

**North Atlantic Energy Service Corporation**  
**Semi-Annual Fitness for Duty Report**  
**July 01, 1995 through December 31, 1995**



North Atlantic Energy Service Corporation  
Semi-Annual Fitness-for-Duty Report  
for period ending December 31, 1995

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

NORTH ATLANTIC ENERGY SERVICE CORPORATION		DECEMBER 31, 1995
P. O. BOX 300 SEABROOK, NH 03874		6 Months Ending
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	
		# Tested	# Positive	# Tested	# Positive	# Tested	# Positive
Average Number with Unescorted Access		840		6		545	
Pre-Access		5	-	-	-	704	18
For Cause	Post accident	-	-	-	-	-	-
	Observed behavior	-	-	-	-	8	2
Random		257	-	5	-	128	1
Follow-up		31	-	-	-	22	-
Other		2	-	-	-	4	-
Total		295	0	5	0	866	21



PROGRAM EFFECTIVENESS

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

The positive percentage rate for all tests conducted during this period (21 of 1,166) is approximately 1.80%. The following three paragraphs will segregate this information into outage related and non-outage related testing.

During the last six months of 1995 NAESCO processed over 1,090 short-term contractors to work a refueling outage. Approximately 810 tests were conducted, resulting in 19 positive tests (of which 17 were pre-badging, 2 were for-cause). The positive percentage rate for these outage related tests is approximately 2.35%.

When the outage related tests are deducted from the total tests conducted, the remainder includes two positive tests (1 pre-badging and 1 random). The positive percentage rate for these non-outage related tests is approximately 0.56%.

Of the 21 positive tests, 17 were positive for marijuana. Of these 17, 7 were detected due to the more restrictive cutoff level of 50ng.

There were no licensee fitness for duty failures nor were there any drug or alcohol related accidents or incidents during this period.

For the past six years, management and employees of North Atlantic Energy Service Corporation have supported the FFD program and the goal of achieving a workplace free of drugs and alcohol and the effects of such substances.

To date all indicators obtained from related FFD program data point toward the conclusion that North Atlantic's program has been effectively implemented and continues to advance toward the ultimate goal of achieving a drug and alcohol free workplace.

INITIATIVES

1. Updated all FFD procedures (NM 11400 - NM 11403) to reflect:
  - new process for entering the Protected Area (i.e., hand geometry)
  - title changes
  - North Atlantic procedure format changes
2. Revised NM 11400 to eliminate specific requirements for frequency of FFD Committee meetings.
3. Initiated the process to incorporate all fitness for duty procedures and associated forms into the Security Department Manual (SSSP).
4. Updated Office Instructions to reflect:
  - title changes and new Protected Area entry process
  - use of new laboratory chain-of-custody form
5. Began refurbishing process of all IVAC 2000 thermometers, after determining that replacement would not be cost effective.
6. Displayed MRO licenses in screening facility to further enhance participant awareness of FFD program integrity.
7. Continued efforts to integrate the FFD programs of Northeast Utilities and North Atlantic Energy Service Corporation:
  - agreed to use the same blind specimen provider (effective date January 1, 1996).
  - agreed to use the same SAMHSA-certified laboratory (target implementation date April 1, 1996).

SUMMARY LIST OF TELEPHONICALLY REPORTED EVENTS

There were no telephonically reported events during this period.



BLIND SPECIMENS

To ensure laboratory quality control, North Atlantic Energy Service Corporation contracted with Duo Research Inc., Denver, CO, 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 tested were included in approximately equal frequencies of challenge.

During the second six months of 1995, North Atlantic Energy Service Corporation submitted 120 blind performance test specimens to SmithKline Beecham Clinical Laboratories with the following results:

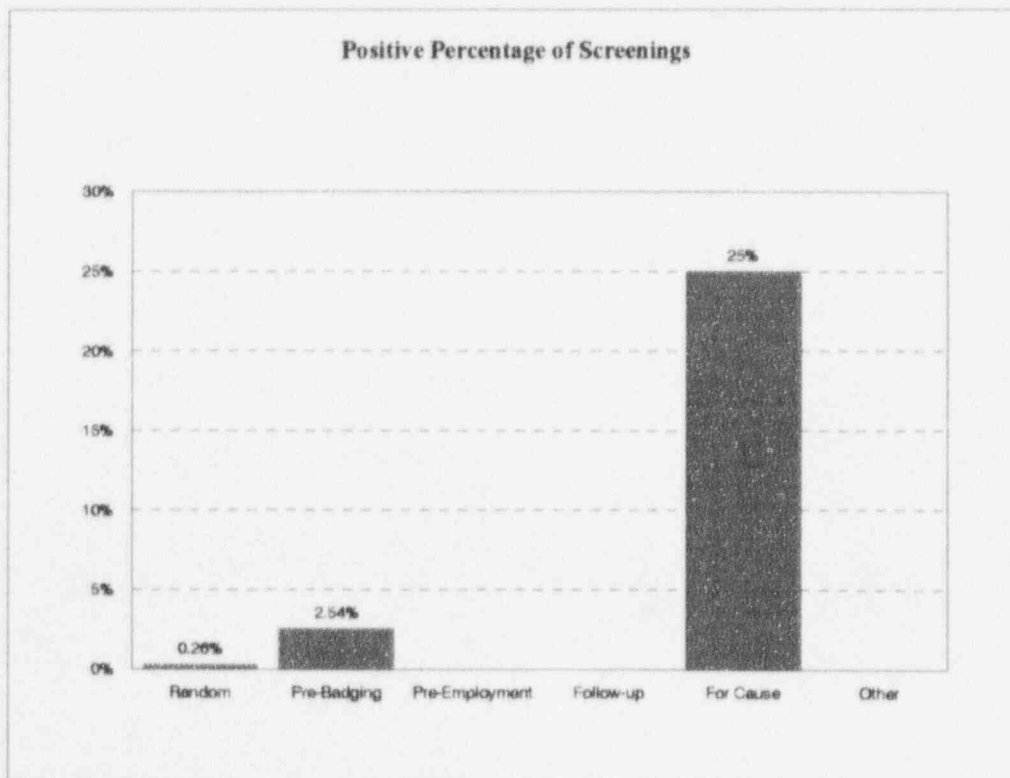
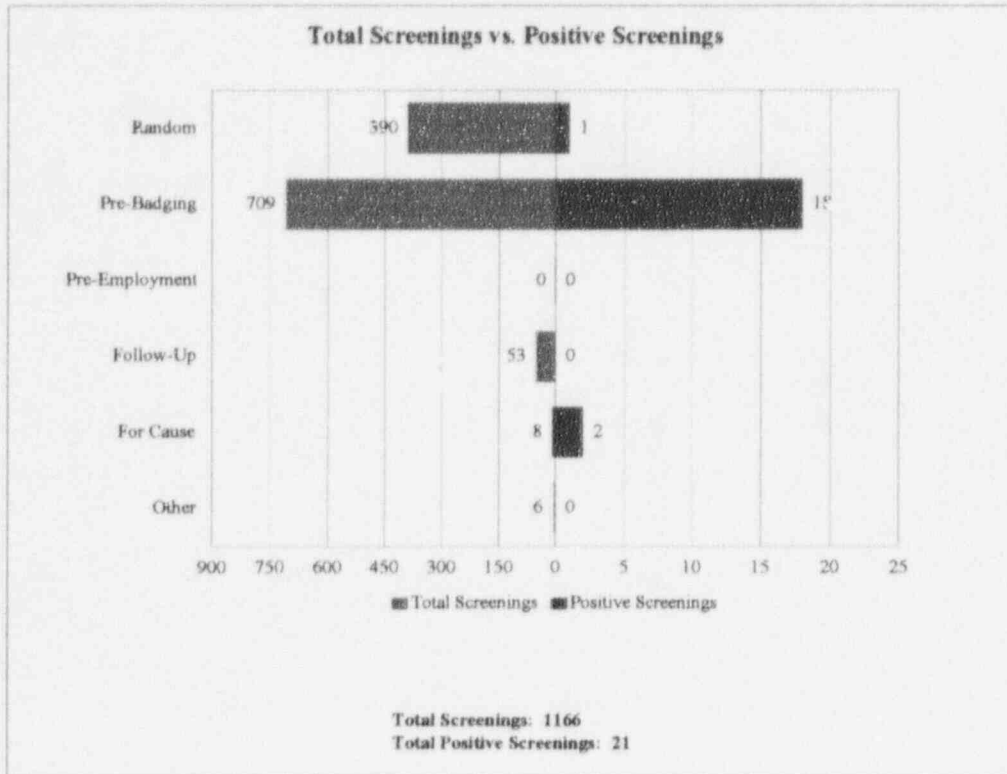
Negative: 96 (80%)

Positive: 24 (20%)

120

The number of blind performance test specimens processed exceeded the required minimum of 10% of all samples submitted and all substances were correctly identified by the laboratory.

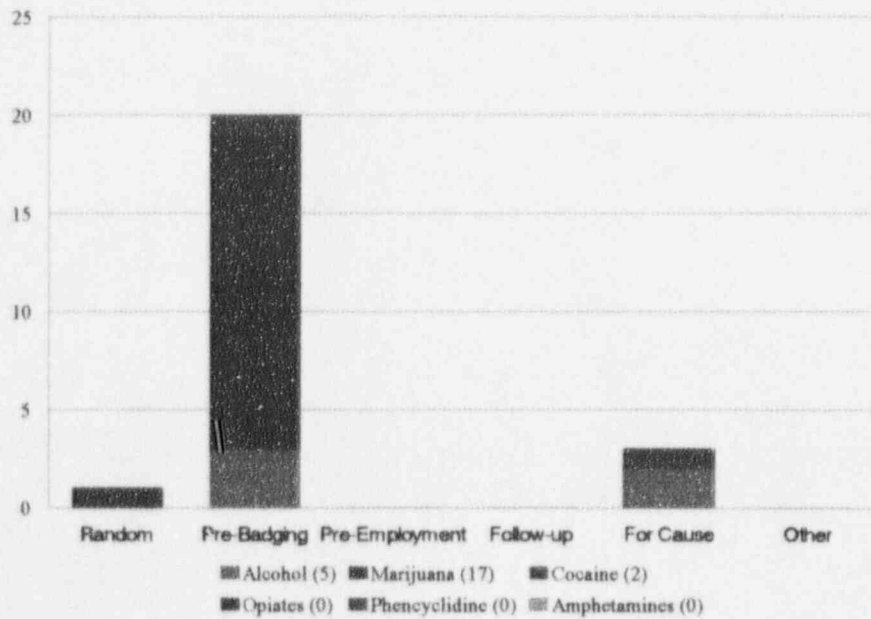


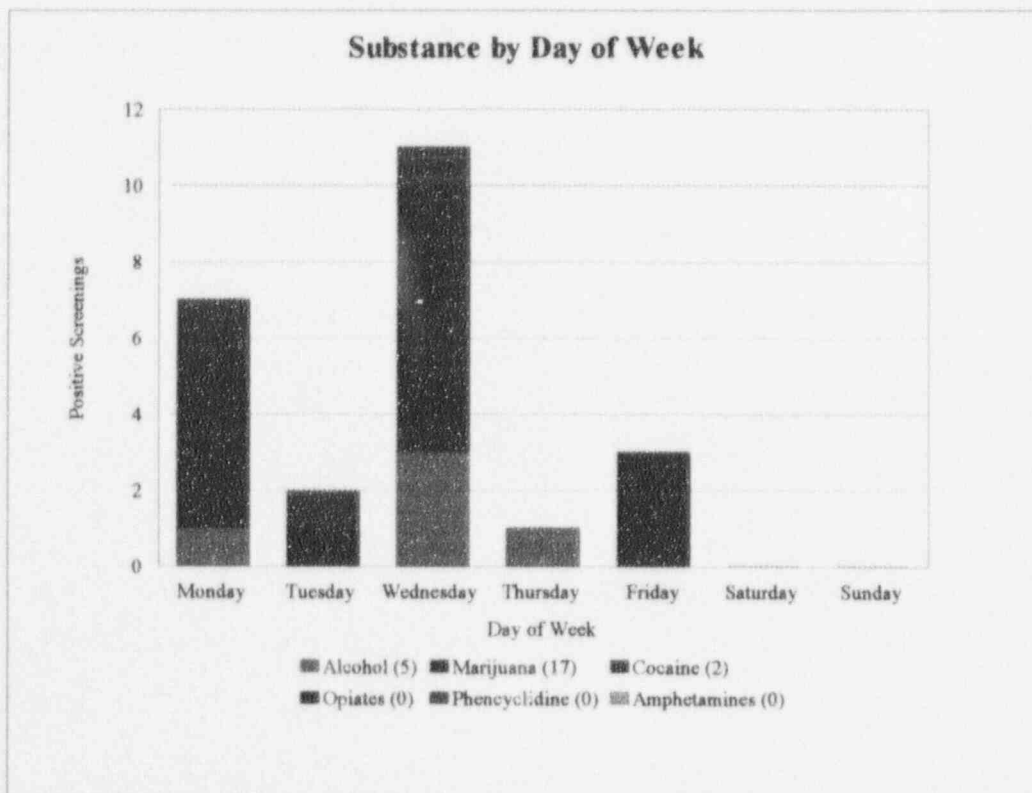
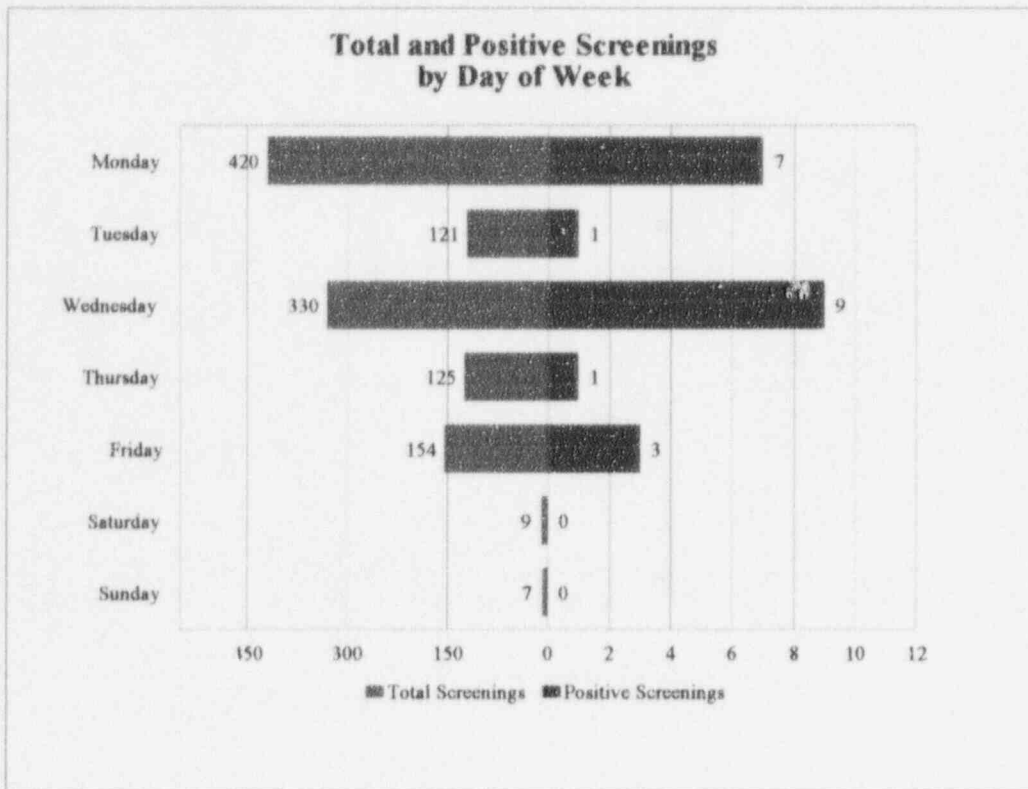


### Licensee Positive Screenings

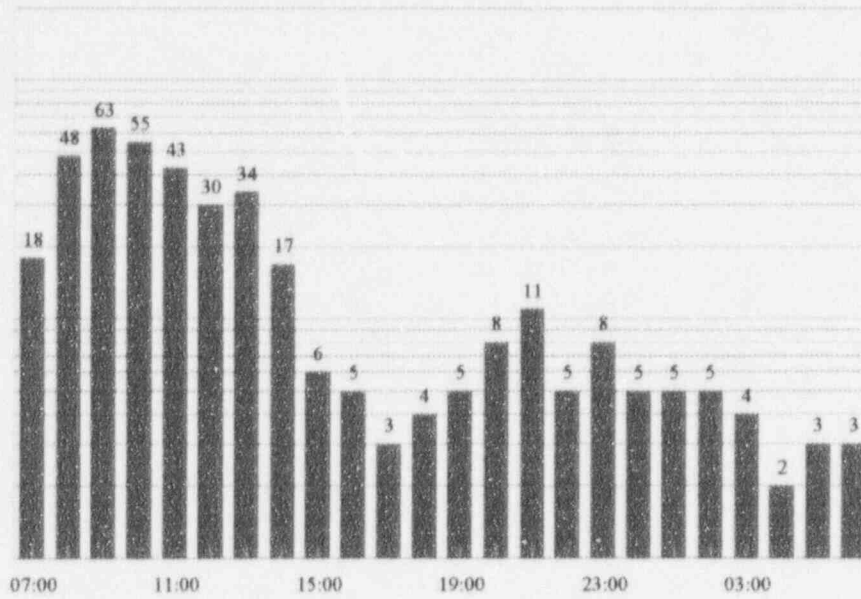
There were no licensee positive screenings.

### Contractor Positive Screenings



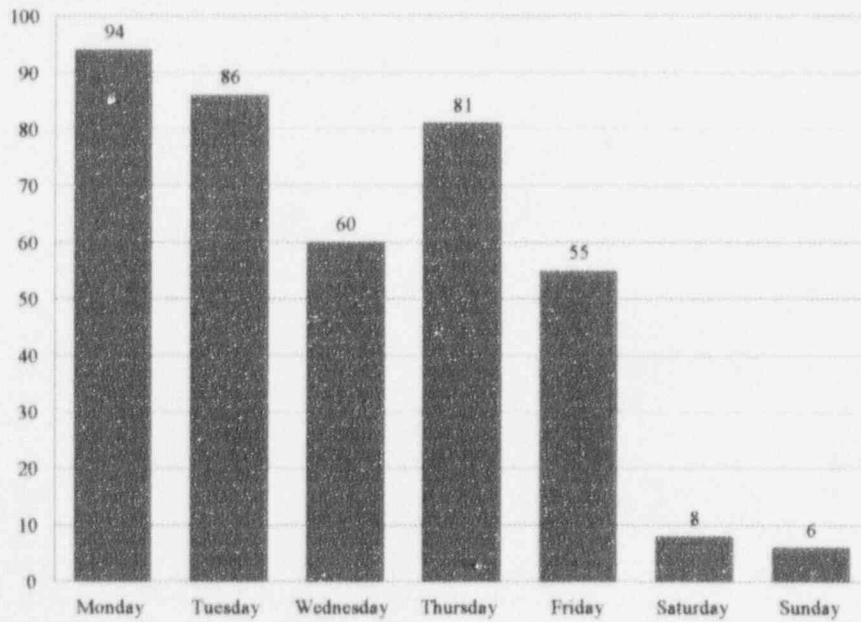


### Random Screenings by Hour of Day

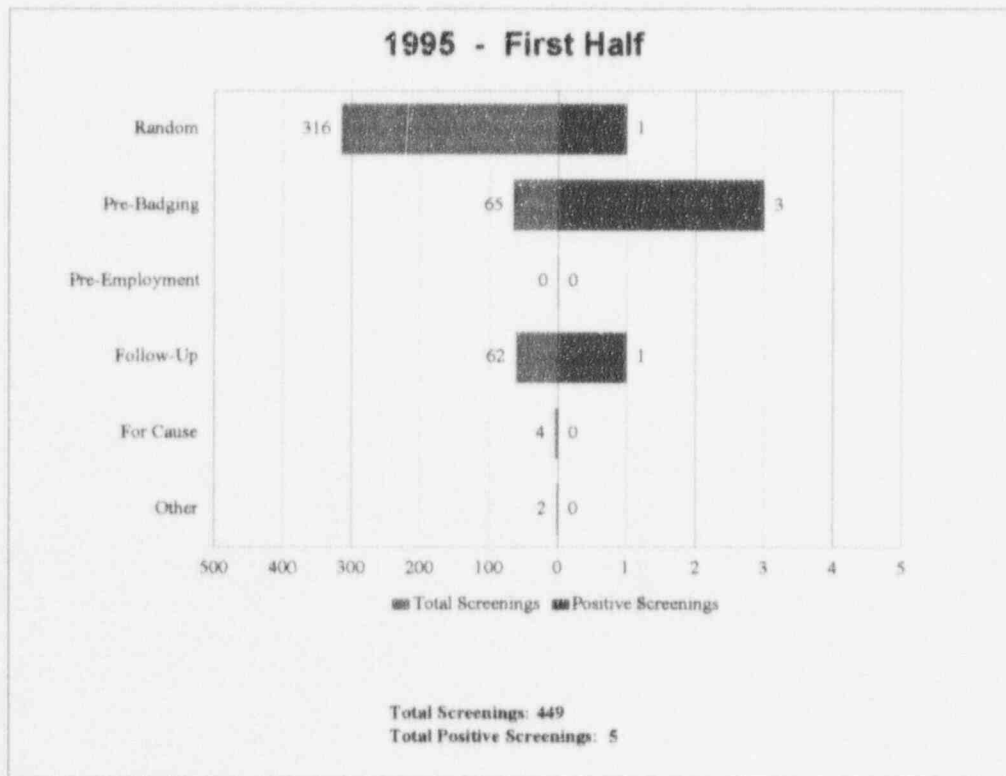
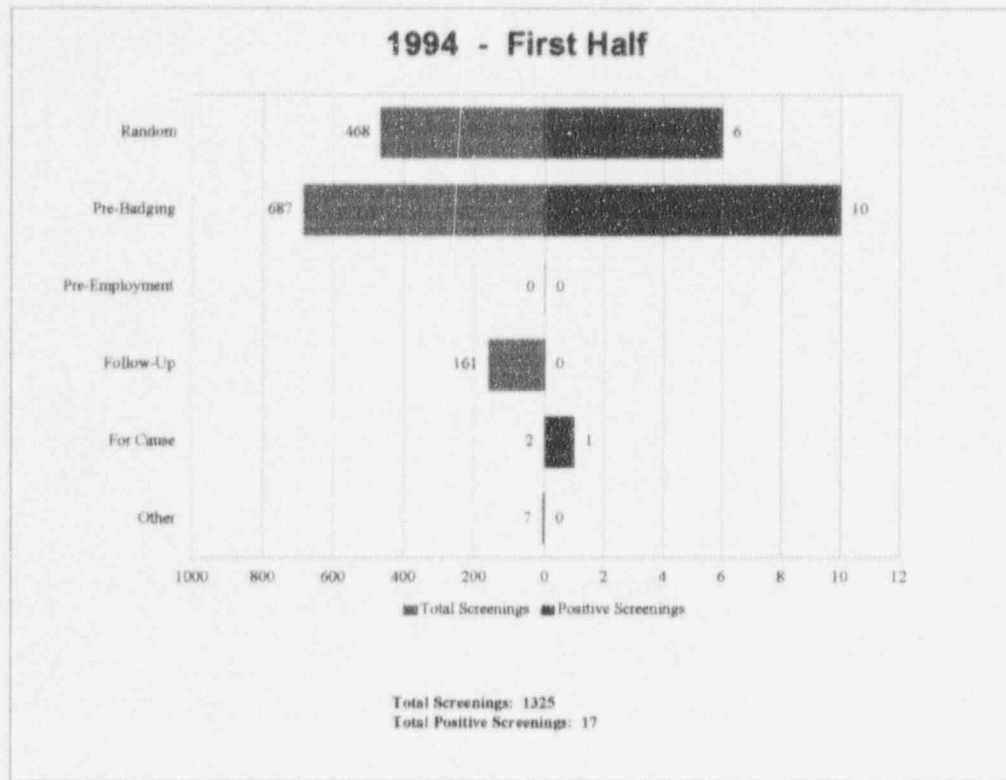


Total Random Screenings: 390

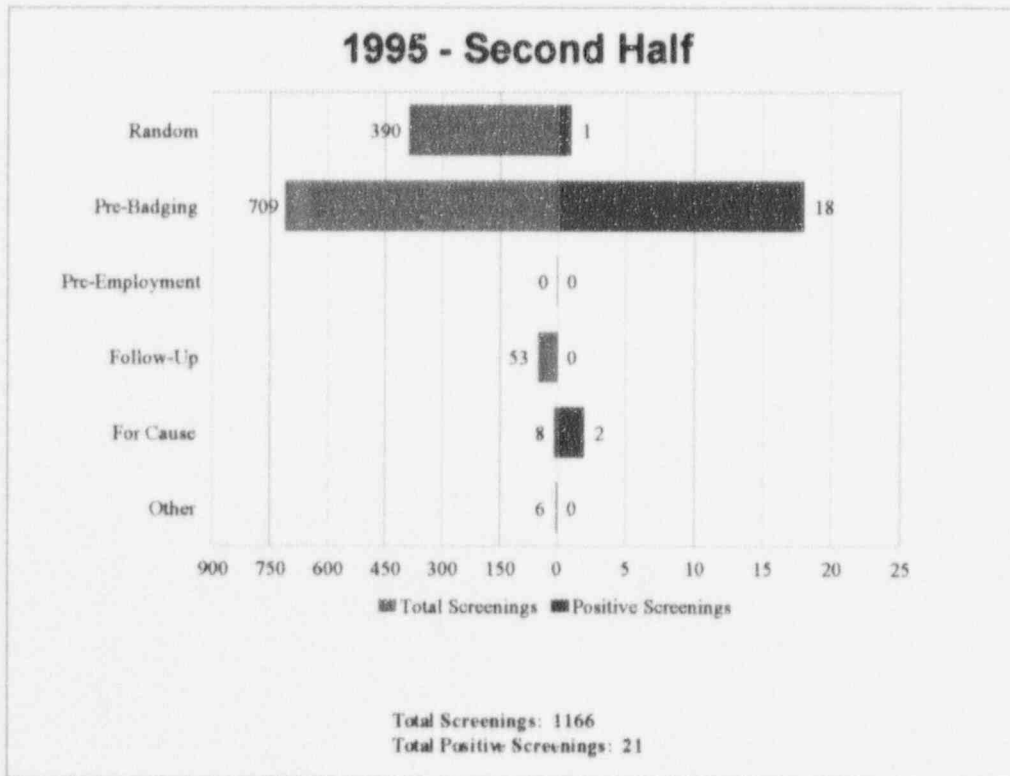
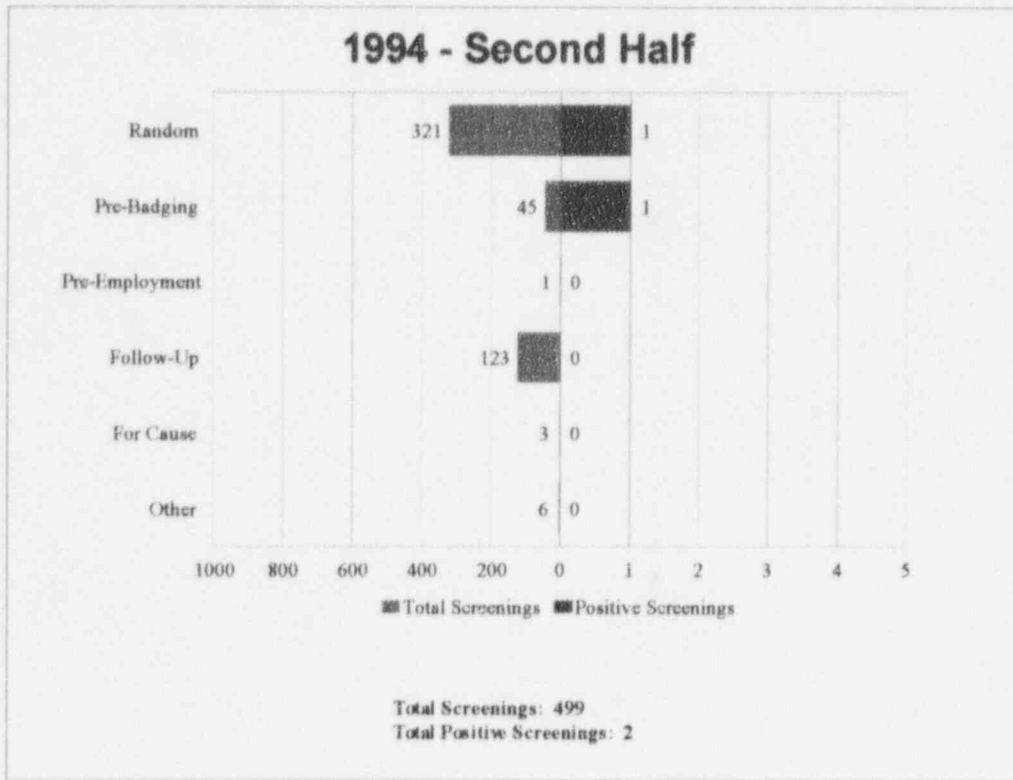
### Random Screenings by Day of Week



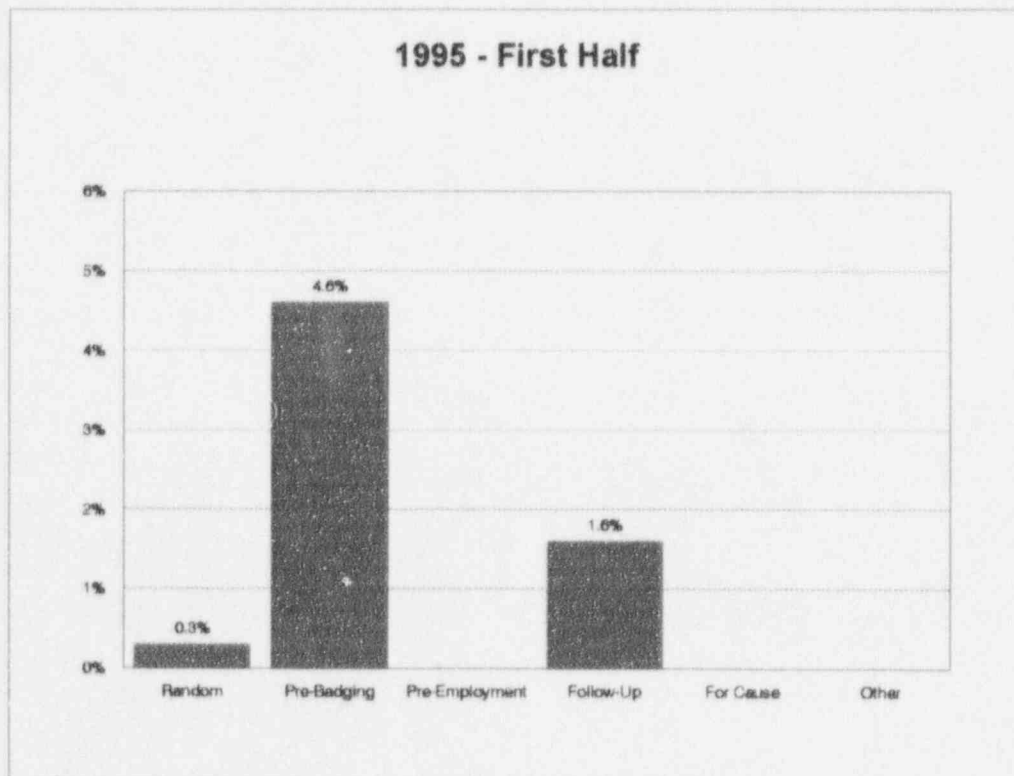
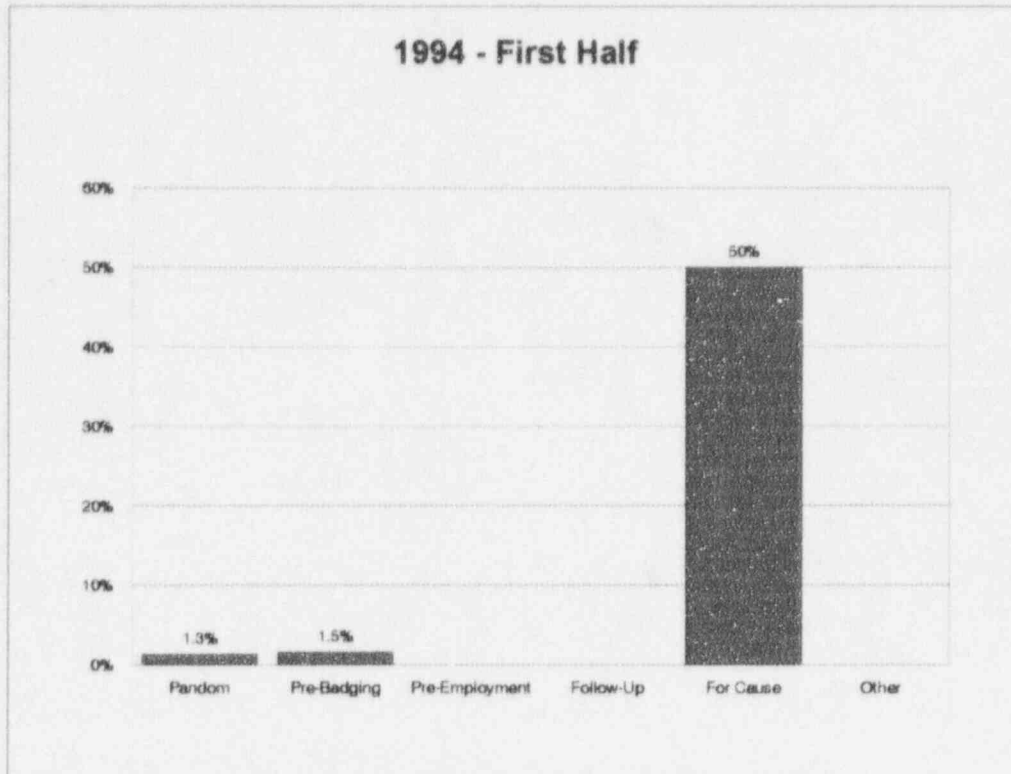
# Total Screenings vs. Positive Screenings



# Total Screenings vs. Positive Screenings

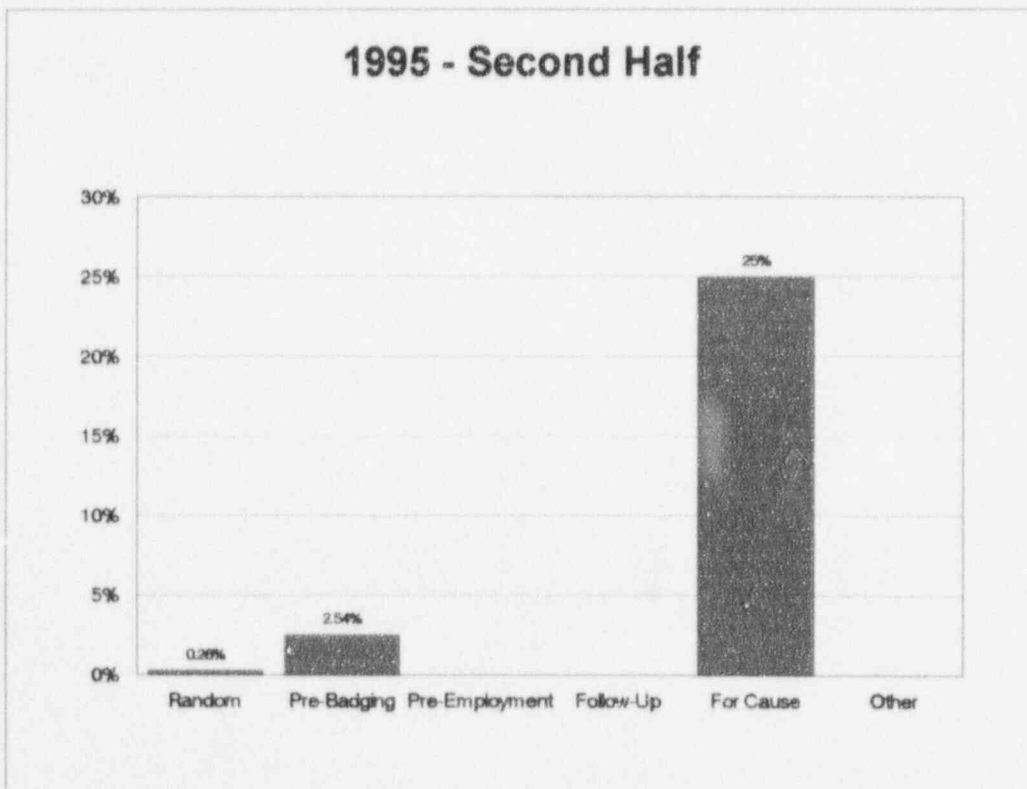
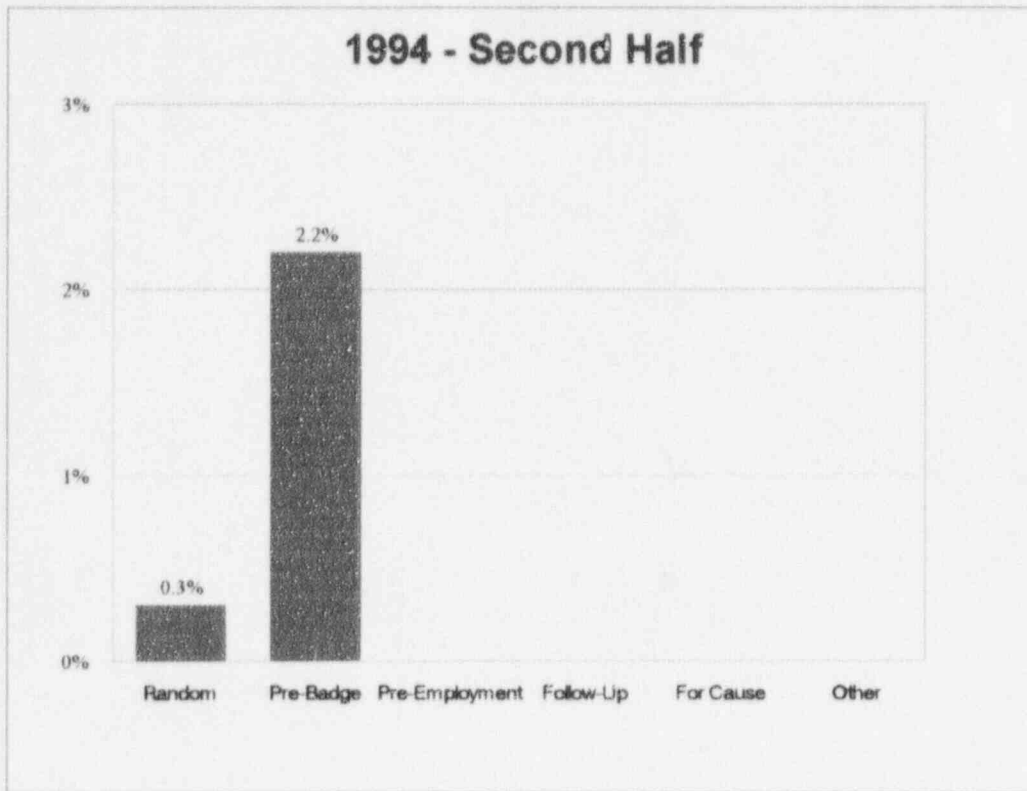


# Positive Percentage of Screenings

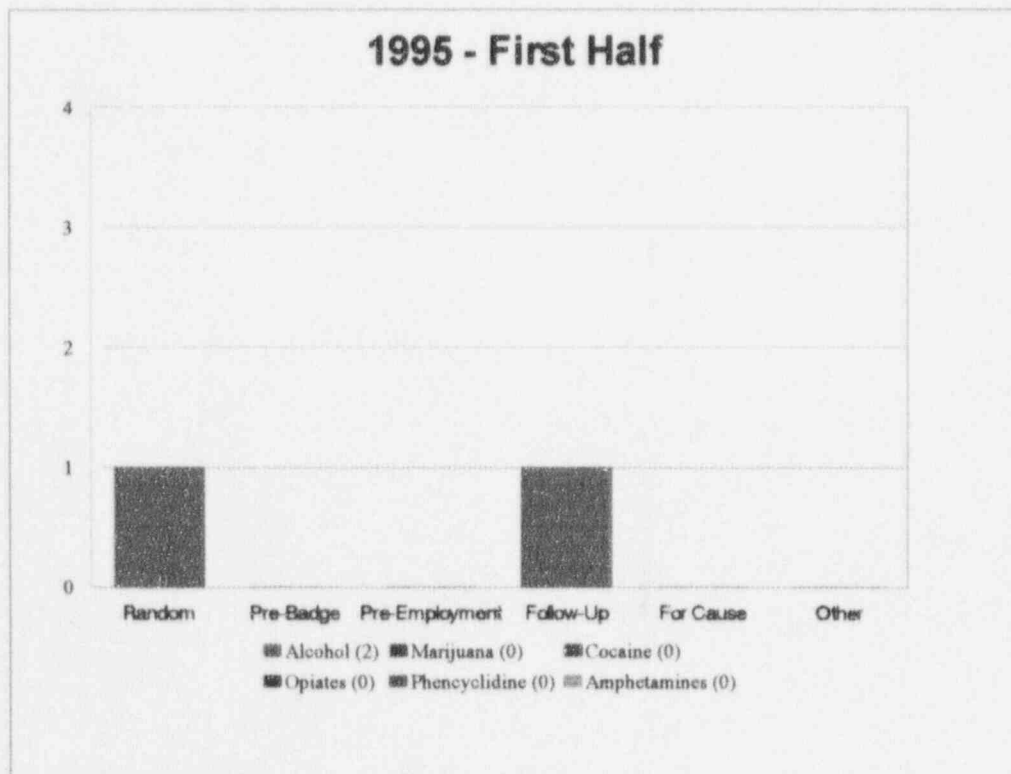
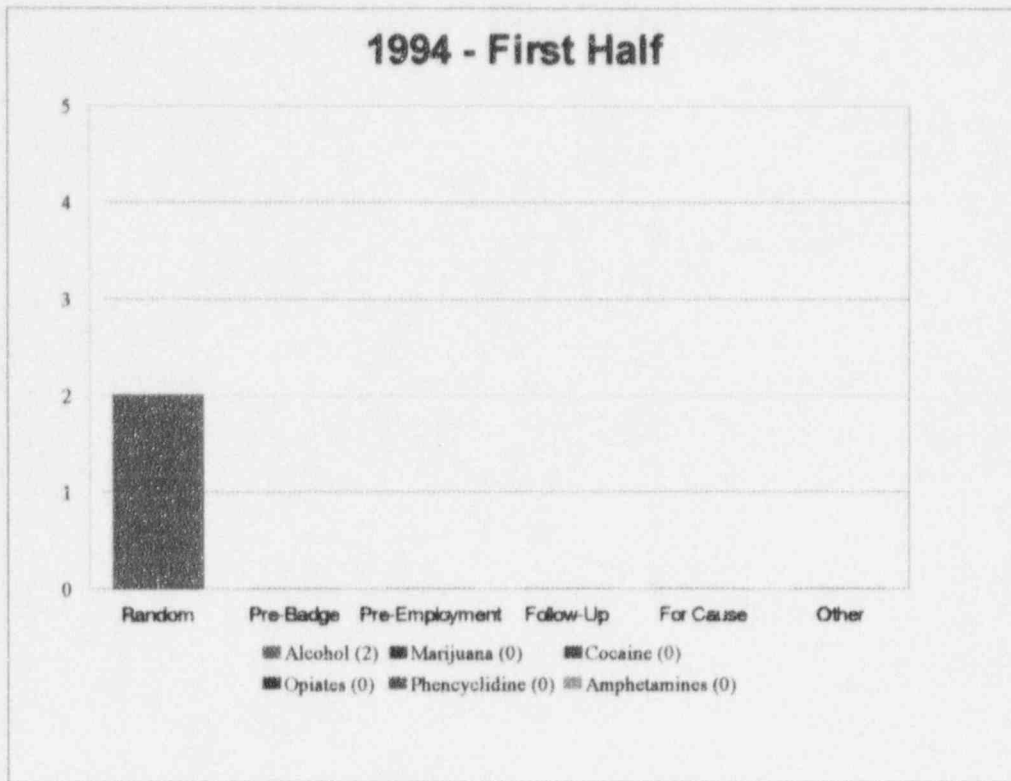




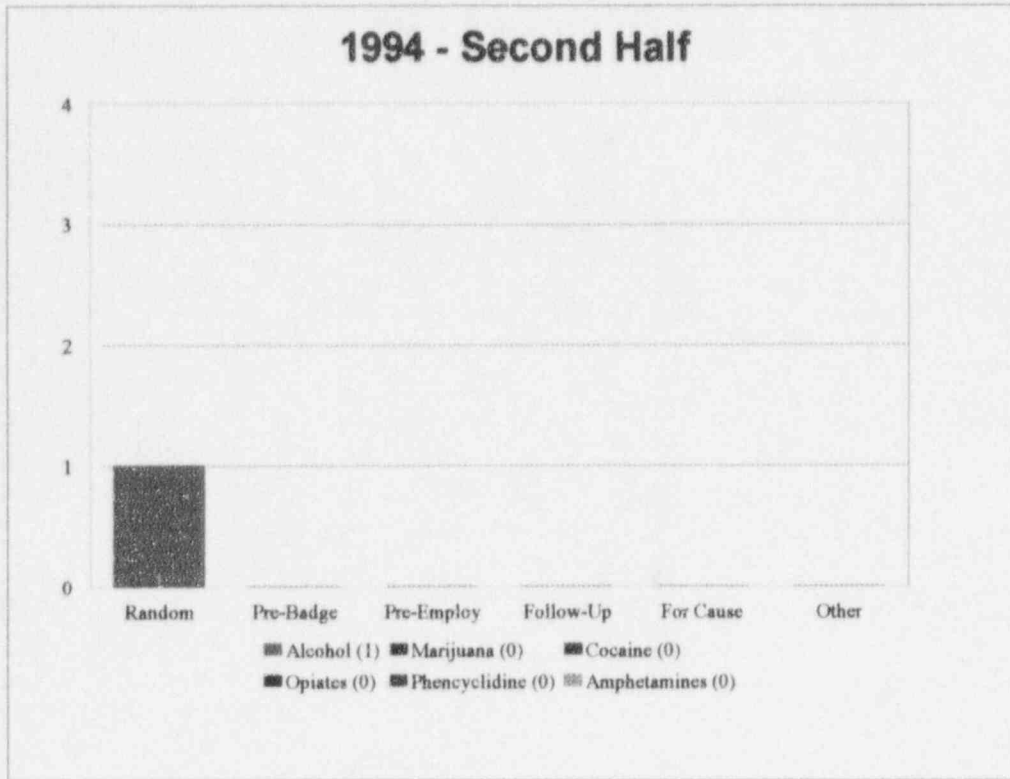
# Positive Percentage of Screenings



# Licensee Positive Screenings



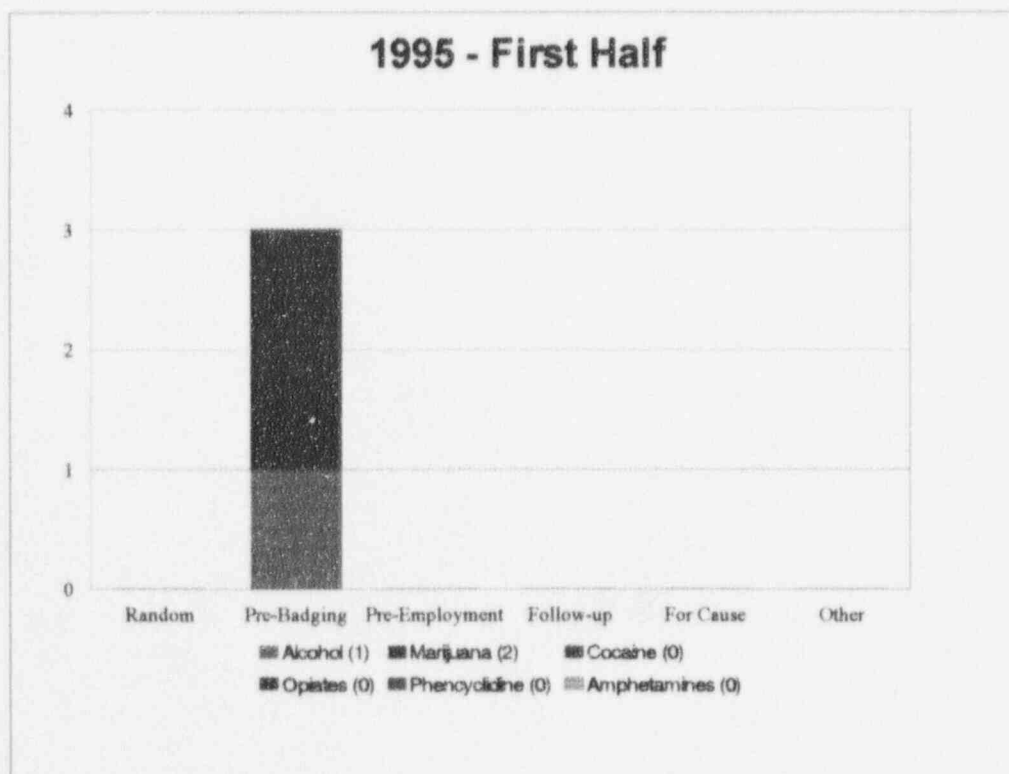
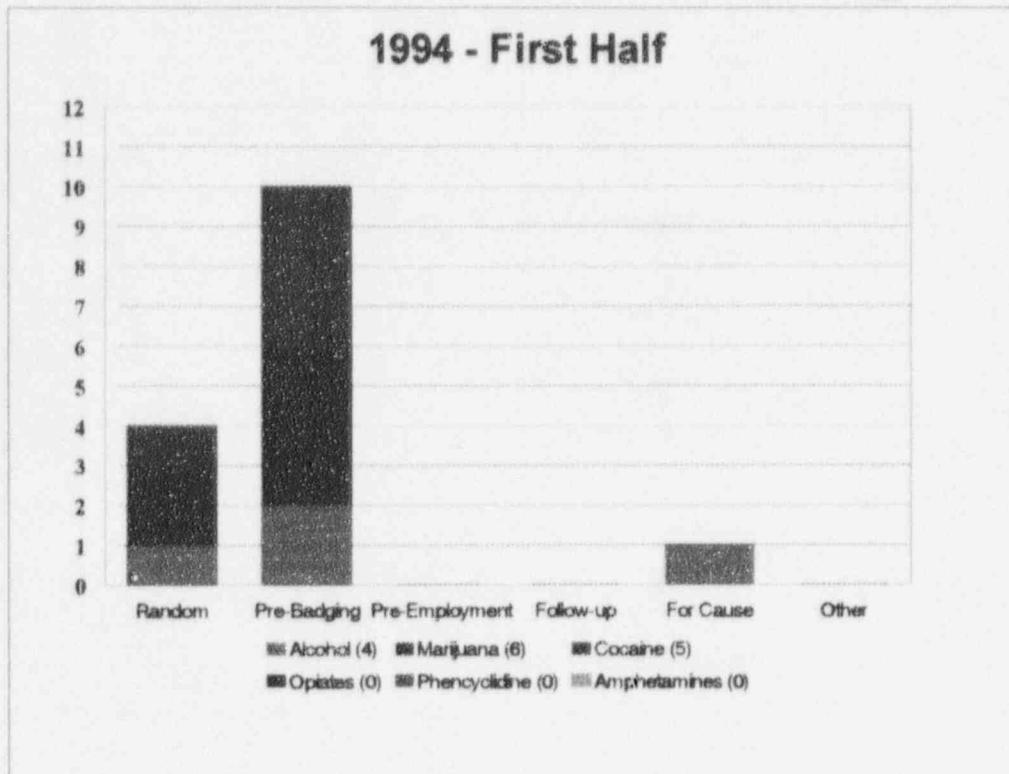
# Licensee Positive Screenings



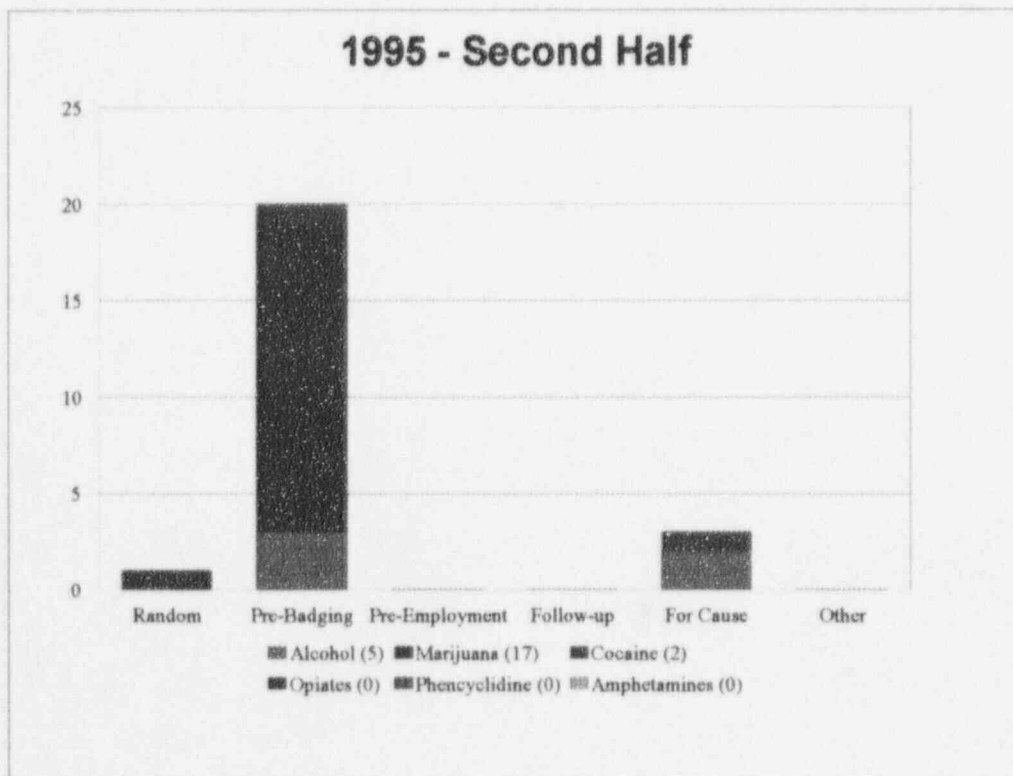
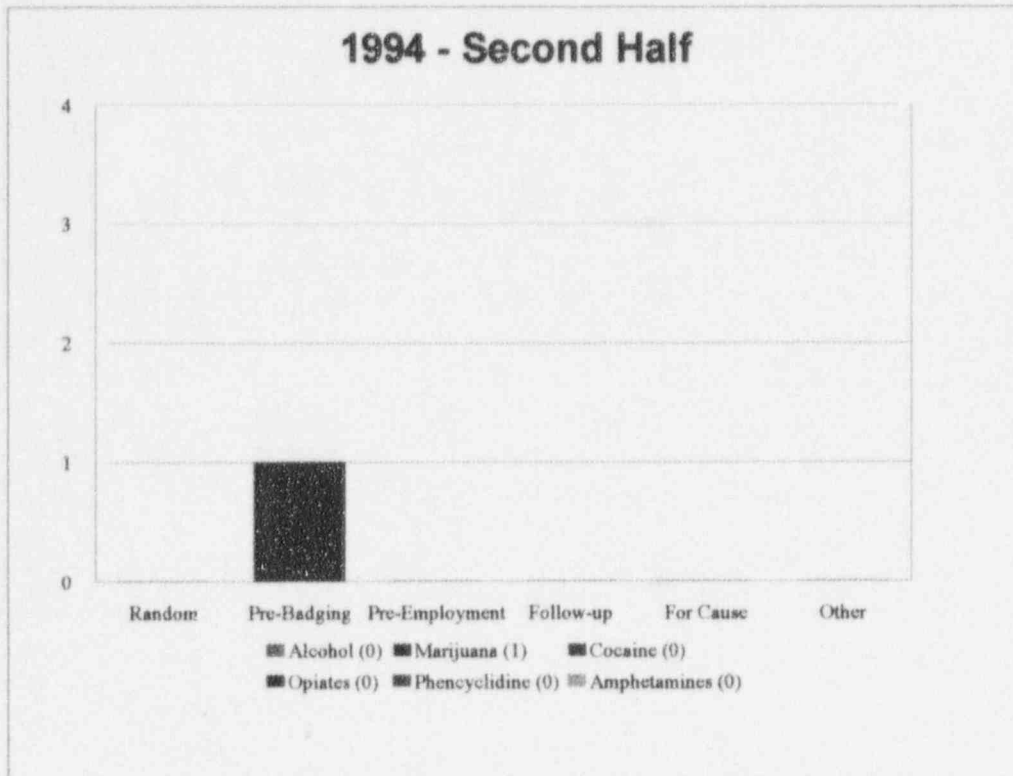
### 1995 - Second Half

There were no licensee positive screenings.

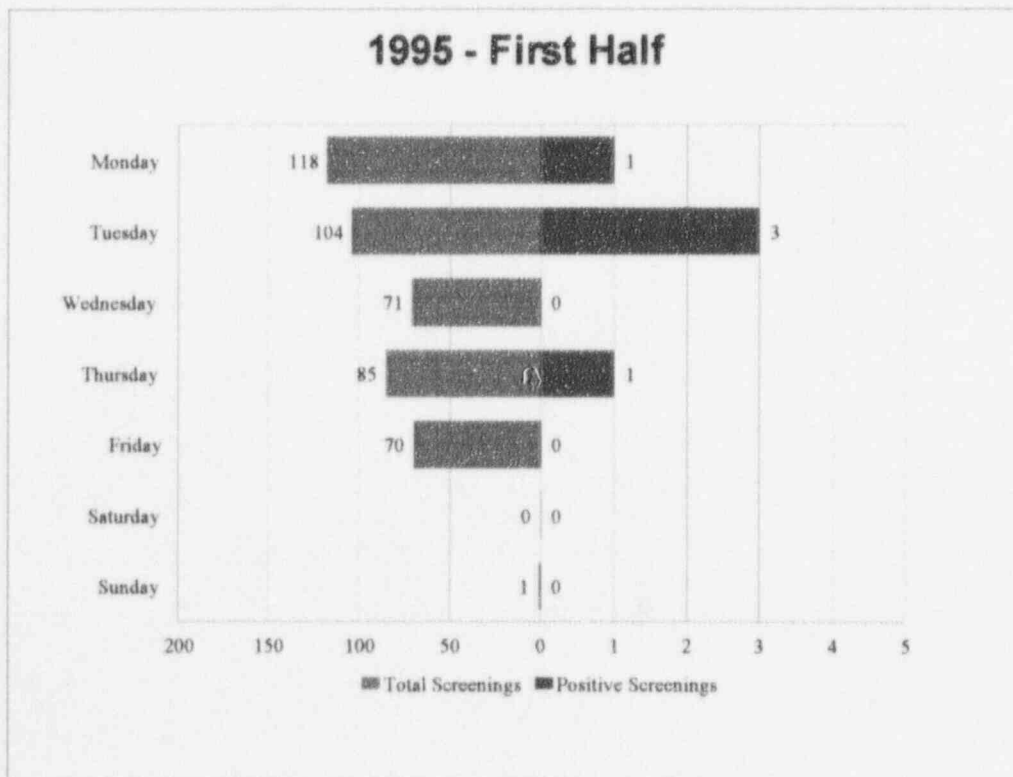
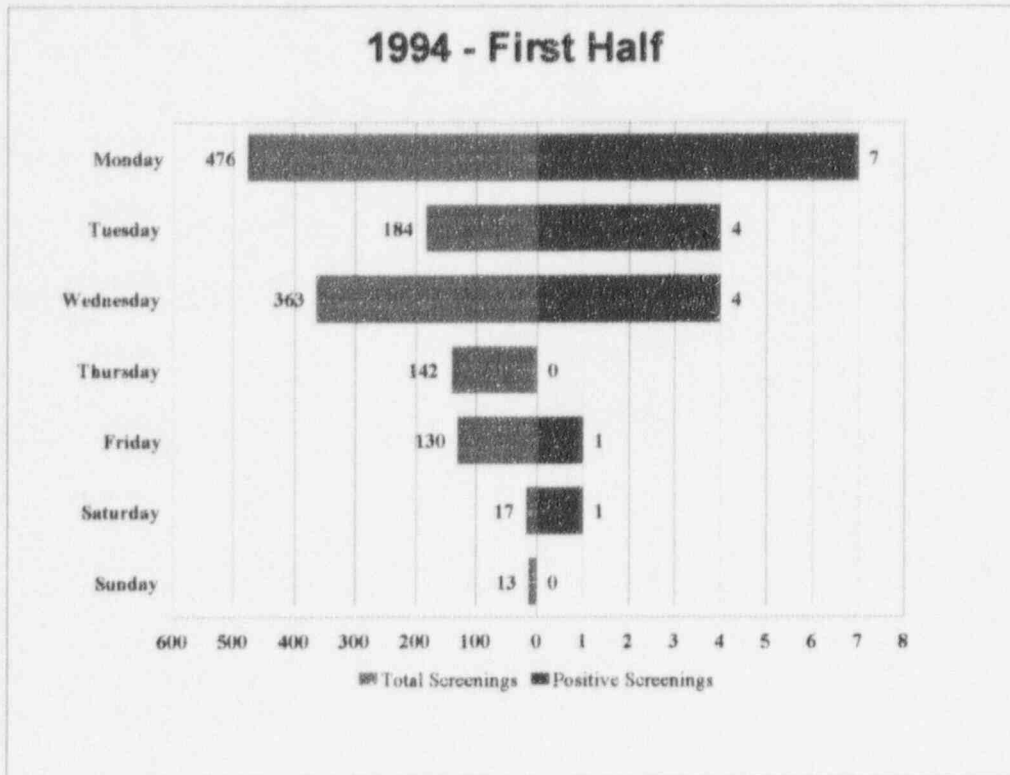
# Contractor Positive Screenings



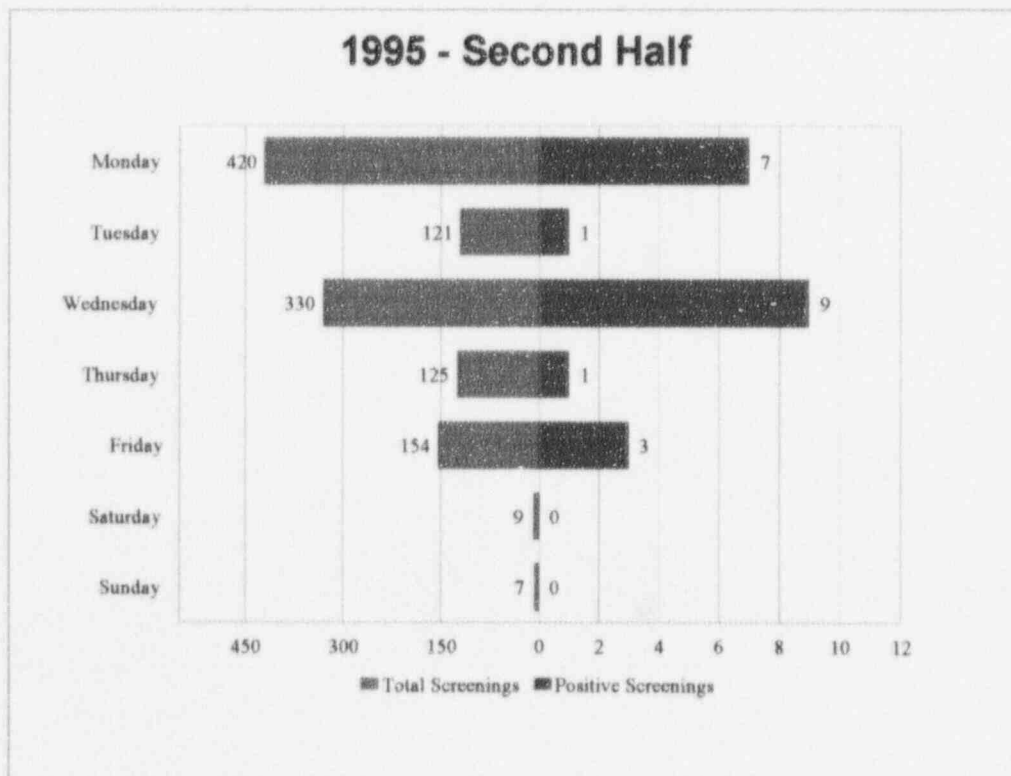
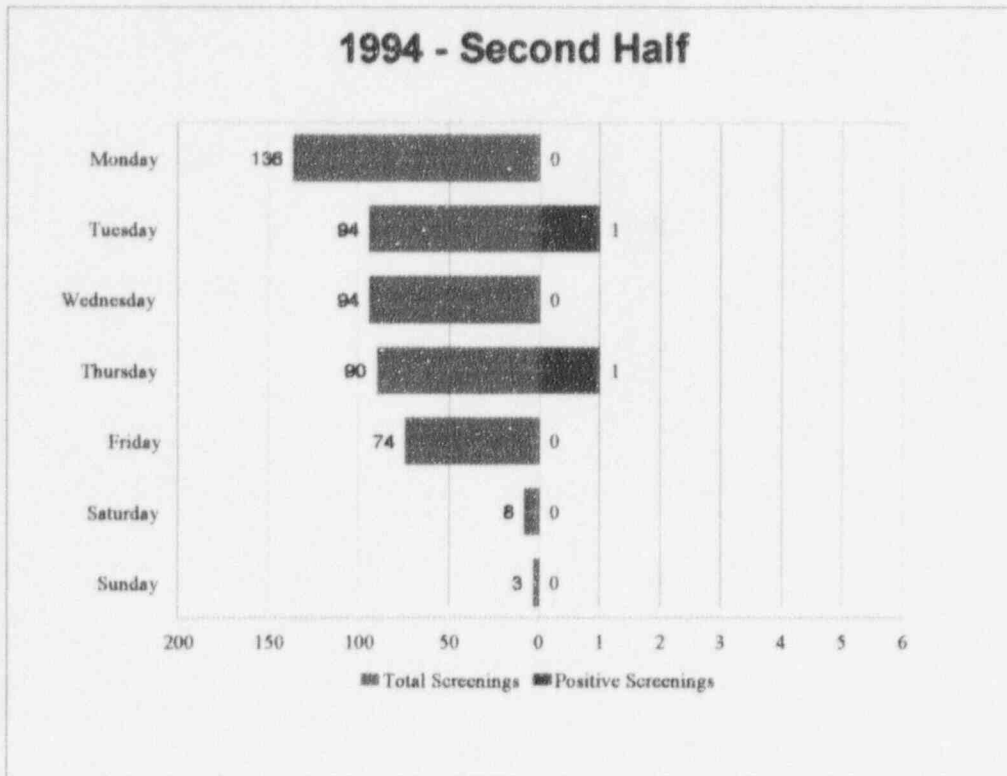
# Contractor Positive Screenings



# Total and Positive Screenings by Day of Week

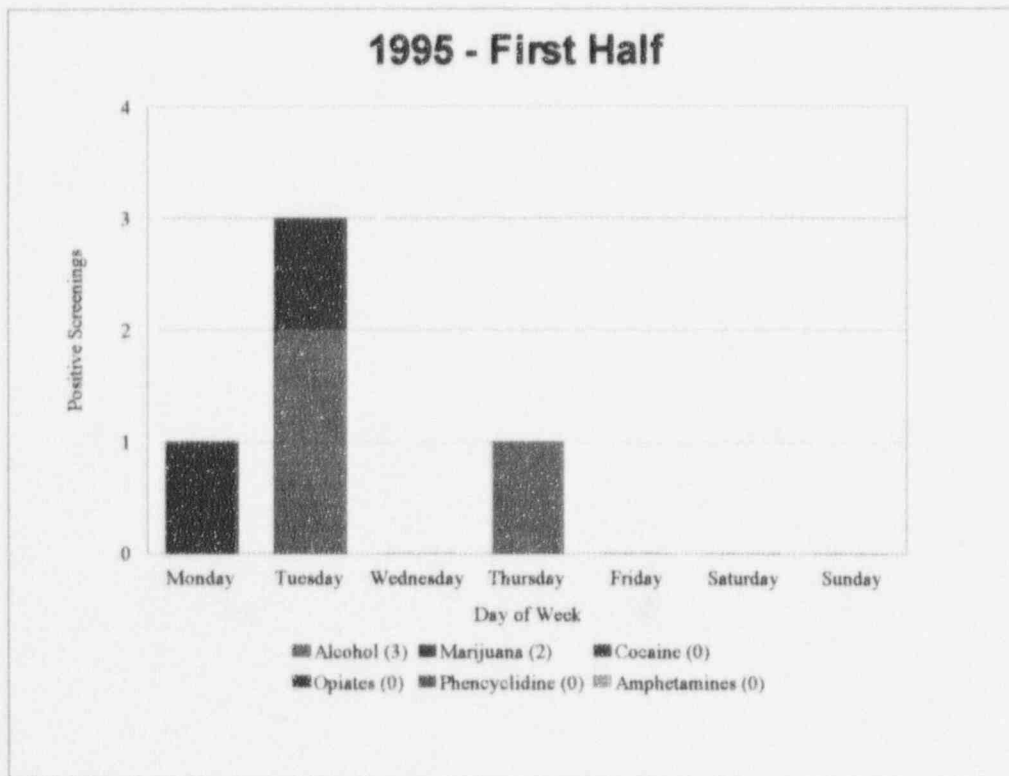
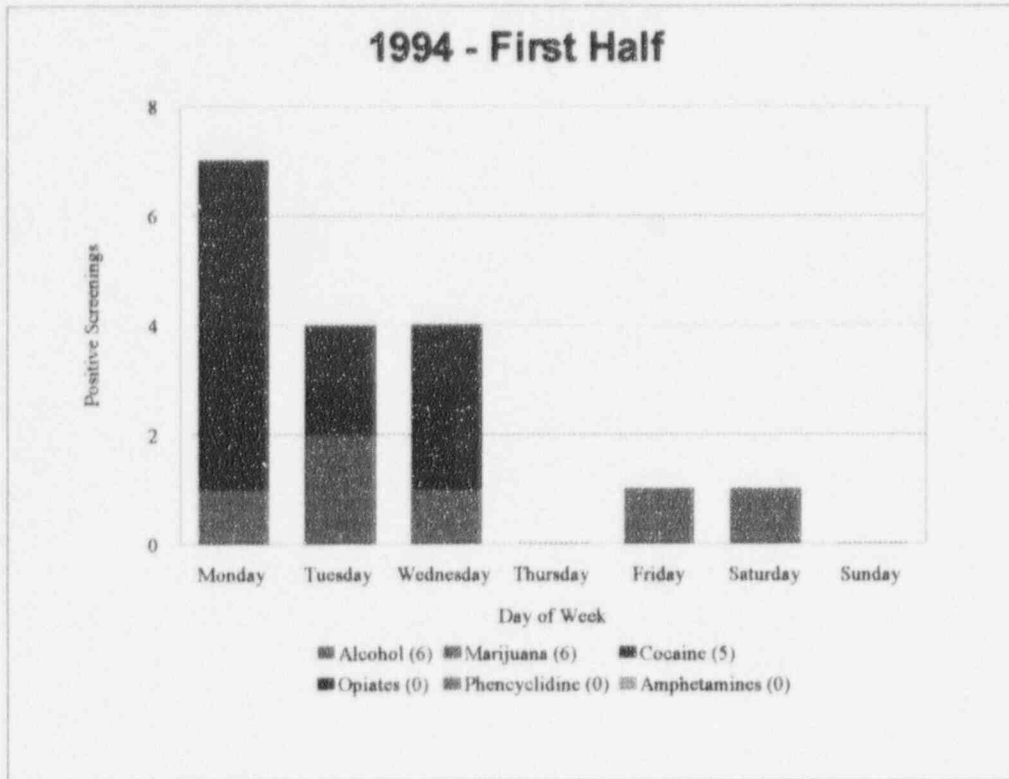


# Total and Positive Screenings by Day of Week

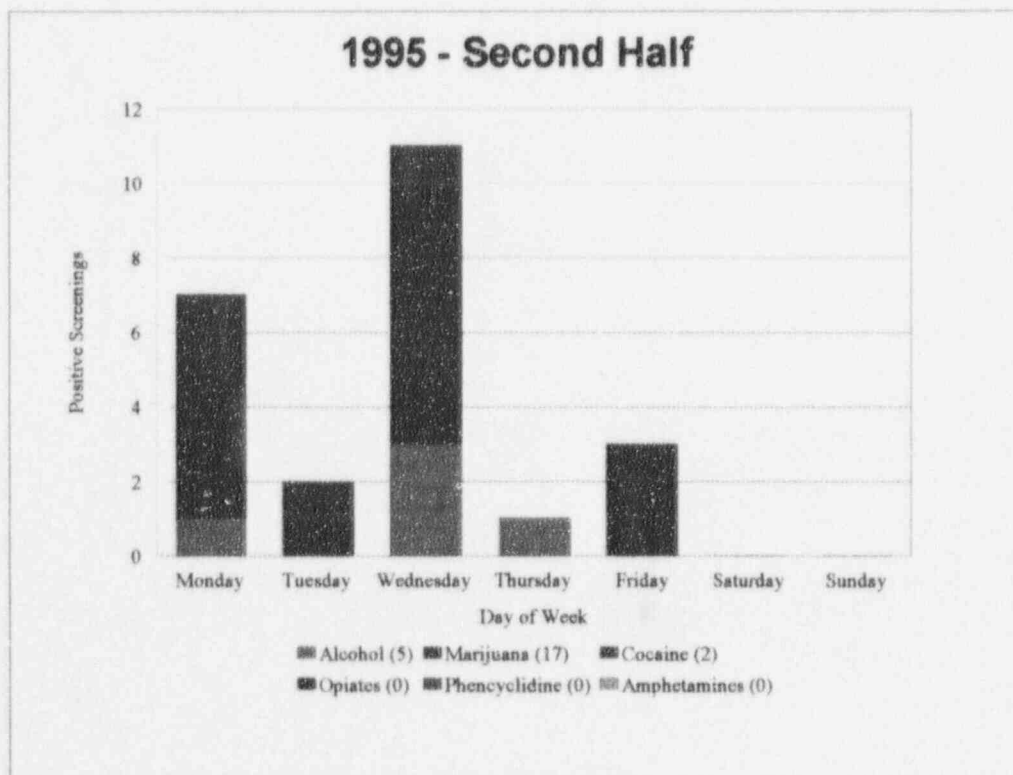
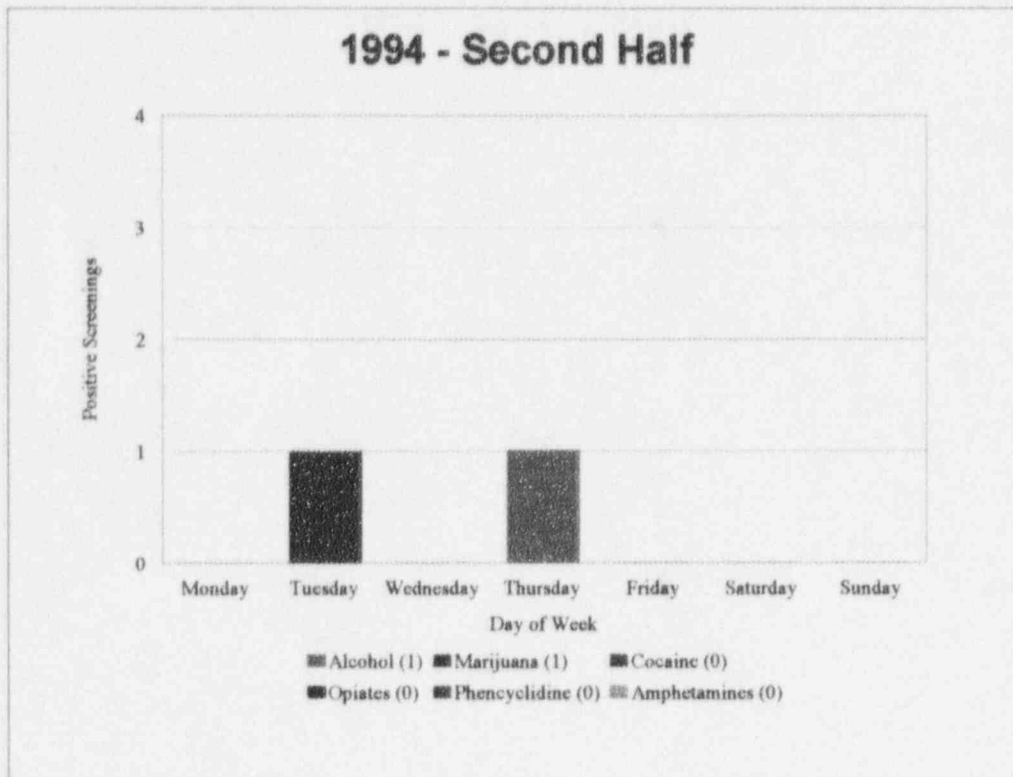




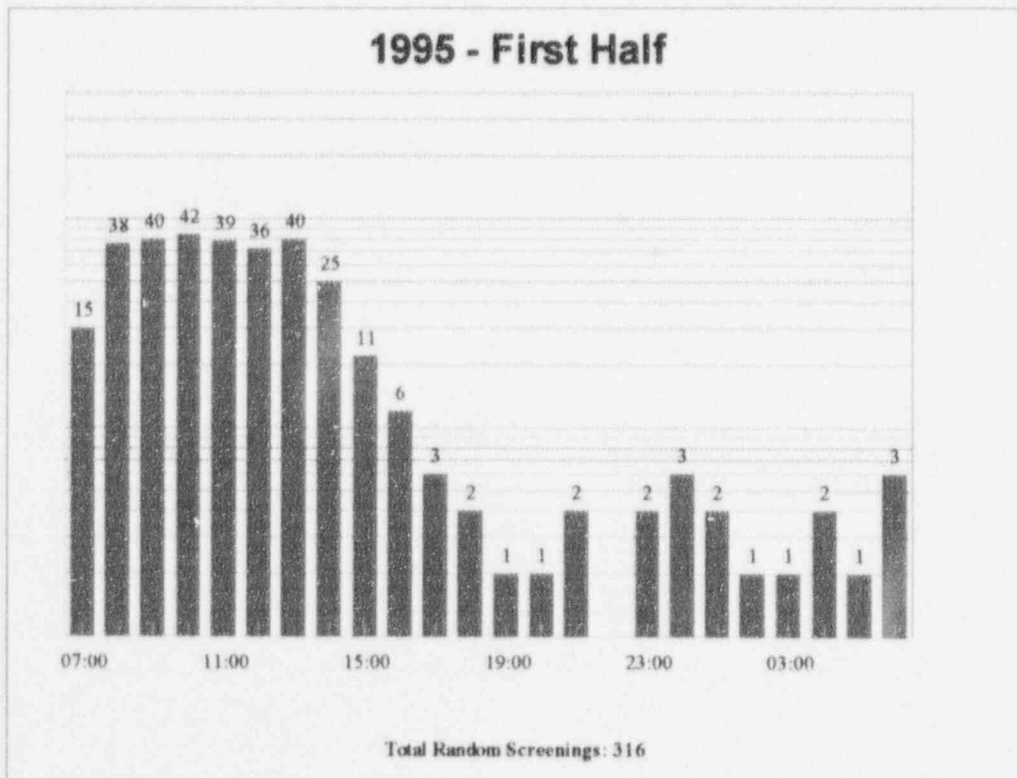
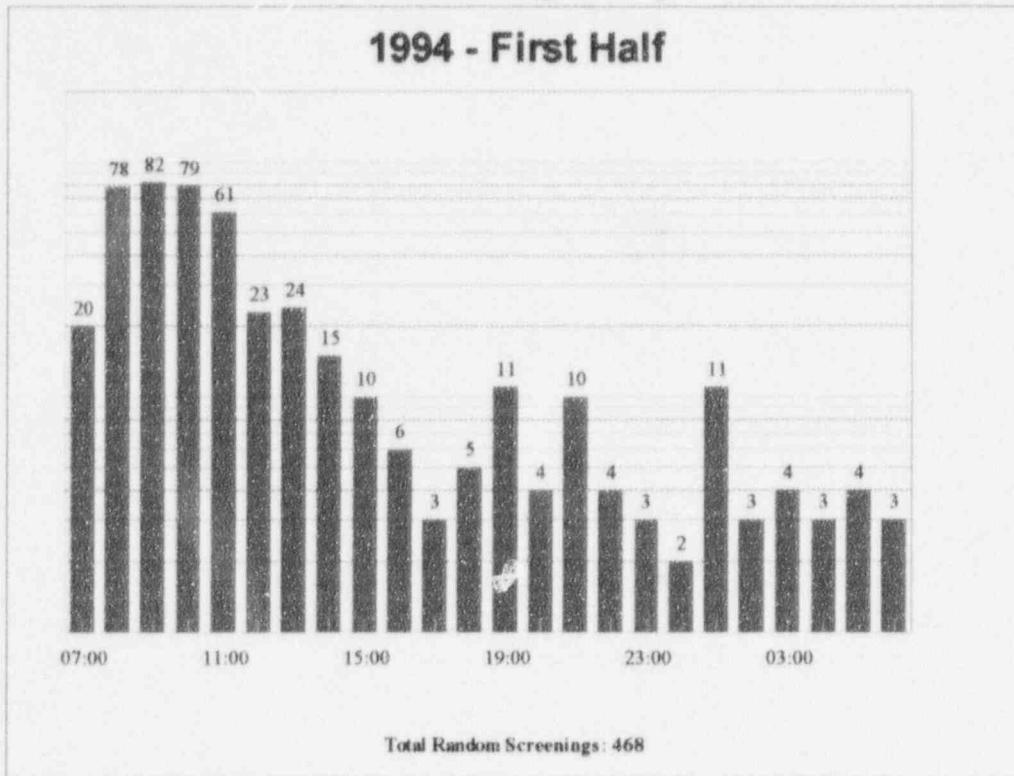
# Substance by Day of Week



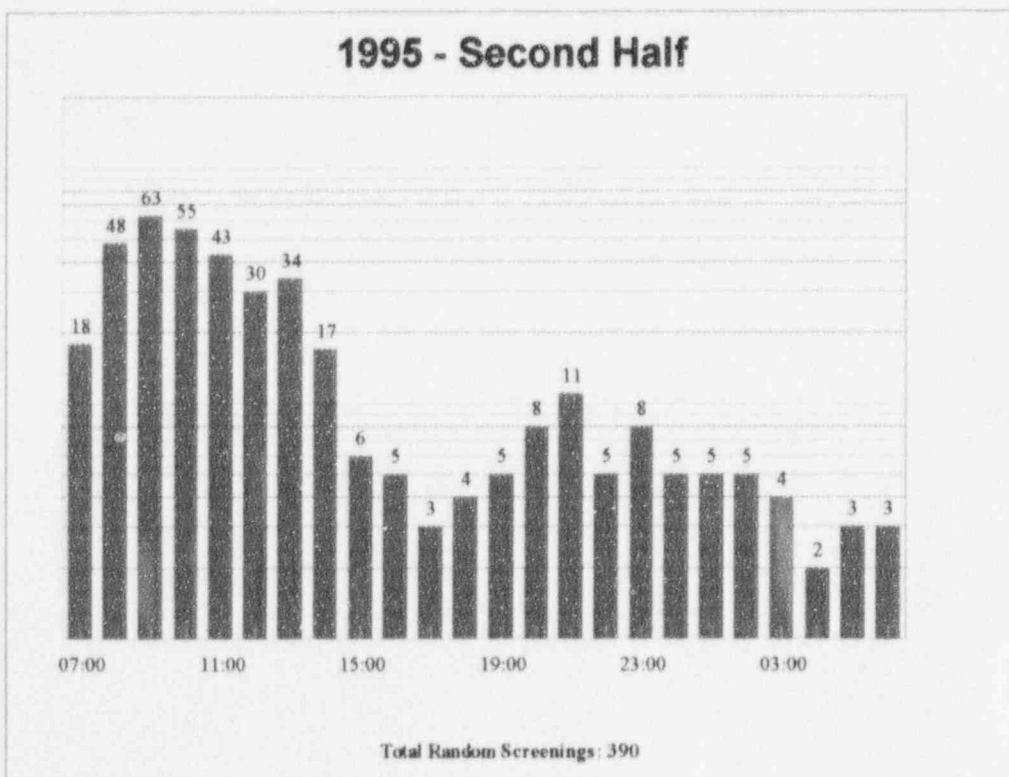
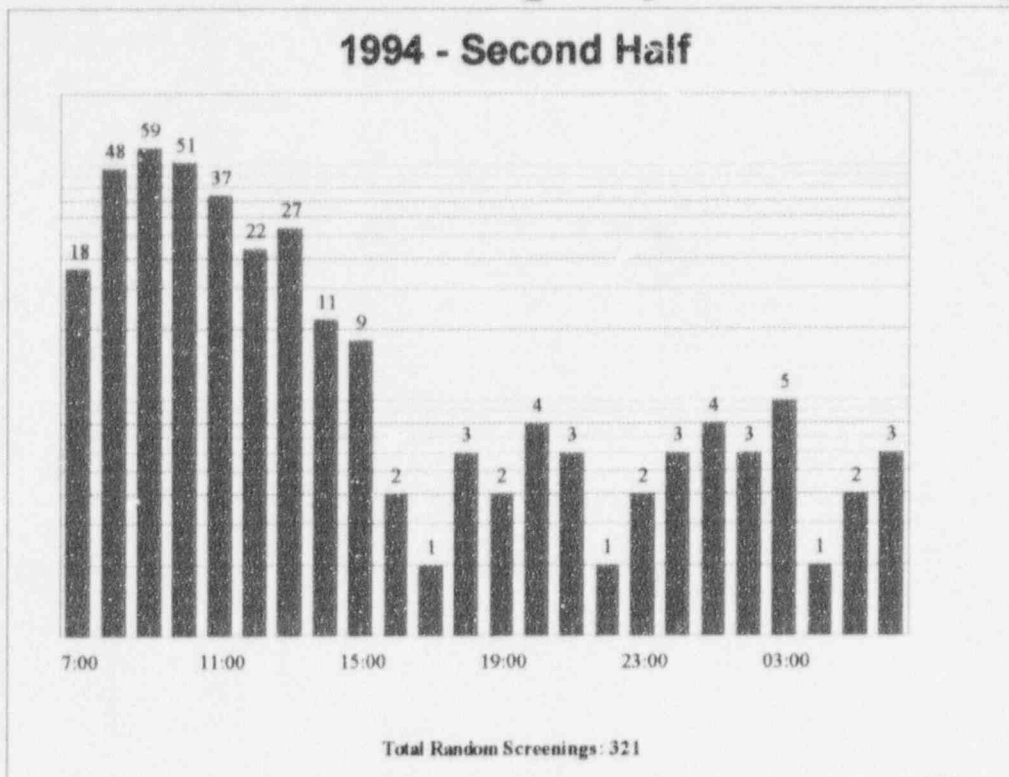
# Substance by Day of Week



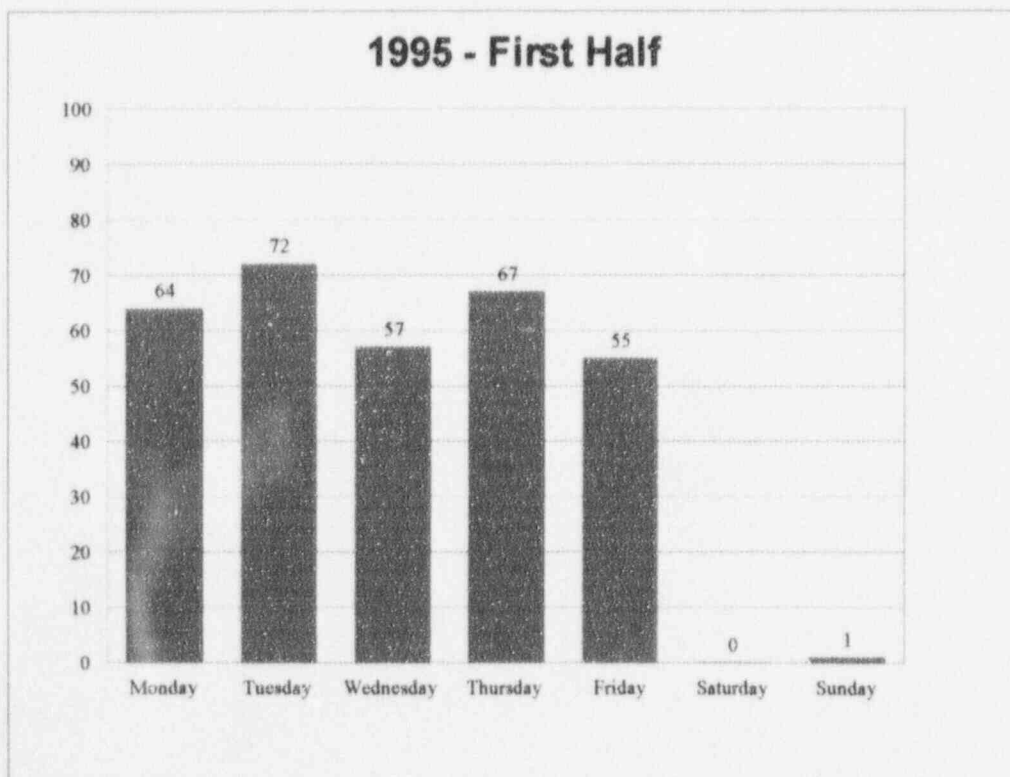
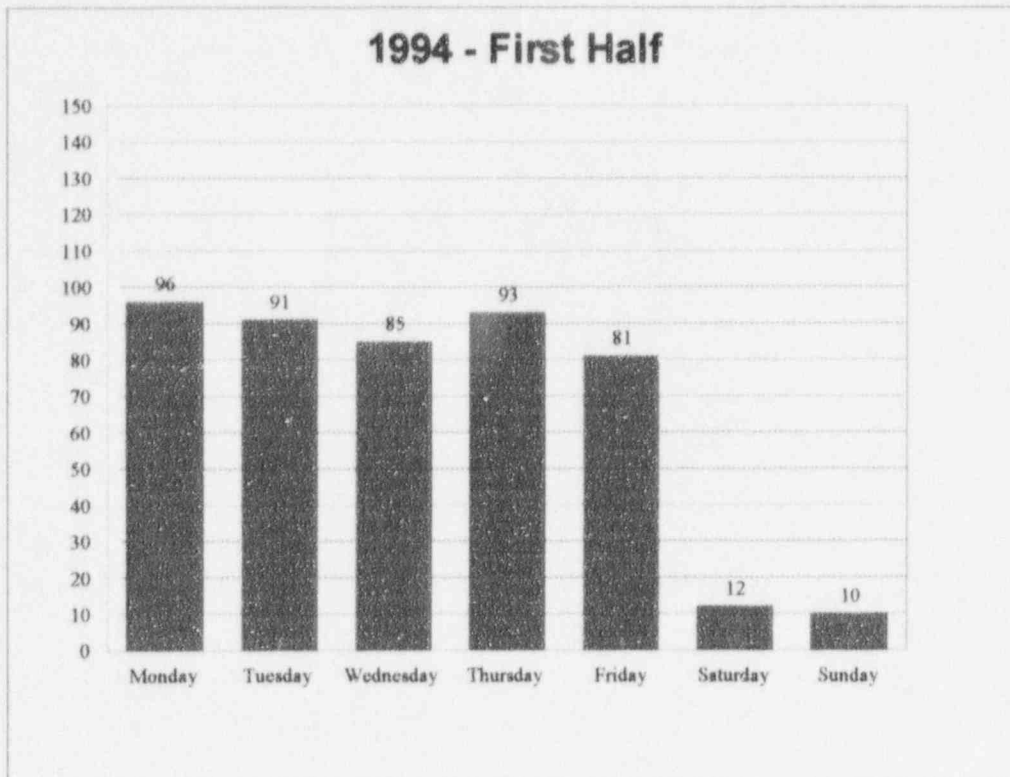
# Random Screenings by Hour of Day



# Random Screenings by Hour of Day



# Random Screenings by Day of Week



# Random Screenings by Day of Week

