

**North Atlantic Energy Service Corporation**  
**Semi-Annual Fitness for Duty Report**  
**July 1, 1994 through December 31, 1994**

North Atlantic Energy Service Corporation  
Semi-Annual Fitness-for-Duty Report  
for period ending December 31, 1994

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

NORTH ATLANTIC ENERGY SERVICE CORPORATION		DECEMBER 31, 1994
Company		6 Months Ending
P.O. BOX 300		
SEABROOK, NH 03874		
Location		
BRUCE R. SEYMOUR		(603) 474-9521 x4015
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)    0.04    _____ /

Testing Results		Licensee Employees		Long-Term Contractor Personnel		Short-Term Contractor Personnel	
Average Number with Unescorted Access		876		8		365	
Categories		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Pre-Access		4	-	-	-	42	1
For Cause	Post accident	-	-	-	-	-	-
	Observed behavior	1	-	-	-	2	-
Random		239	1	3	-	79	-
Follow-up		120	-	-	-	3	-
Other		2	-	-	-	4	-
Total		366	1	3	0	130	1



### 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 the second half of 1994 the positive test rate was 0.40%. The positive test rate for the year was 0.38%, excluding the outage-related tests during the first half.

On April 26, 1993, North Atlantic reduced the company's initial test cutoff level for marijuana from 100 ng/ml to 50 ng/ml. Since then there were eight tests positive for marijuana (six outage/two non-outage). Of these eight, three were detected due to the more restrictive cutoff level.

There were no drug or alcohol related accidents or incidents during this period 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

1. NM Procedure 11403, Part 4.9, Retests, was clarified. The roles of the Medical Review Officer and Security Manager were defined regarding the process for specimen retesting and coordination with the testing laboratory.
2. Met with Northeast Utilities personnel to review NRC (and DOT) Fitness for Duty policies and protocols, in an attempt to become more programmatically aligned.
3. Continued to review and recommend changes for all FFD sections of the computer based training program.
4. Continued training of new collection facility supervisor.
5. Recertified all collection personnel for proficiency in urine specimen collection and breath alcohol measurement process.
6. Initiated process to install an additional personal computer to facilitate data retrieval and to strengthen data integrity.

SUMMARY LIST OF TELEPHONICALLY REPORTED EVENTS

During this period there were no telephonically 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, Norristown, PA, in accordance with the NRC Guidelines (10 CFR 26, 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 to be tested were included in approximately equal frequencies of challenge.

During the second six months of 1994, 65 blind performance test specimens were submitted with the following results:

Negative: 52 (80%)

Positive: 13 (20%)

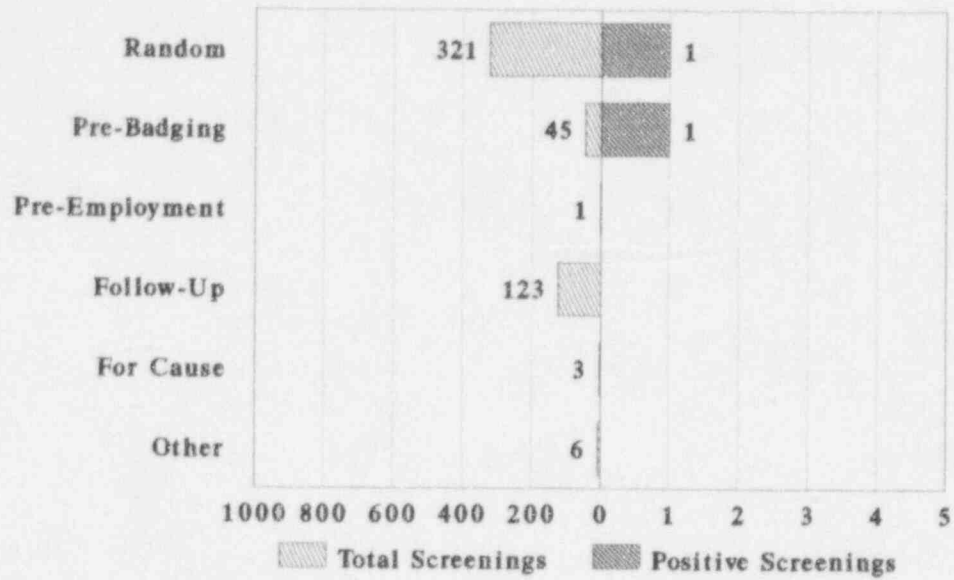
65

One of the samples containing morphine, was incorrectly reported as negative. An unannounced inspection and records audit was conducted by Dr. Robert E. Willette of Duo Research Inc., who stated that this test does not constitute unsatisfactory performance on the part of the testing laboratory under the HHS Guidelines.

All pertinent information regarding this false negative sample and related audit was forwarded to the NRC in a letter dated January 11, 1995.

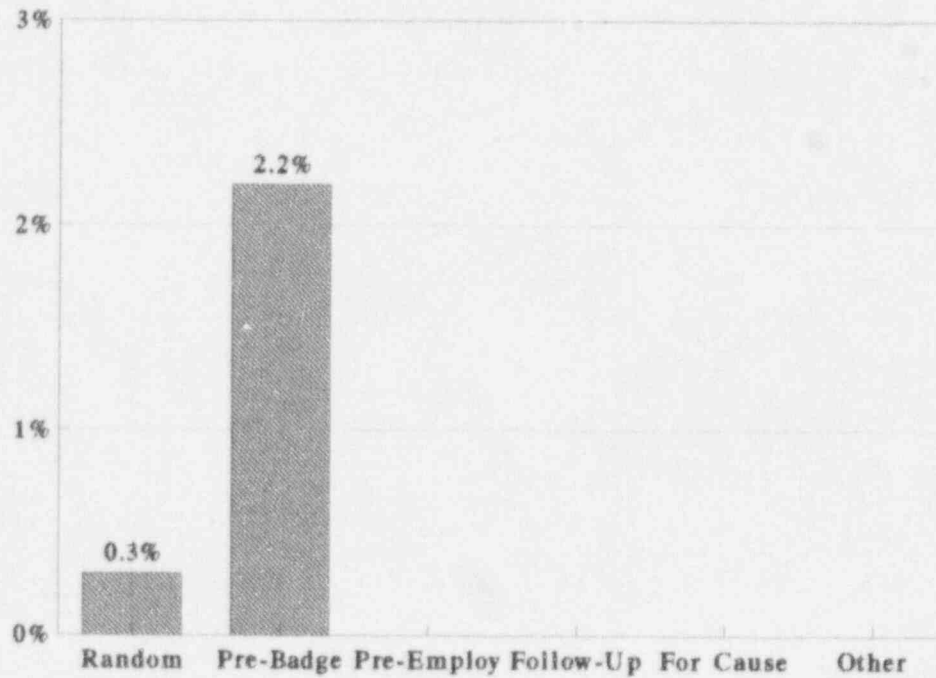


### Total Screenings vs. Positive Screenings

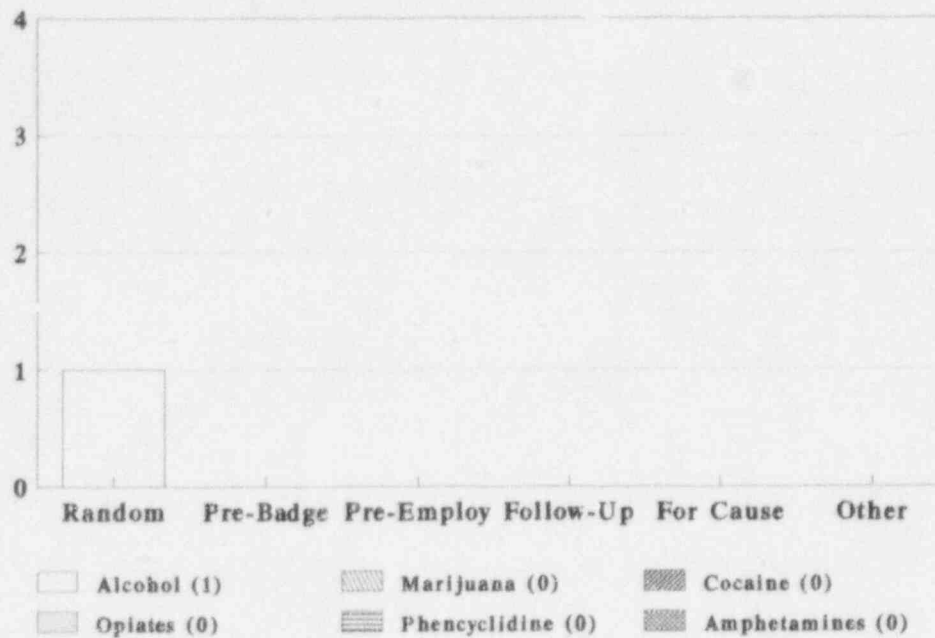


Total Screenings: 499  
Total Positive Screenings: 2

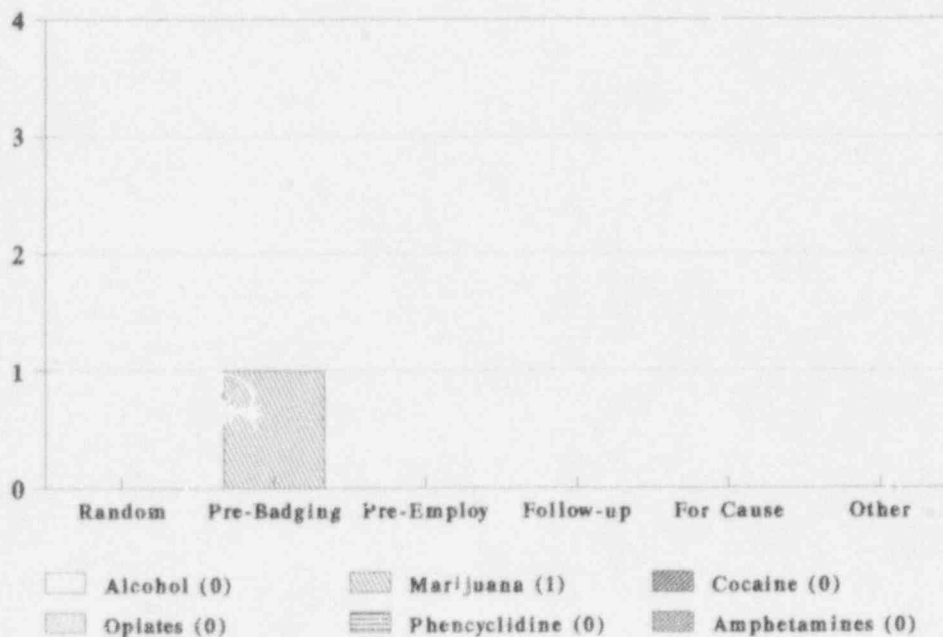
### Positive Percentage of Screenings



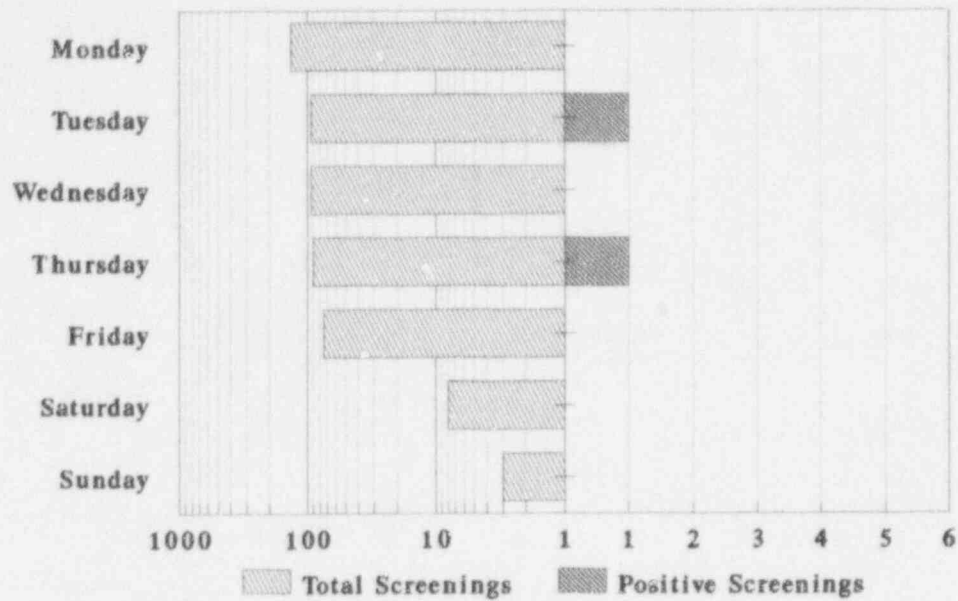
## Positive Screenings - Licensee



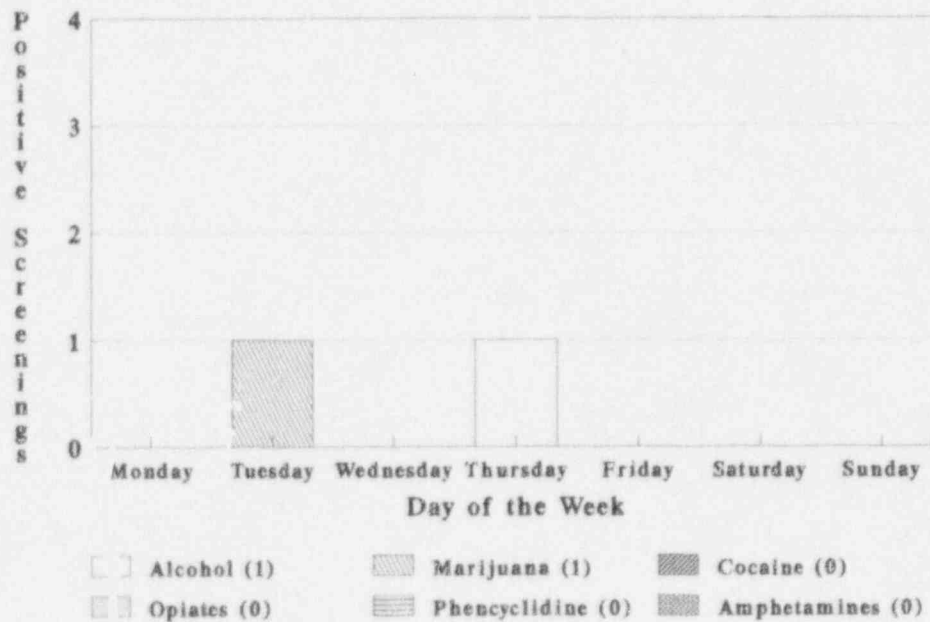
## Positive Screenings - Contractor



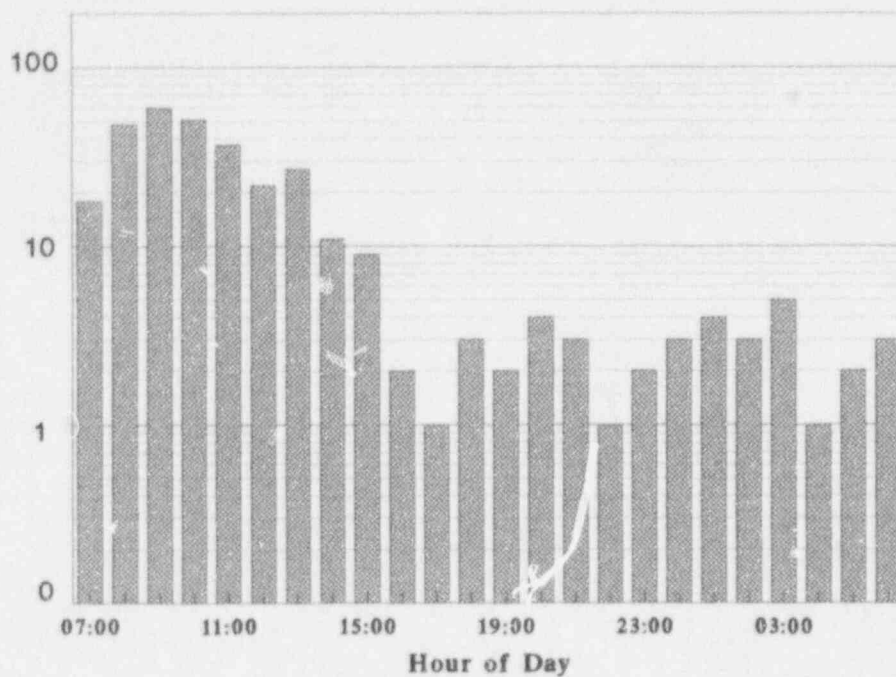
### Total and Positive Screenings by Day of the Week



### Substance by Day of the Week

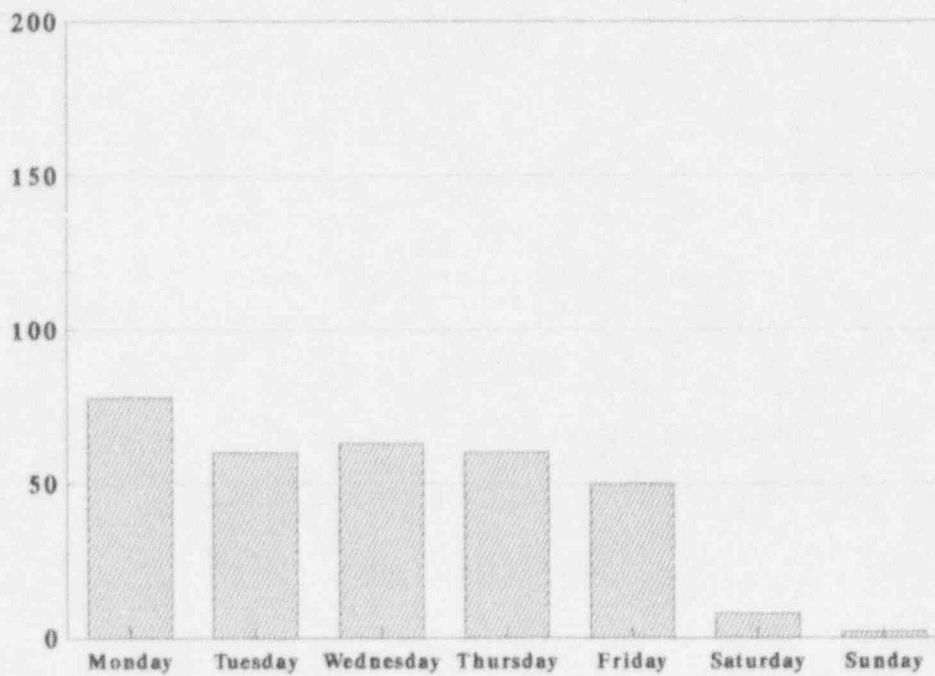


### 24 Hour Distribution of Random Screens

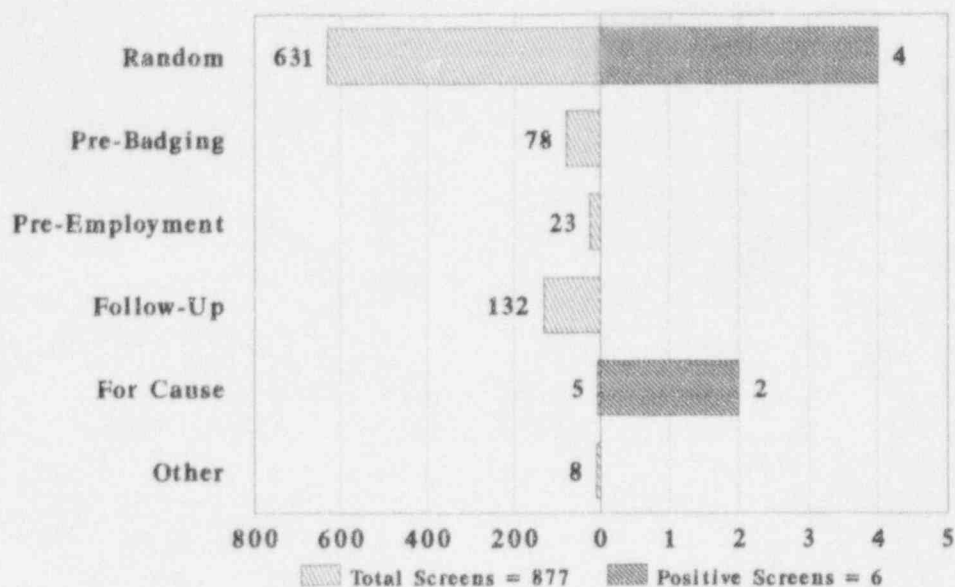


Total Random Screens: 321

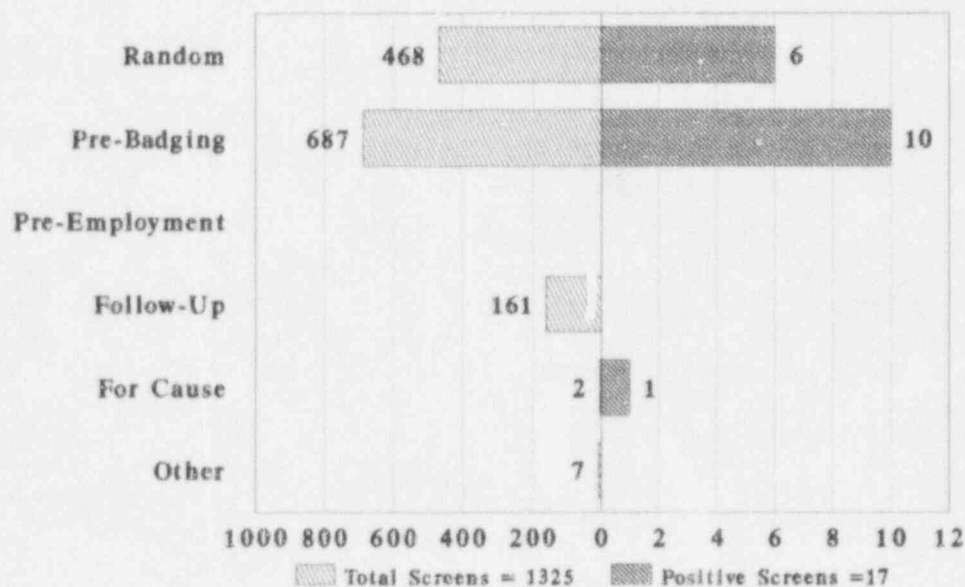
### Daily Distribution of Random Screens



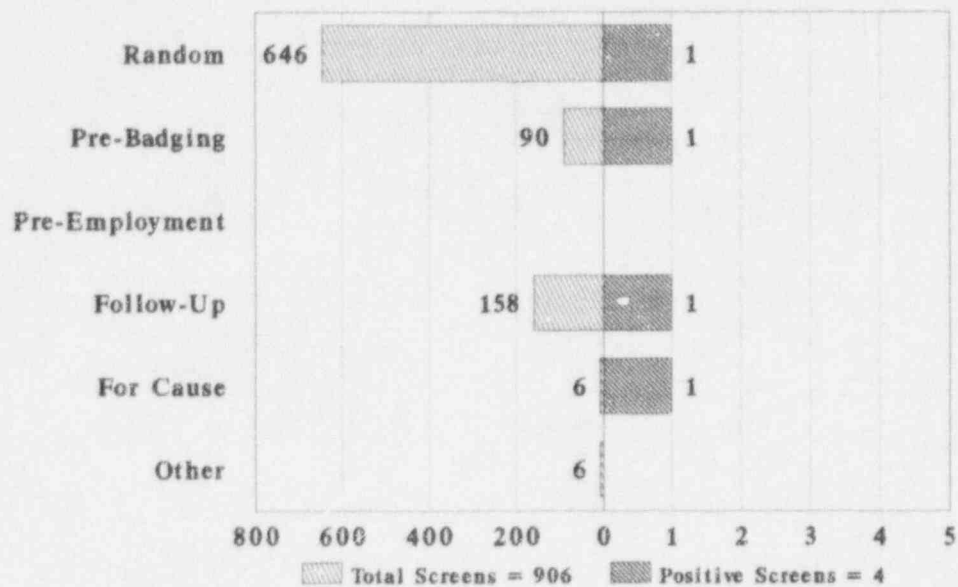
### Total Screenings vs. Positive Screenings 1993 1st Half



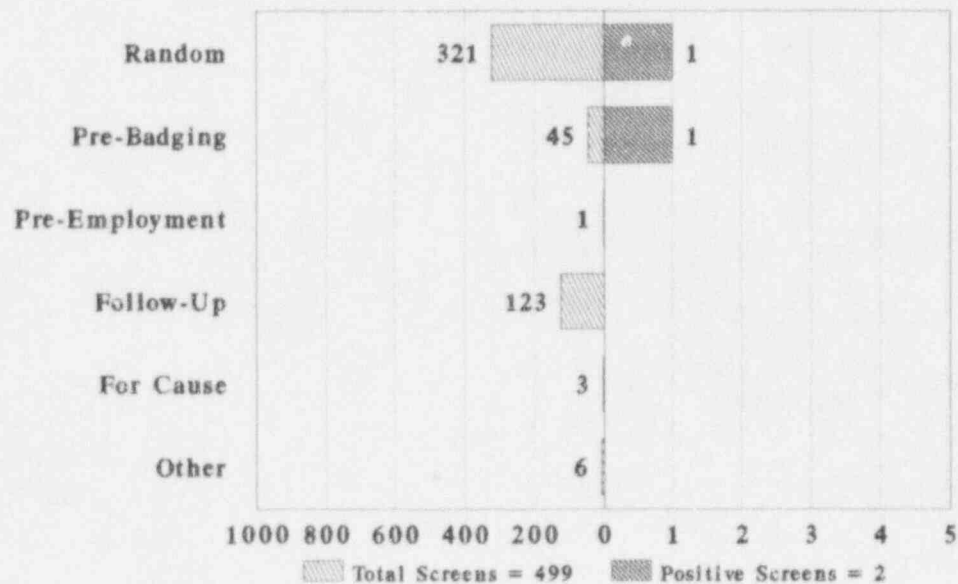
### Total Screenings vs. Positive Screenings 1994 1st Half



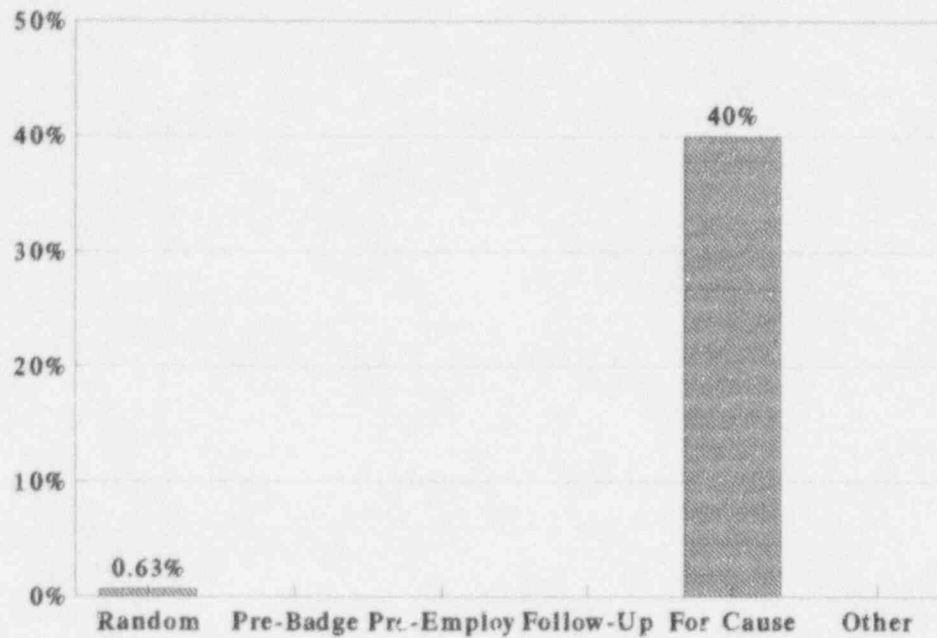
### Total Screenings vs. Positive Screenings 1993 2nd Half



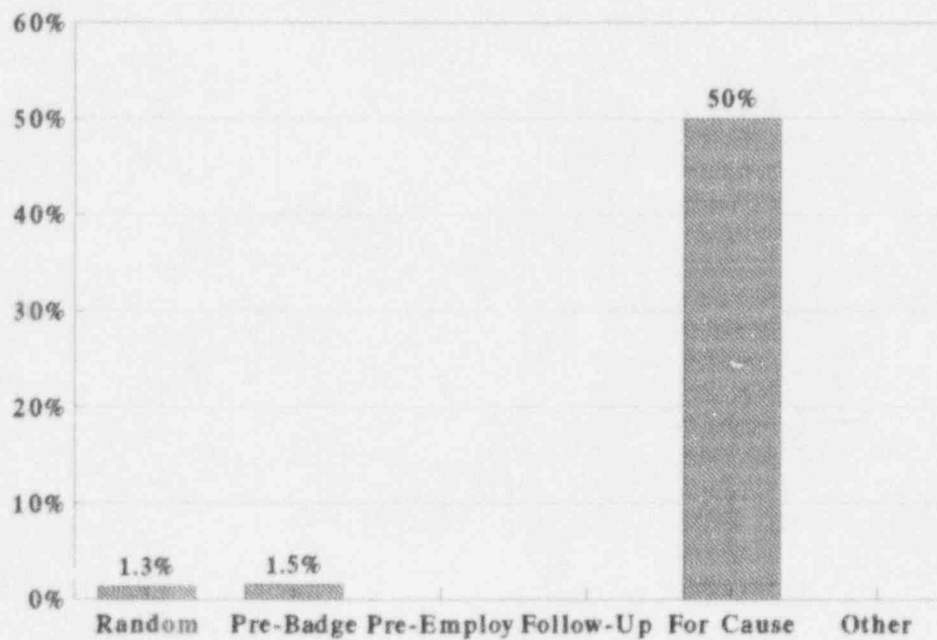
### Total Screenings vs. Positive Screenings 1994 2nd Half



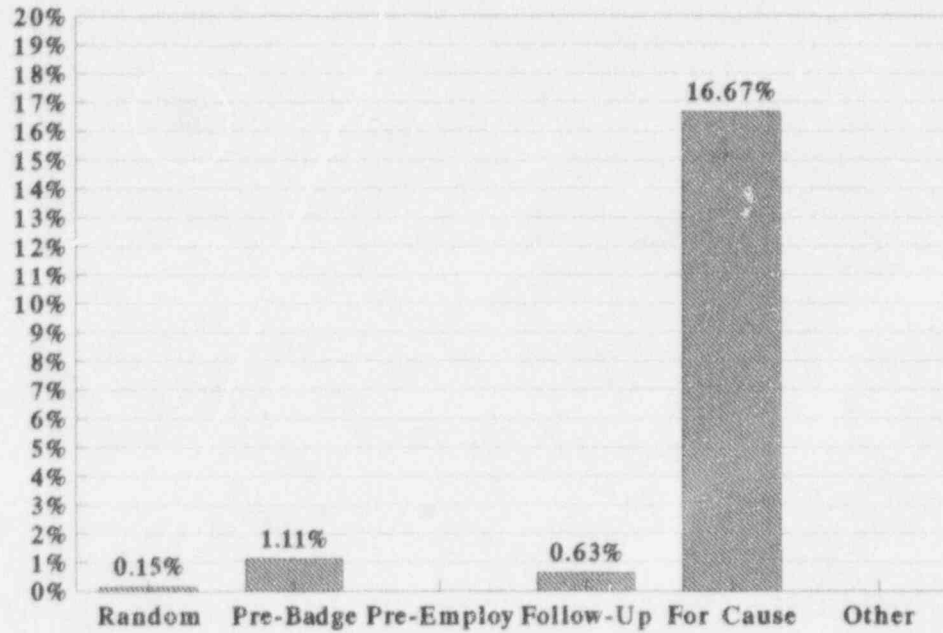
**Positive Percentage of Screenings  
1993 1st Half**



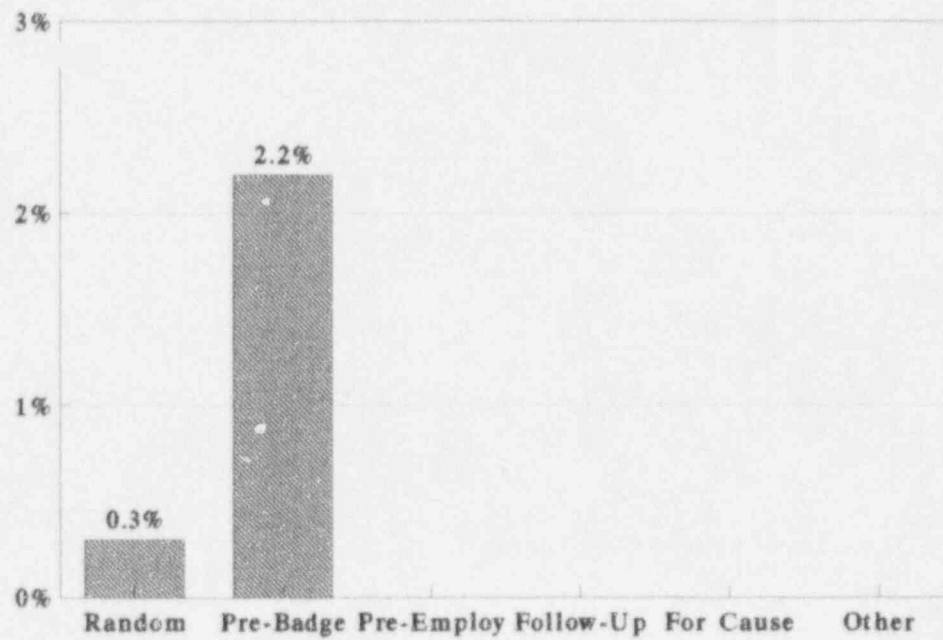
**Positive Percentage of Screenings  
1994 1st Half**



**Positive Percentage of Screenings  
1993 2nd Half**

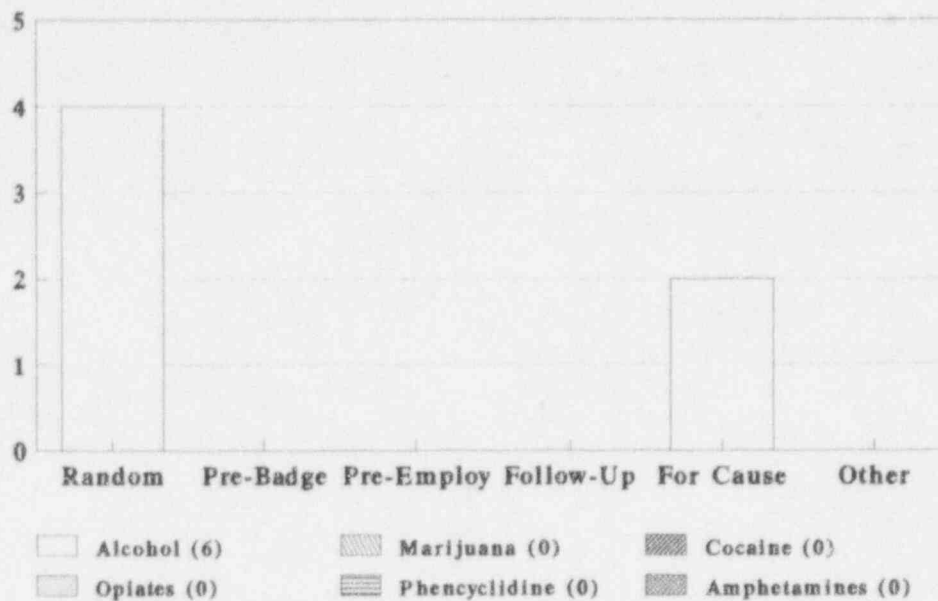


**Positive Percentage of Screenings  
1994 2nd Half**

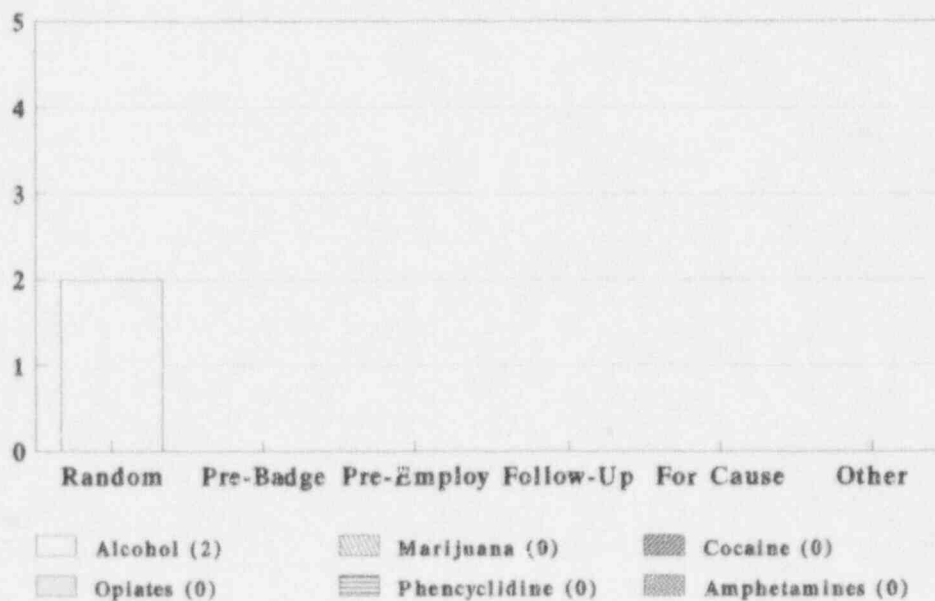




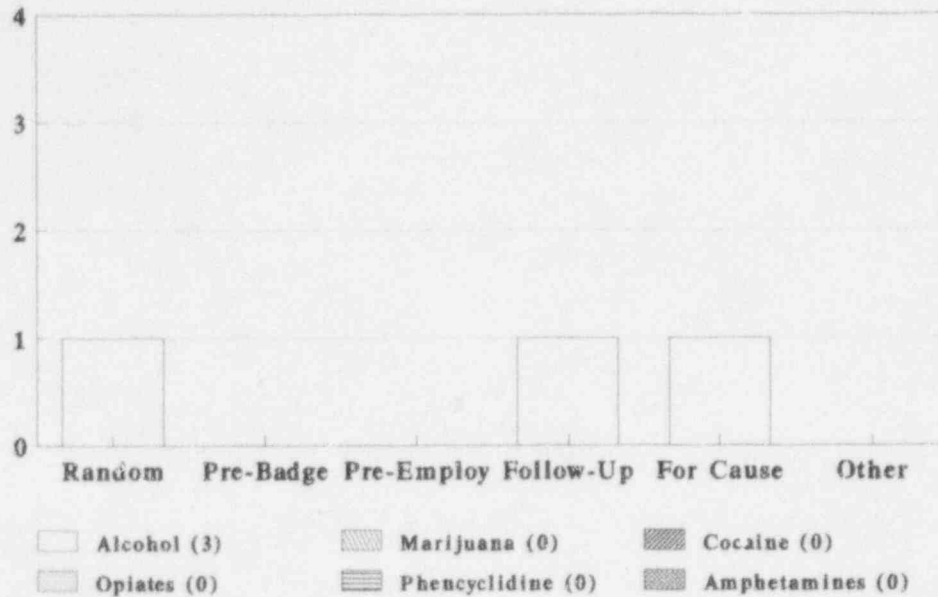
### Positive Screenings - Licensee 1993 1st Half



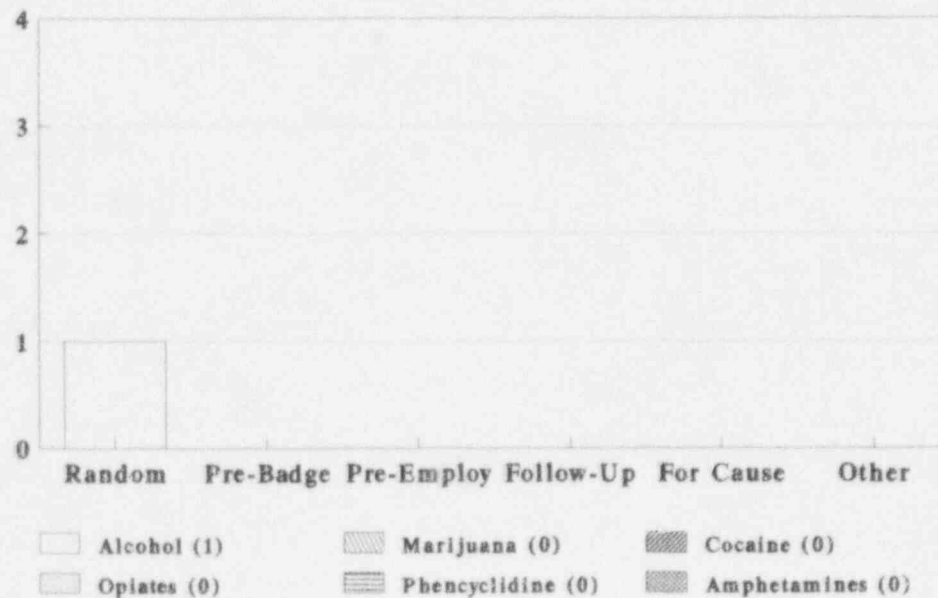
### Positive Screenings - Licensee 1994 1st Half



### Positive Screenings - Licensee 1993 2nd Half



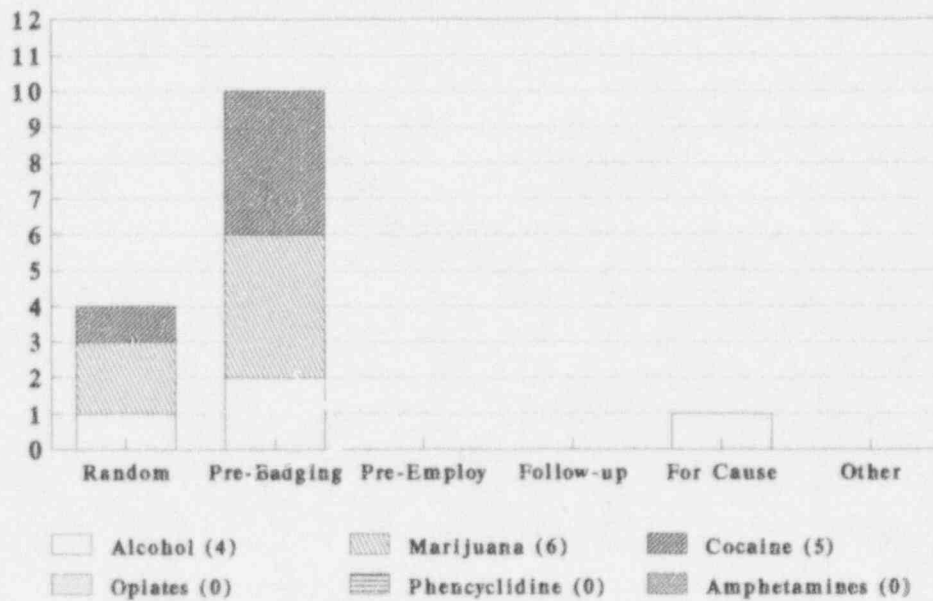
### Positive Screenings - Licensee 1994 2nd Half



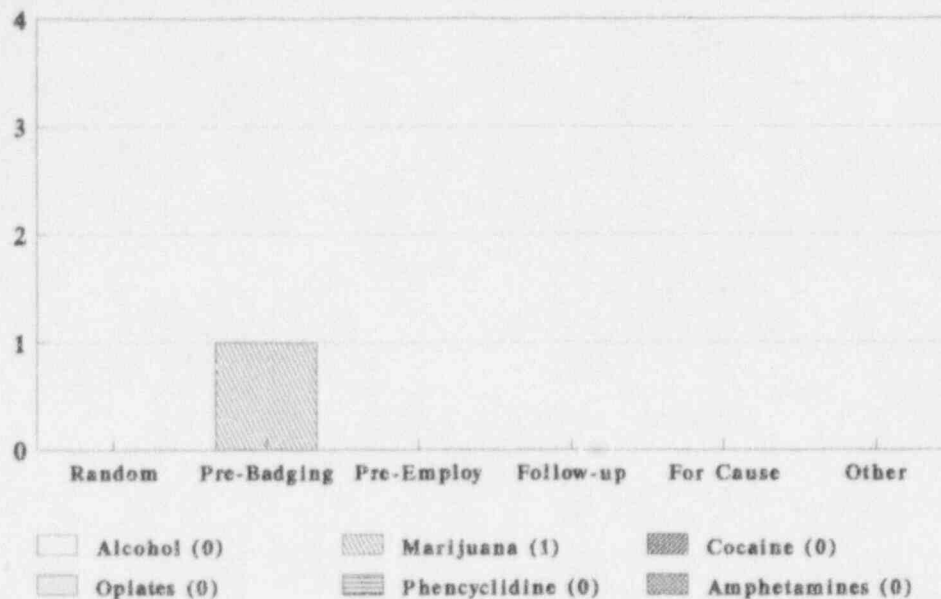
### Positive Screenings - Contractor 1993 1st Half

There were no contractor positive screenings.

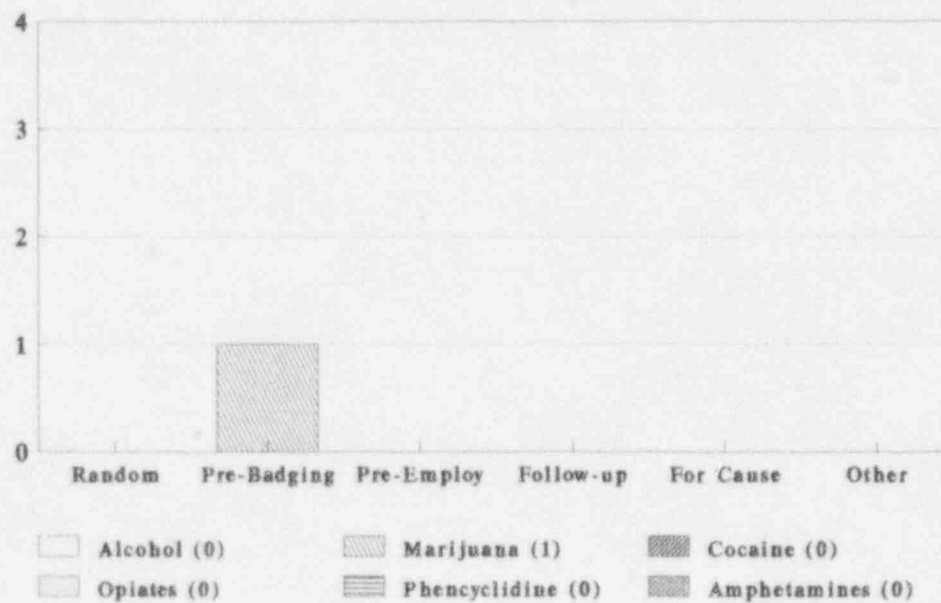
### Positive Screenings - Contractor 1994 1st Half



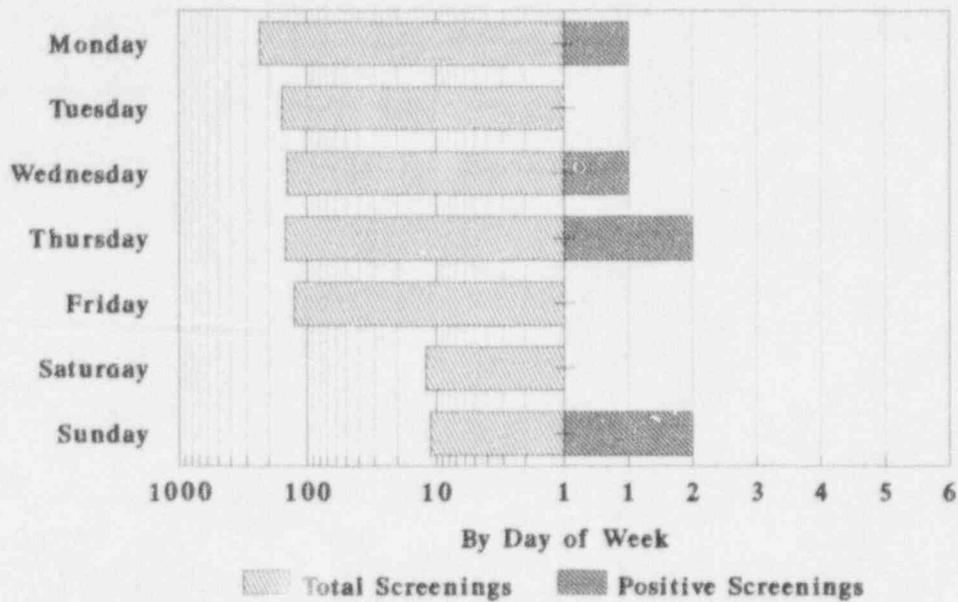
### Positive Screenings - Contractor 1993 2nd Half



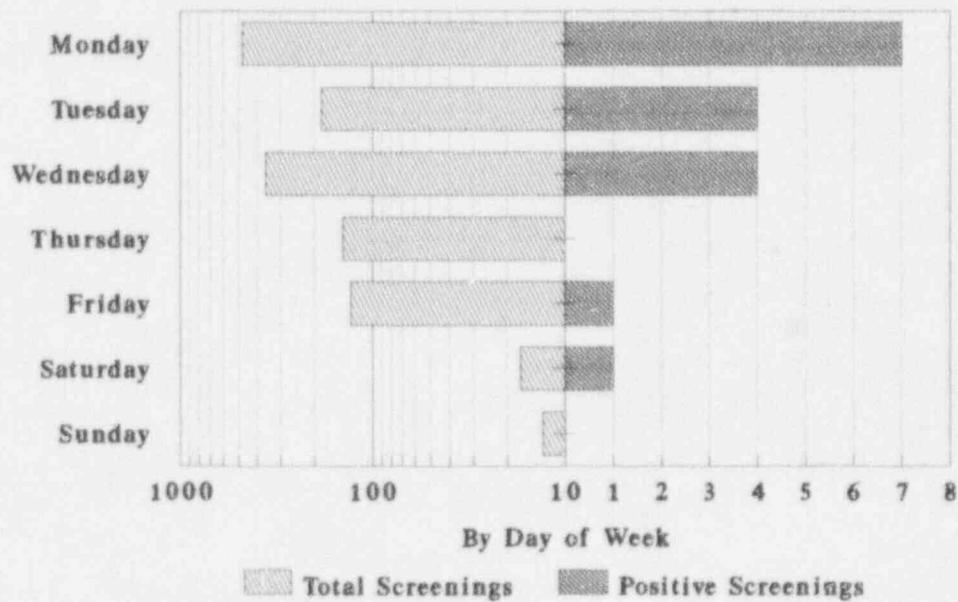
### Positive Screenings - Contractor 1994 2nd Half



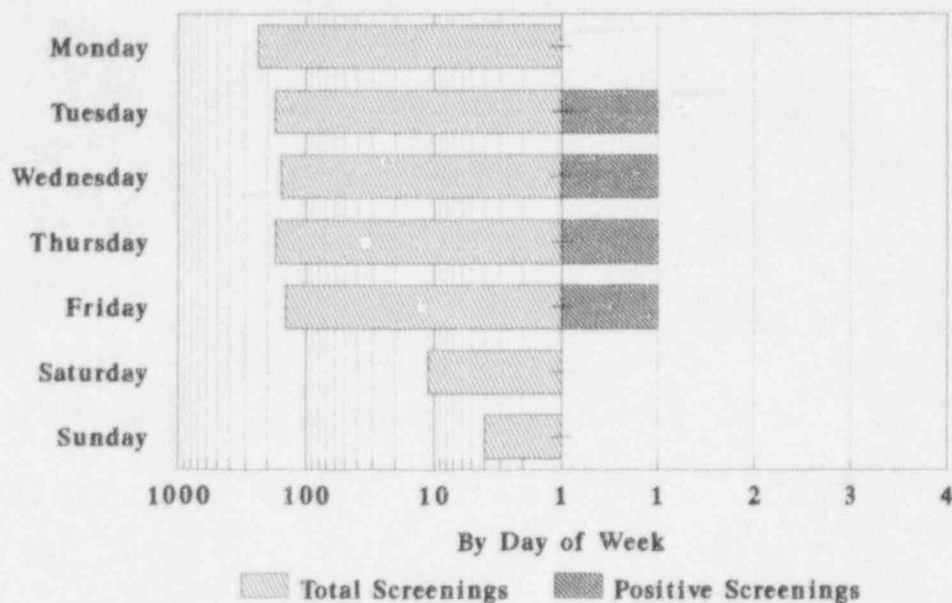
### Total and Positive Screenings 1993 1st Half



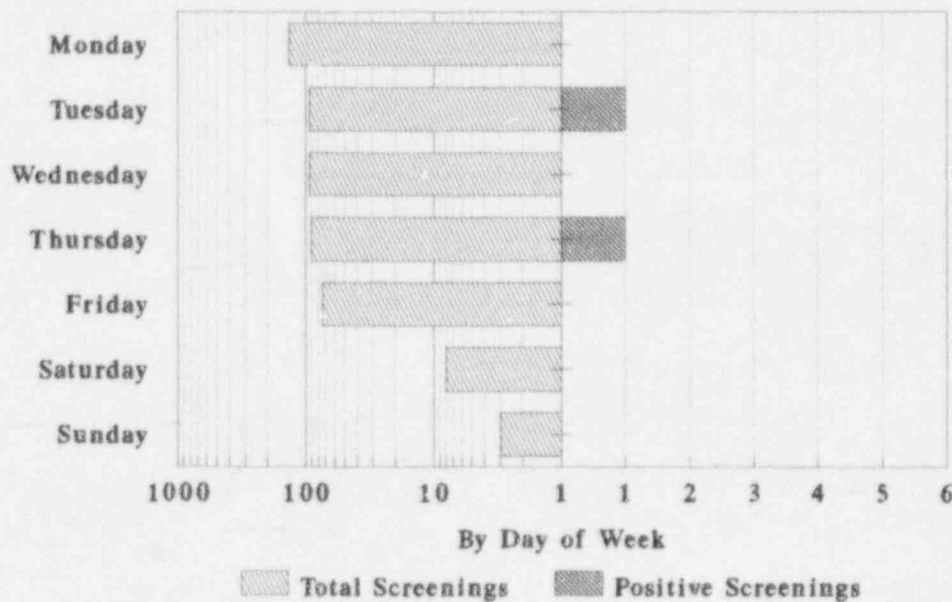
### Total and Positive Screenings 1994 1st Half



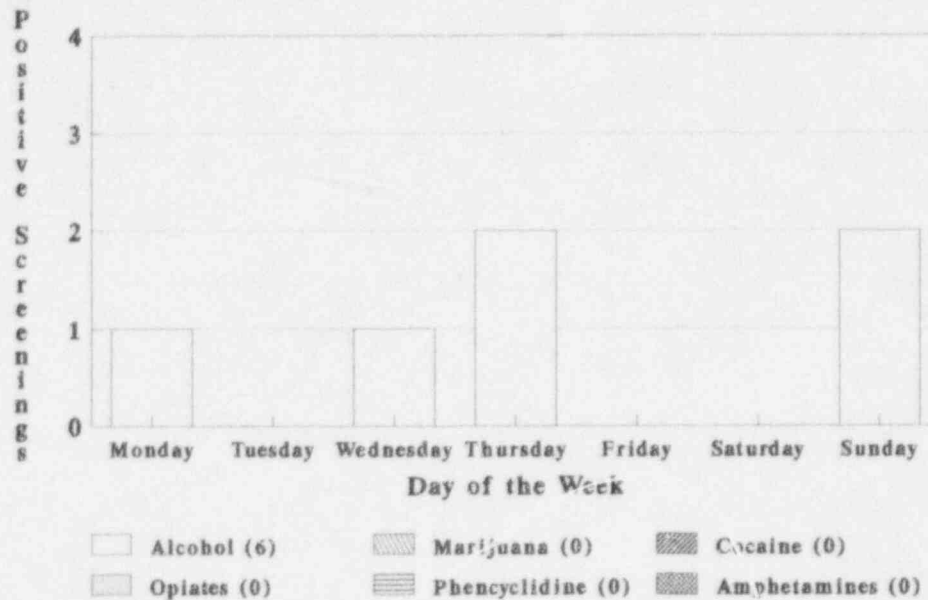
### Total and Positive Screenings 1993 2nd Half



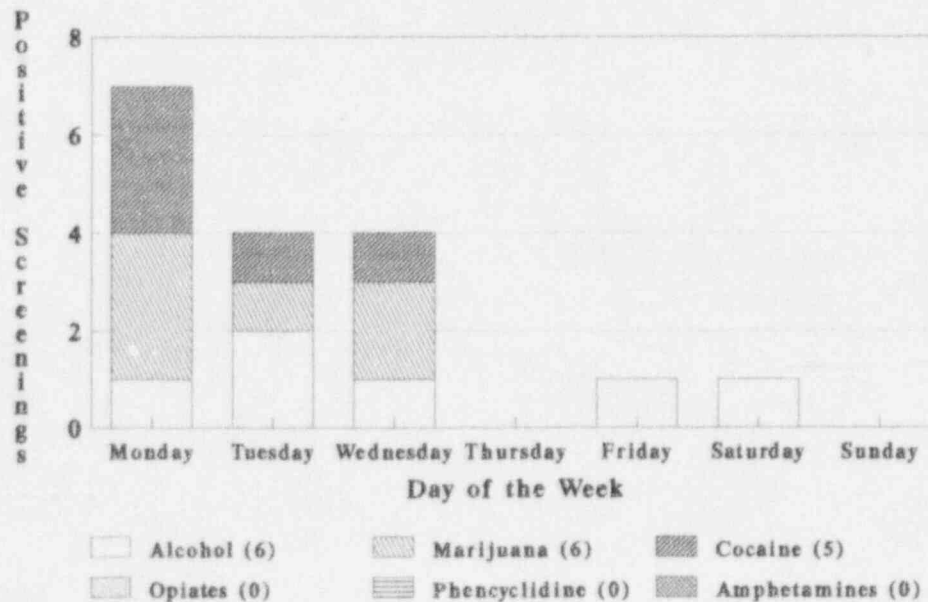
### Total and Positive Screenings 1994 2nd Half



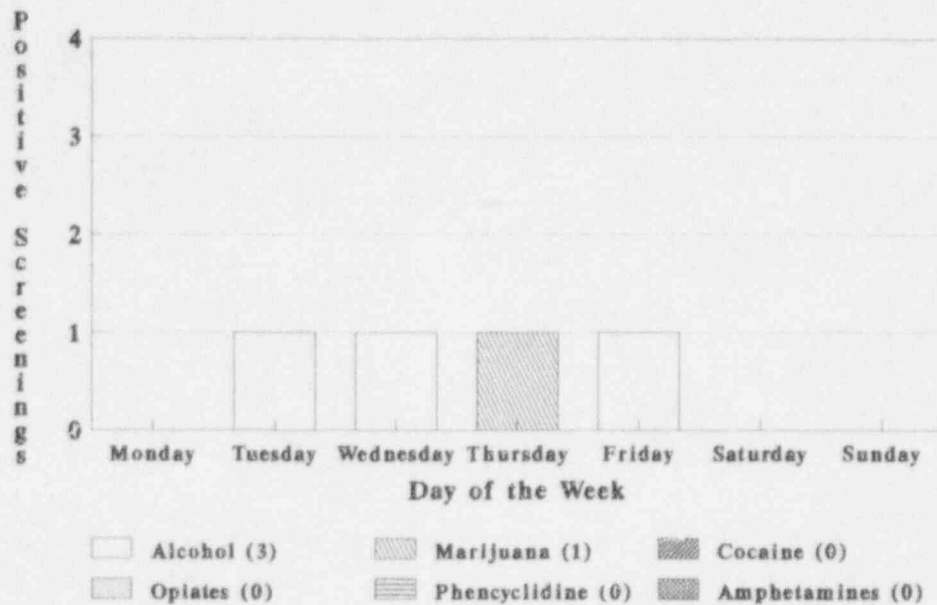
### Substance by Day of the Week 1993 1st Half



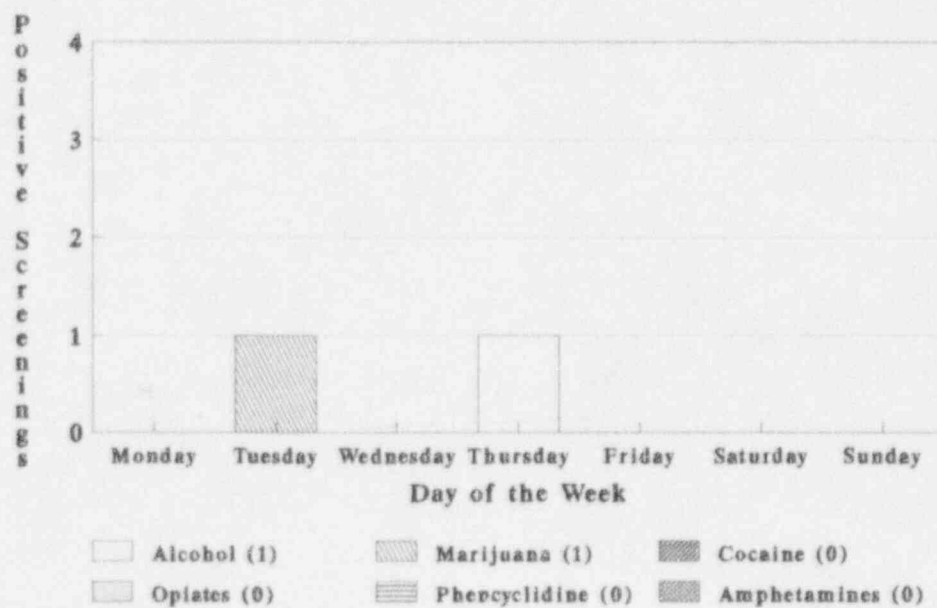
### Substance by Day of the Week 1994 1st Half



### Substance by Day of the Week 1993 2nd Half

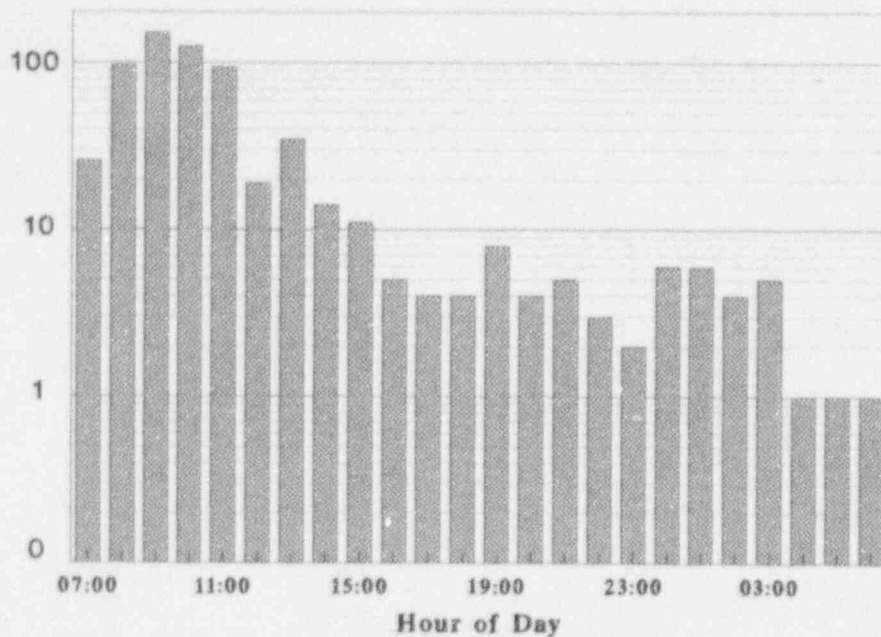


### Substance by Day of the Week 1994 2nd Half



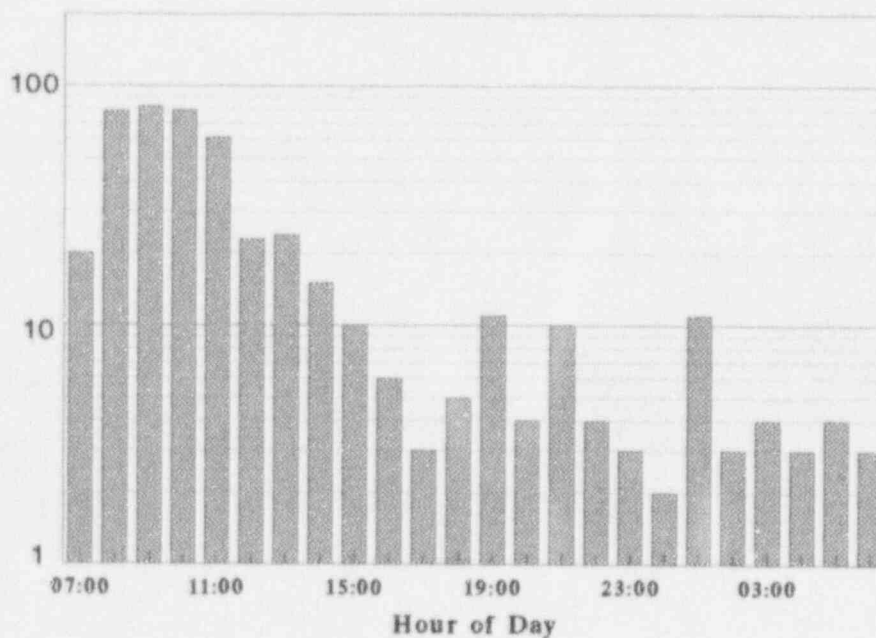


### 24 Hour Distribution of Random Screens 1993 1st Half



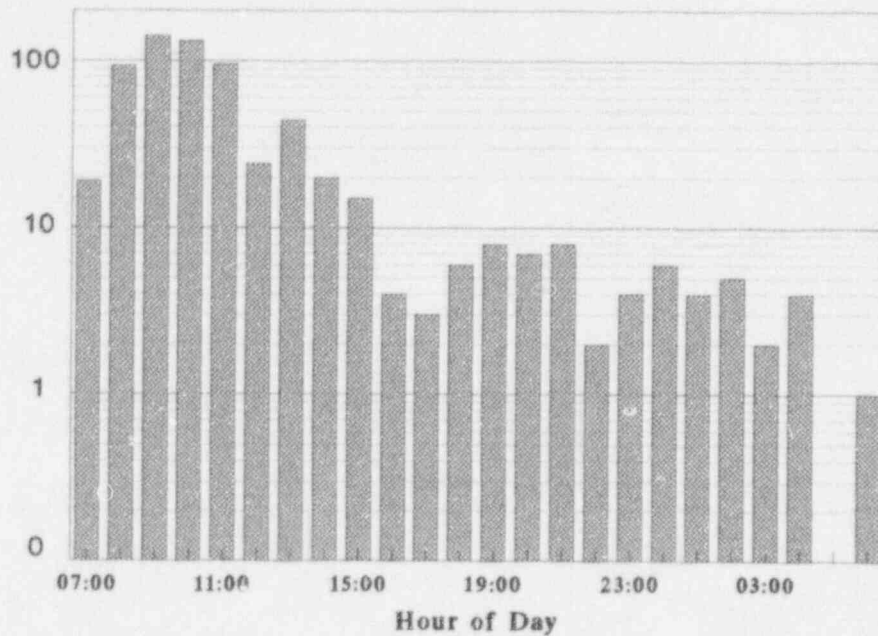
Total Random Screens: 631

### 24 Hour Distribution of Random Screens 1994 1st Half



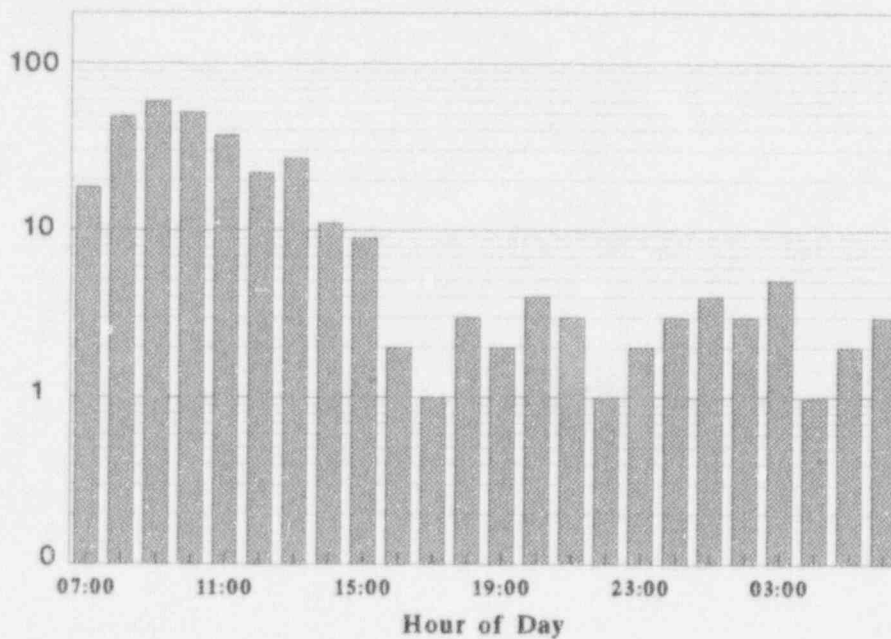
Total Random Screens: 468

### 24 Hour Distribution of Random Screens 1993 2nd Half



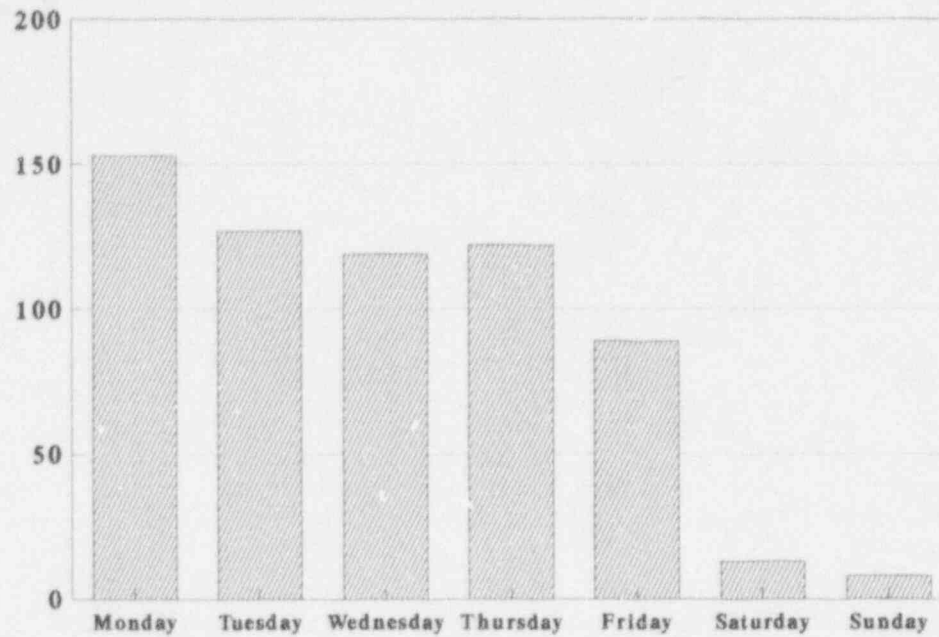
Total Random Screens: 646

### 24 Hour Distribution of Random Screens 1994 2nd Half

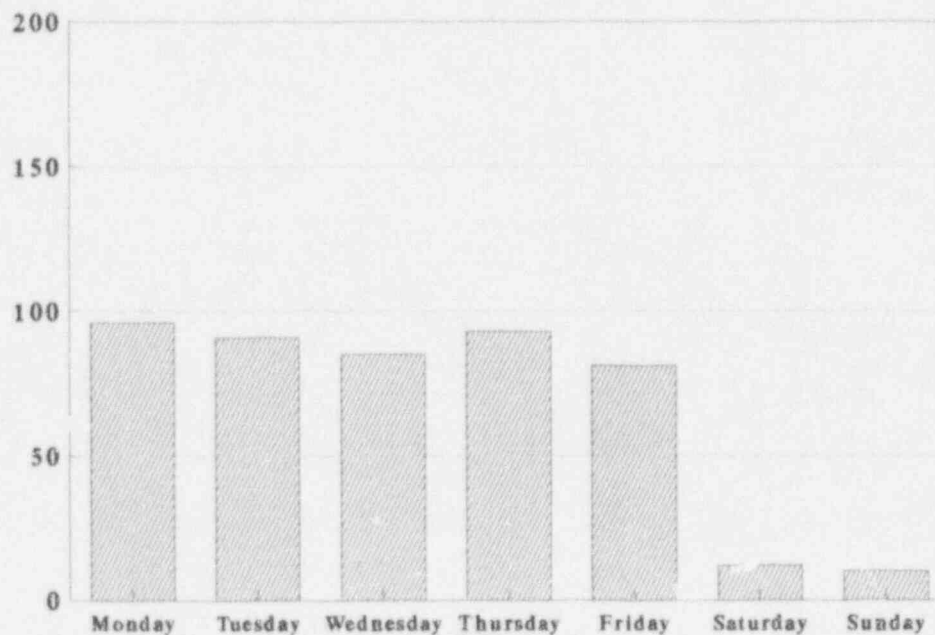


Total Random Screens: 321

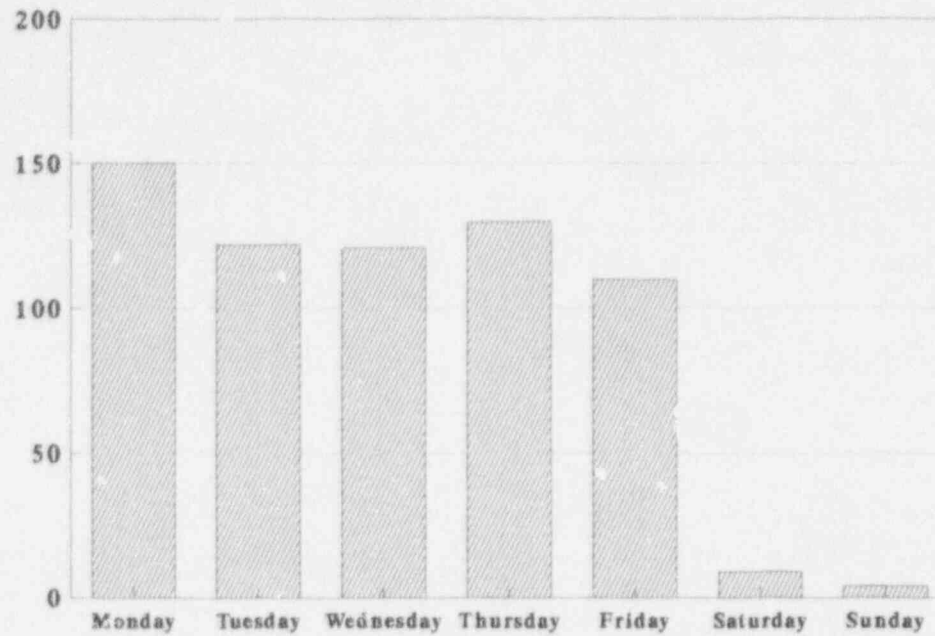
**Daily Distribution of Random Screens  
1993 1st Half**



**Daily Distribution of Random Screens  
1994 1st Half**



**Daily Distribution of Random Screens  
1993 2nd Half**



**Daily Distribution of Random Screens  
1994 2nd Half**

