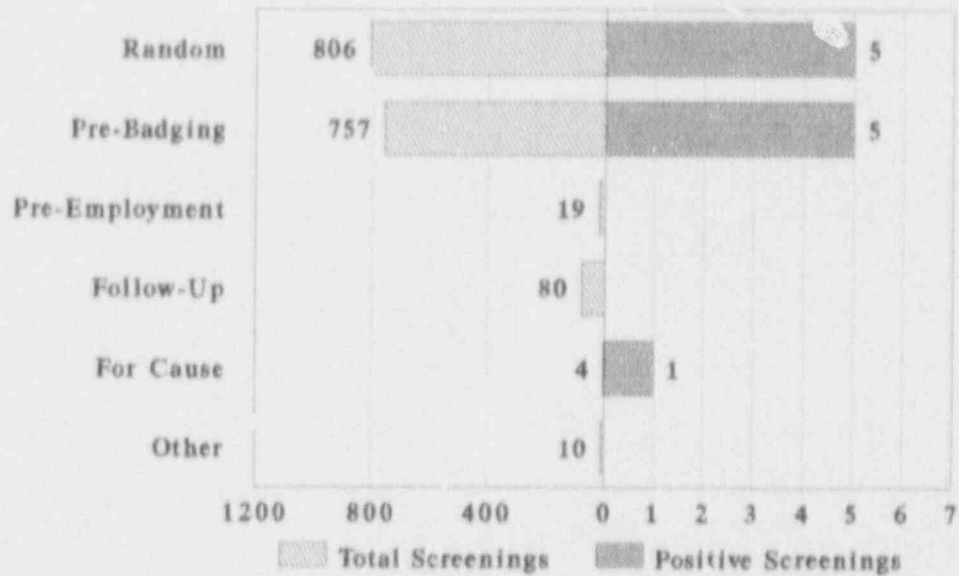
To ensure laboratory quality control, North Atlantic Energy Service Corporation contracted with Duo Research Inc., Stevensville, MD, to provide blind performance test specimens that were submitted to the contracted HHS-certified laboratory, SmithKline Beecham Clinical Laboratories, Philadelphia, PA, in accordance with the NRC Guidelines (10 CFR 26, Appendix A). Approximately 79 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 to be tested were included in approximately equal frequencies of challenge.

During the last six months of 1992, North Atlantic Energy Service Corporation submitted 185 blind performance test specimens to SmithKline Beecham Clinical Laboratories with the following results:

Negative:	147	(79%)
Positive:	<u>38</u>	(21%)
	185	

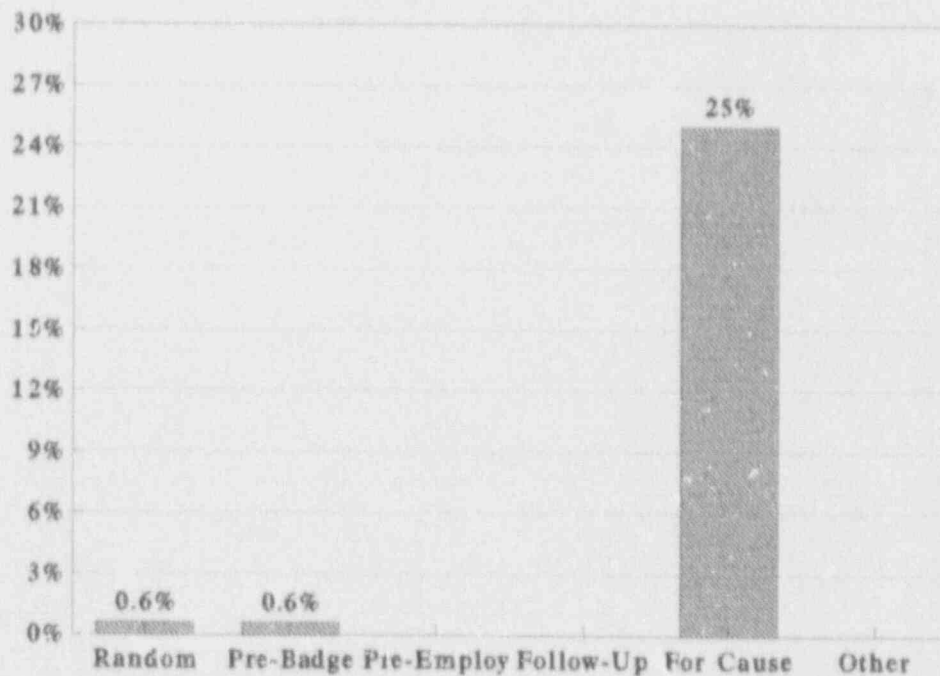
All blind performance test specimens were correctly identified by the laboratory.

Total Screenings vs. Positive Screenings

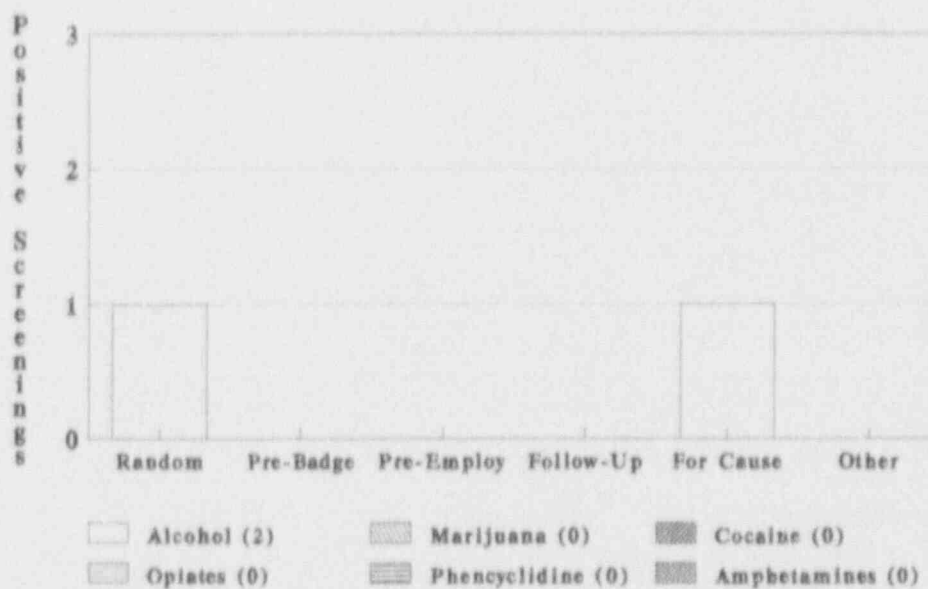


Total Screenings: 1676
Total Positive Screenings: 11

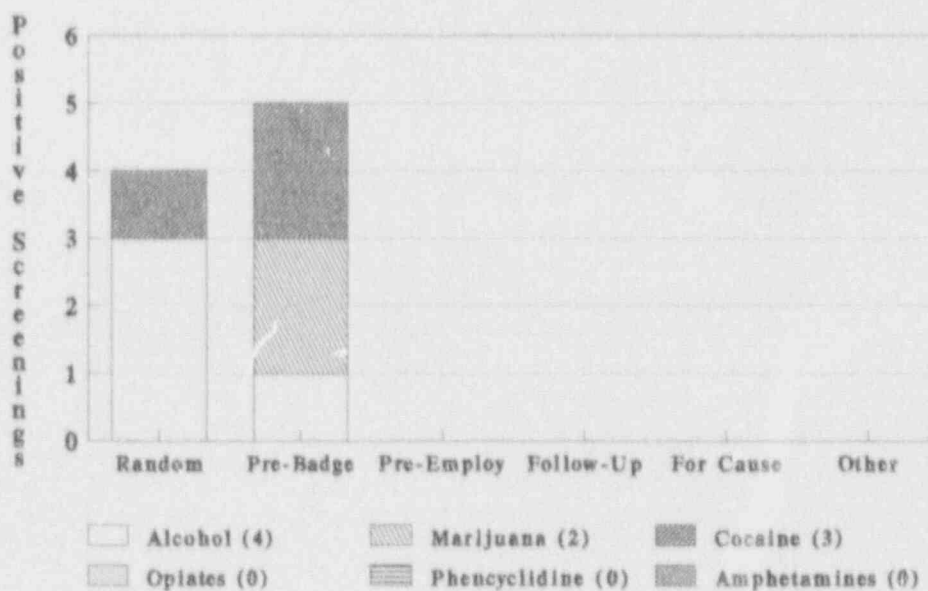
Positive Percentage of Screenings



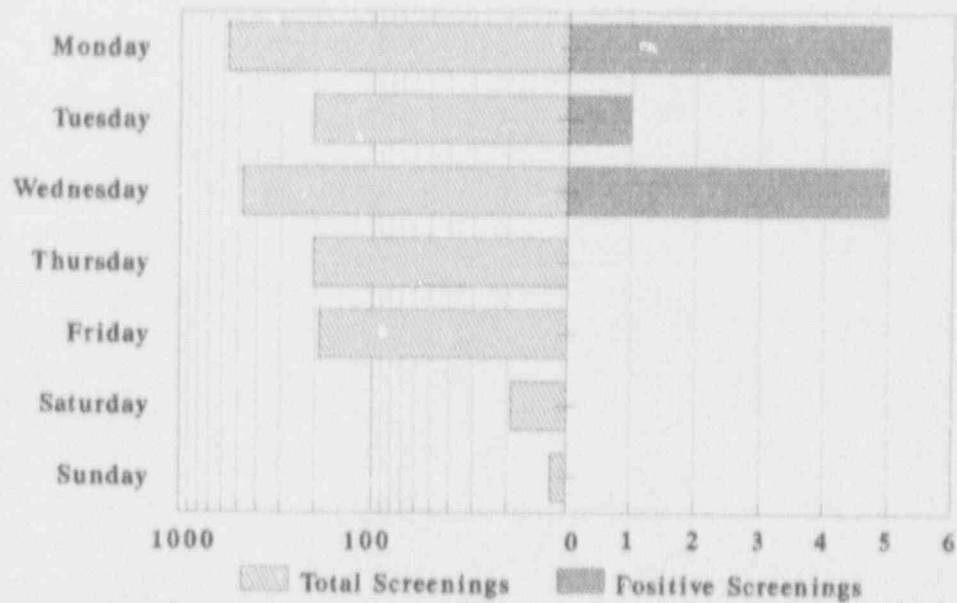
Positive Screenings Licensee Personnel



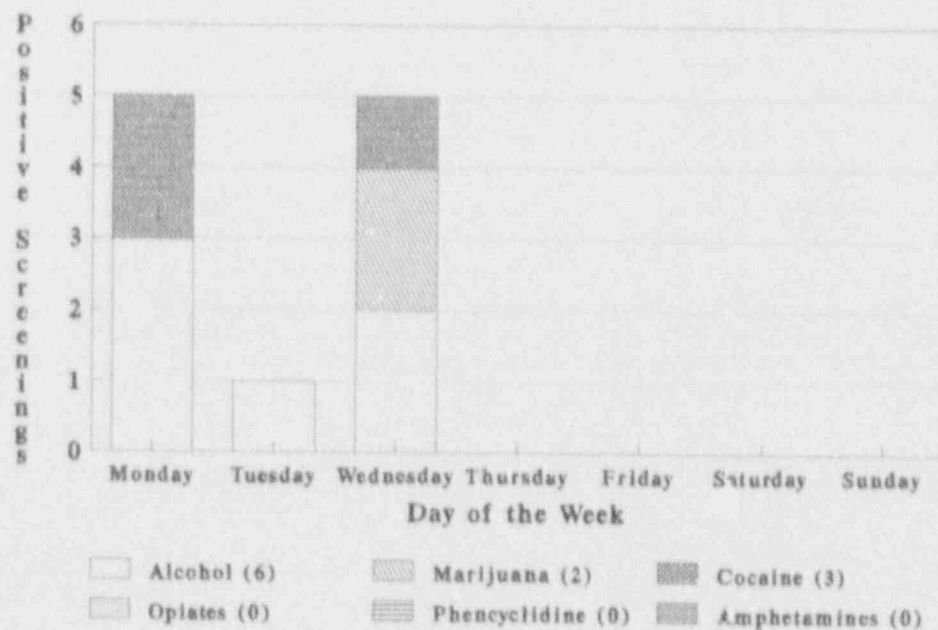
Positive Screenings Contractor Personnel



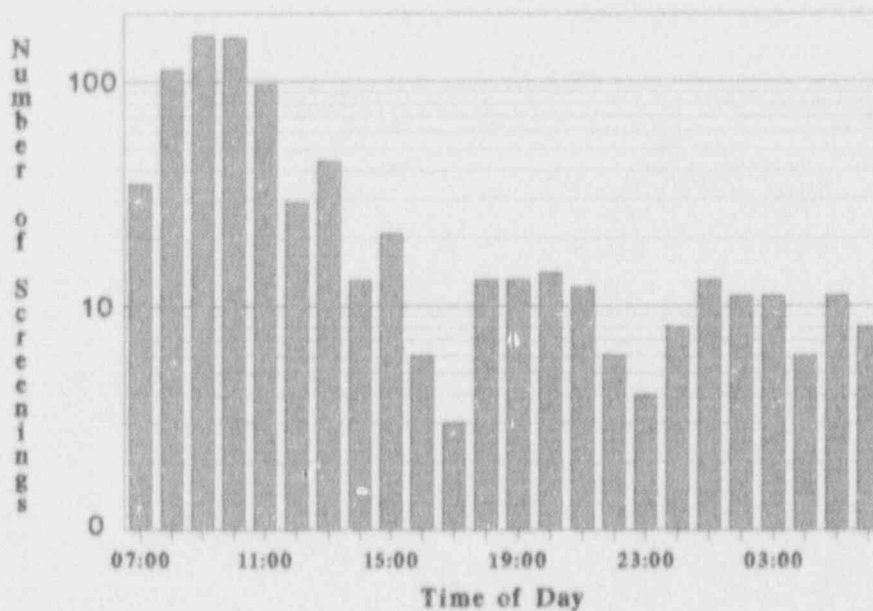
Total and Positive Screenings by Day of the Week



Substance by Day of the Week

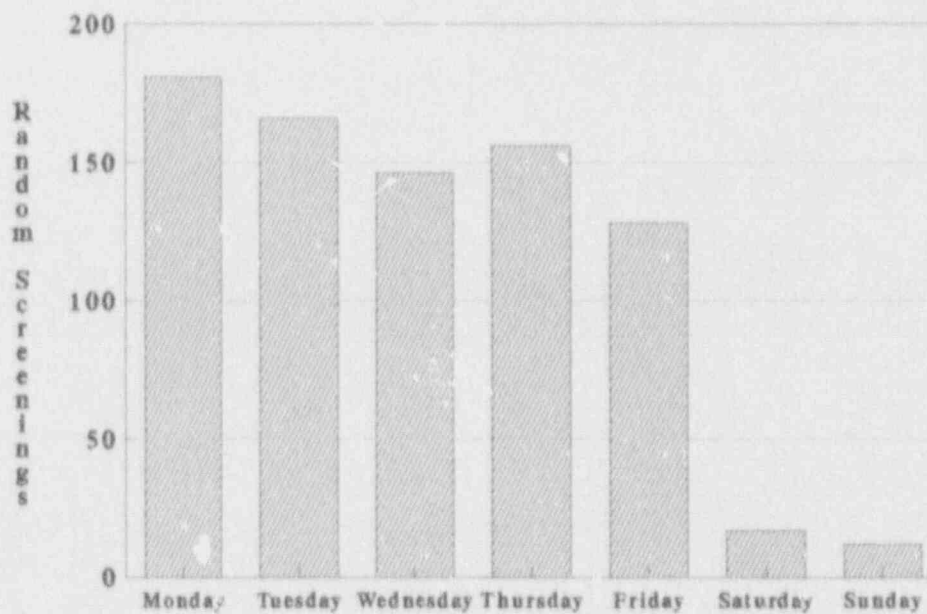


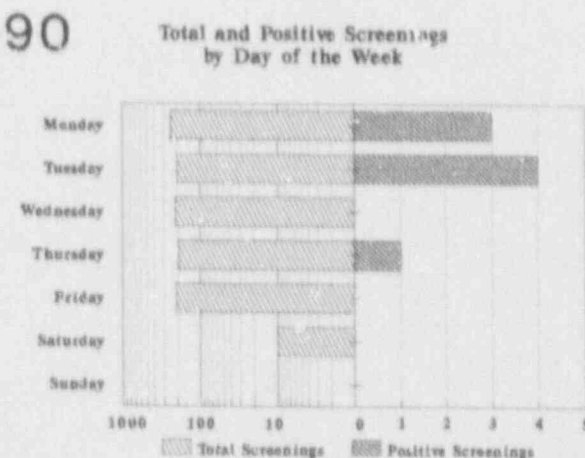
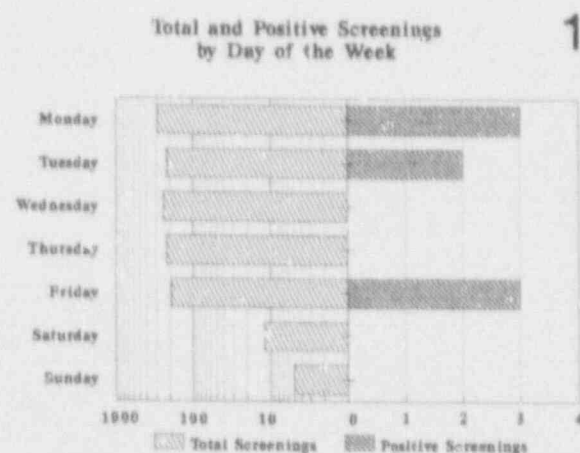
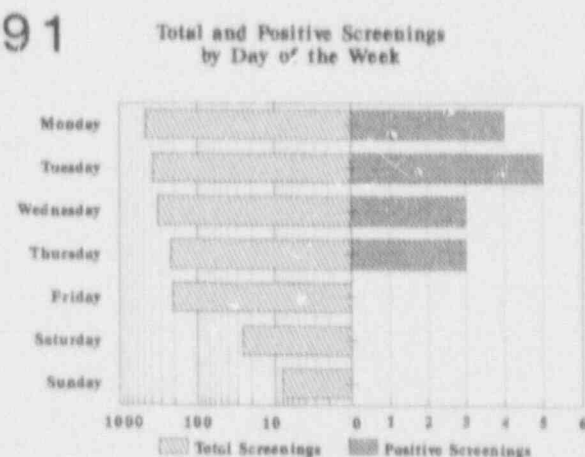
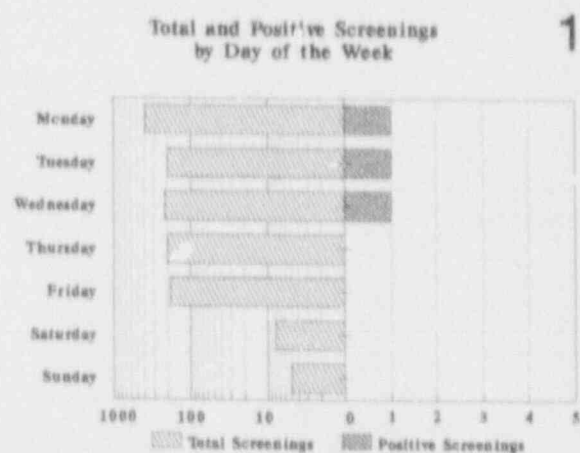
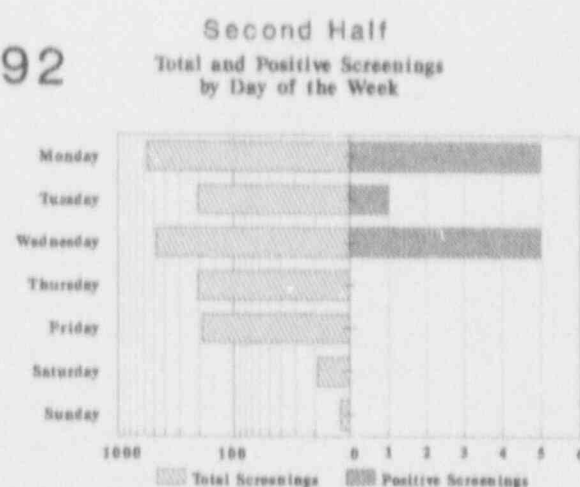
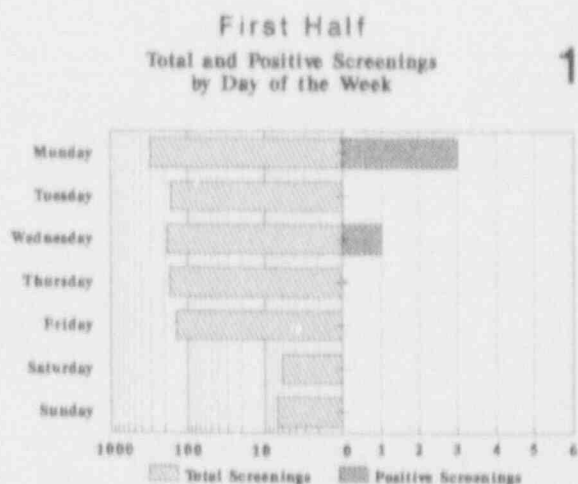
Distribution of Random Screenings over time of day



Total Random Screenings: 892

Random Screenings by Day of the Week

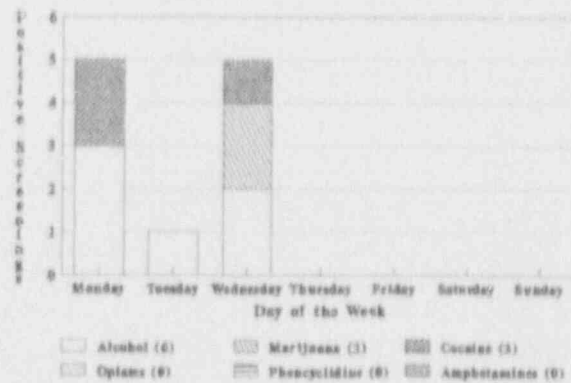
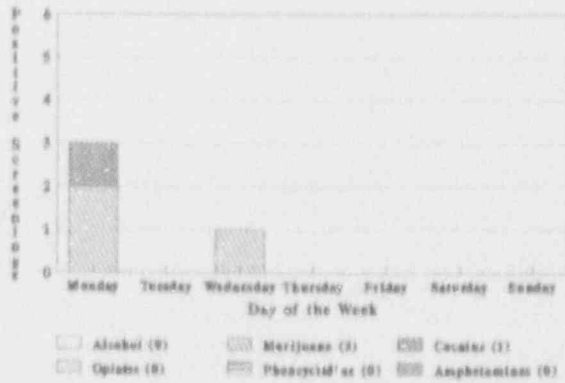




First Half
Substance by Day of the Week

1992

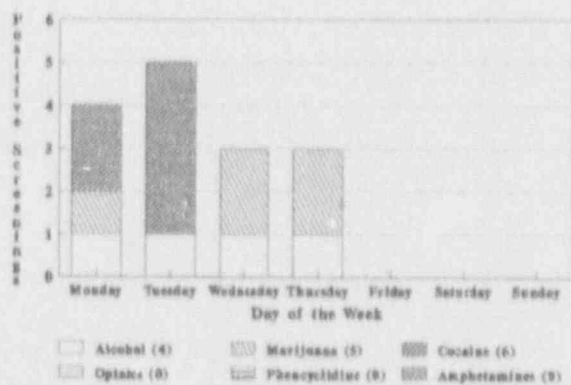
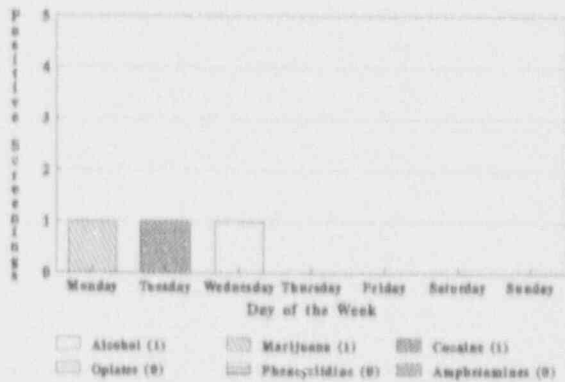
Second Half
Substance by Day of the Week



Substance by Day of the Week

1991

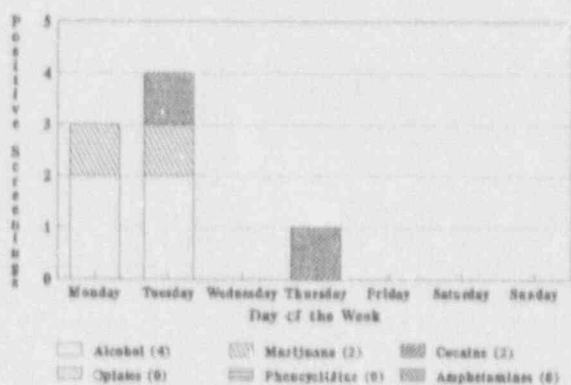
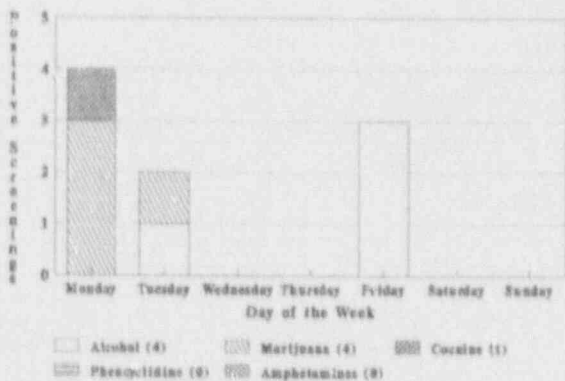
Substance by Day of the Week



Substance by Day of the Week

1990

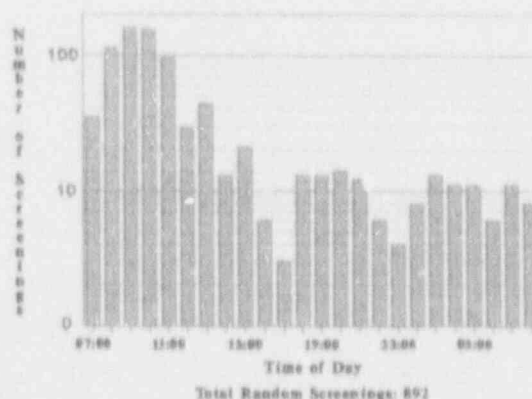
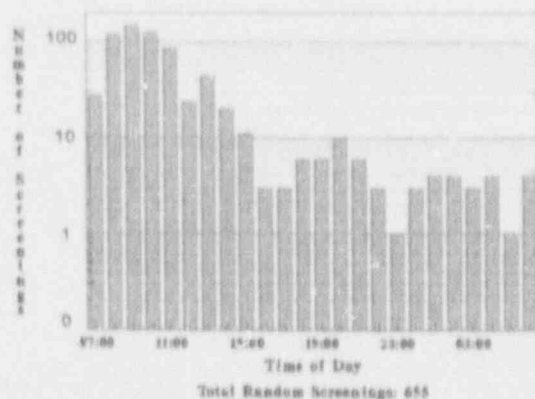
Substance by Day of the Week



First Half
Distribution of Random Screenings
over time of day

1992

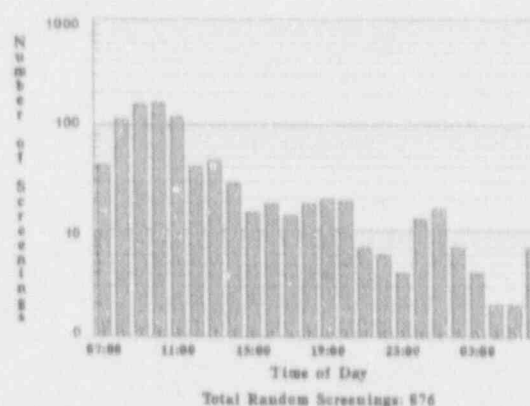
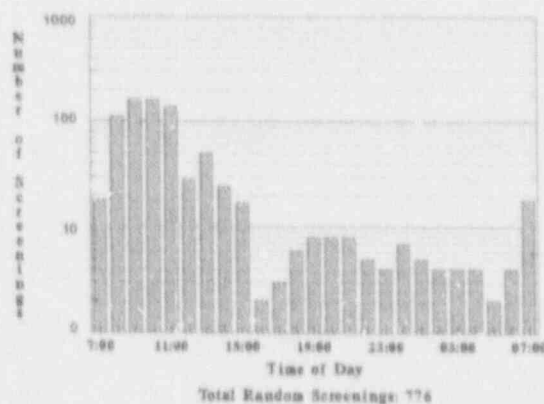
Second Half
Distribution of Random Screenings
over time of day



Distribution of Random Screenings
over time of day

1991

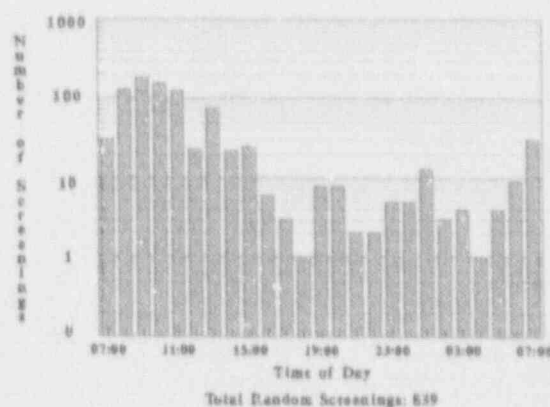
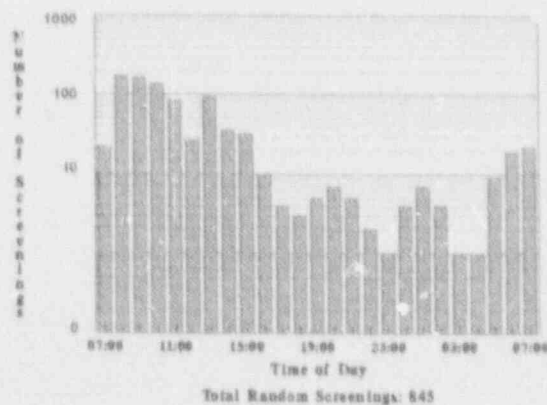
Distribution of Random Screenings
over time of day



Distribution of Random Screenings
over time of day

1990

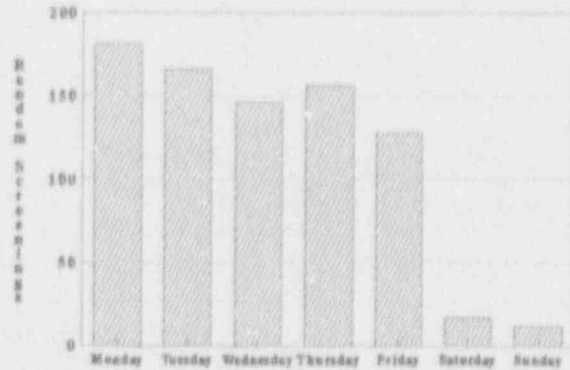
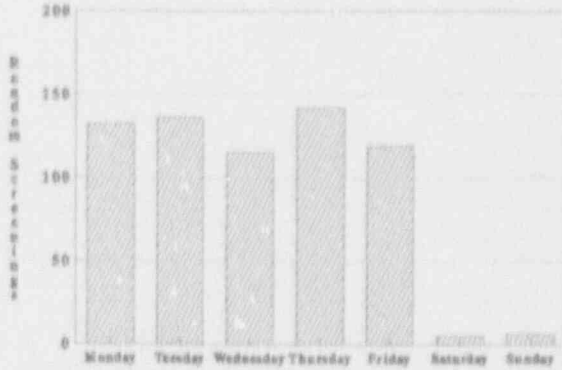
Distribution of Random Screenings
over time of day



First Half
Random Screenings by
Day of the Week

1992

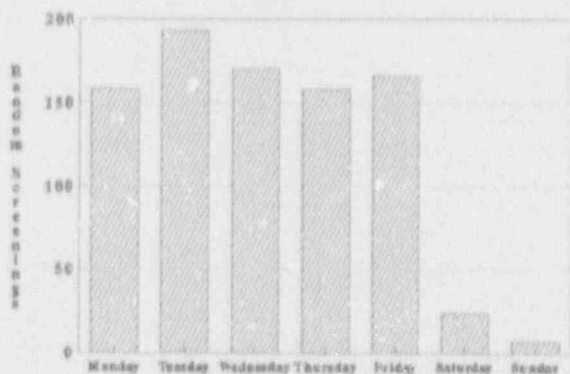
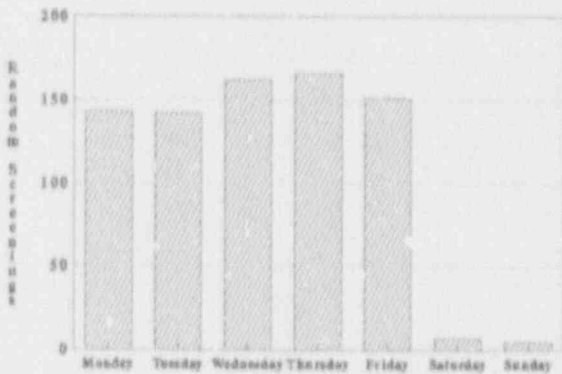
Second Half
Random Screenings by
Day of the Week



Random Screenings by
Day of the Week

1991

Random Screenings by
Day of the Week



Random Screenings by
Day of the Week

1990

Random Screenings by
Day of the Week

