

# New Hampshire Yankee

Ted C. Feigenbaum  
President and  
Chief Executive Officer

NYN-92017

February 11, 1992

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

Attention: Document Control Desk

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

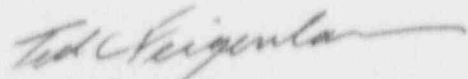
Subject: New Hampshire Yankee Semiannual Fitness-For-Duty Report

Gentlemen:

In accordance with the requirements of 10CFR 26.71(d), enclosed please find the New Hampshire Yankee Semiannual Fitness for Duty Report. This report includes data from July 1, 1991 through December 31, 1991.

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

Enclosure(s)  
TCF:ALL/ss

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New Hampshire Yankee  
February 11, 1992

ENCLOSURE TO NYN-92017

New Hampshire Yankee Semiannual Fitness-for-Duty Report  
for period ending December 31, 1991

Table of Contents

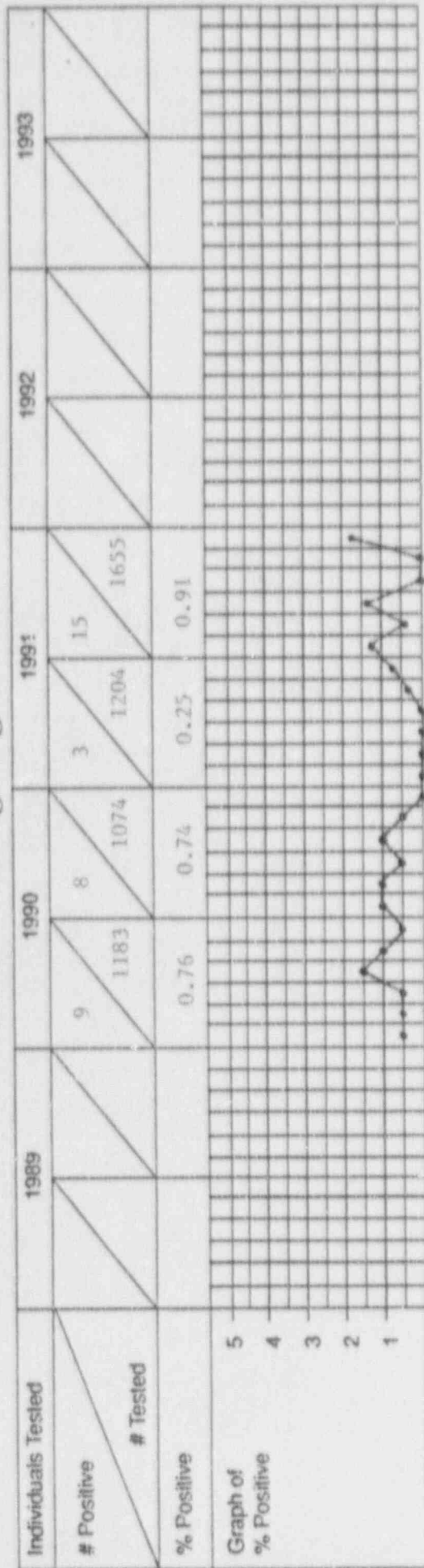
	<u>Page</u>
I. Performance Data Sheets (NUMARC format) .....	01
II. Management Summary	
1. Program Effectiveness .....	03
2. Initiatives .....	03
3. Reported Events .....	04
4. Blind Specimens .....	05
III. Graphic Analysis	
1. Total Screenings vs. Positive Screenings .....	06
2. Positive Percentage of Screenings .....	06
3. Positive Screenings (Licensee Personnel) .....	07
4. Positive Screenings (Contractor Personnel) ....	07
5. Total and Positive tests by Day of the Week ...	08
6. Substances by Day of the Week .....	08
7. Distribution of Random Screenings .....	09
8. Random Screenings by Day of the Week .....	09

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

New Hampshire Yankee		December 31, 1991
P.O. Box 300 Seabrook NH 03874		6 Months Ending
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	100 / 15	Amphetamines 1000 / 500 <u>      N/A      </u> /
Cocaine	300 / 150	Phencyclidine 25 / 25 <u>      N/A      </u> /
Opiates	300 / 300	Alcohol (% BAC) 0.04 <u>      N/A      </u> /

Testing Results	Licensee Employees				Long Term Contractor Personnel		Short Term Contractor Personnel	
	# Tested	# Positive	# Referred to EAP	# Access Restored	# Tested	# Positive	# Tested	# Positive
Average Number with Unescorted Access	869				76		714	
Pre-employment	28	0			0	0	4	0
Pre-badging	4	0			1	0	631	9
Periodic	0	0			0	0	0	0
For cause	1	1			0	0	8	0
Post accident	0	0			0	0	0	0
Random	481	2			38	0	357	2
Follow-up	38	0			12	0	43	1
Other	1	0			0	0	8	0
<b>Total</b>	553	3	2	1	51	0	1051	12

**Random Testing Program Results (includes all tests)**



**Confirmed Positive Tests for Specific Substances**

Substance	1989	1990	1991	1992	1993
Marijuana	4	2	1	5	
Cocaine	1	2	1	6	
Opiates	0	0	0	0	
Amphetamines	0	0	0	0	
Phencyclidine	0	0	0	0	
Alcohol	4	4	1	4	

### PROGRAM EFFECTIVENESS

New Hampshire Yankee 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 NHY brought in over 600 short term contractors to work a refueling outage. Approximately seven hundred and fifty pre-badging and random tests were conducted on these short term contractors, resulting in 10 positive tests. If these refueling outage related tests are deducted from the total tests, the positive percentage rate for non-outage related tests is approximately 0.55% for this period.

For the year, 1991, the positive percentage rate, not including the refueling outage tests, was 0.4%. This rate is lower than the 0.75% positive percentage rate NHY experienced in 1990.

There were no drug or alcohol related accidents or incidents in 1991 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 New Hampshire Yankee based on program reviews and identified weaknesses.

1. Installed additional facsimile machine to minimize delay in receiving test results during refueling outage period.
2. Recertified all collection personnel in the operation of the RBT III, evidential grade breath analysis unit. Recertified Screening Facility Supervisors and Technicians in the calibration of this unit. A factory representative conducted all training and certification.
3. Enhanced FFD computer program to track use of individual breath analysis machines to better forecast maintenance and replacement of units.

4. Developed administrative process to track and revoke access for persons unavailable for behavior observation and testing.
5. Completed annual inspection and records audit of contracted testing laboratory. The laboratory was found to be in compliance with all NRC requirements.

SUMMARY LIST OF TELEPHONICALLY REPORTED EVENTS

During this period there was one (1) telephonically reported event as required by 10 CFR Part 26.

Date of Event:	September 26, 1991
Position of Individual:	Short Term Contractor Supervisor
How discovered:	Follow-up
Substance:	Cocaine
Management Action Taken:	Terminated employment as required by NHY FFD Procedure 11402.  Conducted management review of prior work to determine if there were any possible compromises in the implementation of company policies or procedures.

BLIND SPECIMENS

To ensure laboratory quality control, NHY contracted with Duo Research Inc., Annapolis, 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 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 last six months of 1991, NHY submitted 179 blind performance test specimens to SmithKline Beecham Clinical Laboratories with the following results:

Negative:	143	(80%)
Positive:	<u>36</u>	(20%)
	179*	

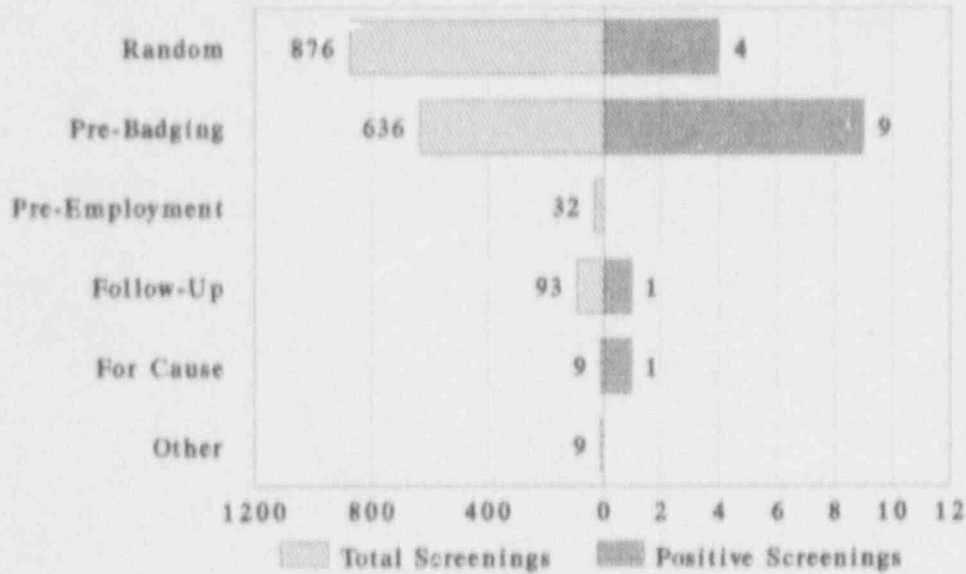
\*This total includes five samples containing a high concentration of the over-the-counter stimulant ephedrine that were sent to challenge the laboratory on its ability to distinguish this drug from methamphetamine. This was prompted by a number of false positive reports generated in three other laboratories. All five samples were correctly reported negative.

One of the blind specimens, containing cocaine metabolite, was incorrectly reported as negative. Duo Research conducted an unannounced inspection and record audit and determined that this incorrectly reported result did not constitute unsatisfactory performance.

Another blind specimen submitted during this period containing d-methamphetamine and d-amphetamine was incorrectly reported by the contracted laboratory as positive for both substances. The correct result should have been positive only for d-methamphetamine. Duo Research conducted an unannounced inspection and determined the cause to be a protocol violation and an administrative false positive. The inspection report emphasizes that the consequence of a similar error on a real specimen would not place the donor in any jeopardy, since amphetamine must be present in order for methamphetamine to be reported as positive. The NRC was telephonically notified of this incident.

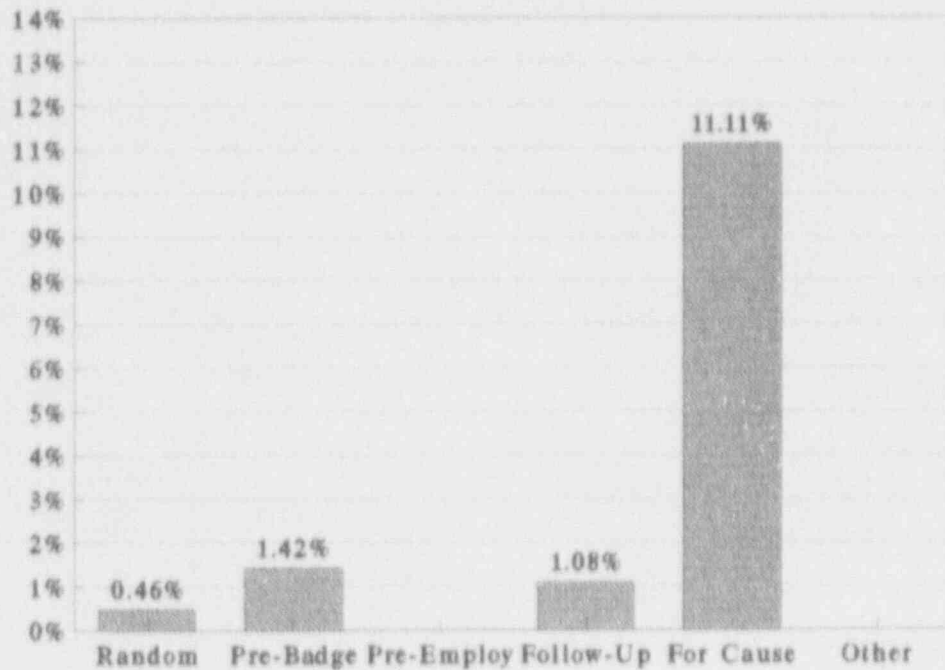


### Total Screenings vs. Positive Screenings

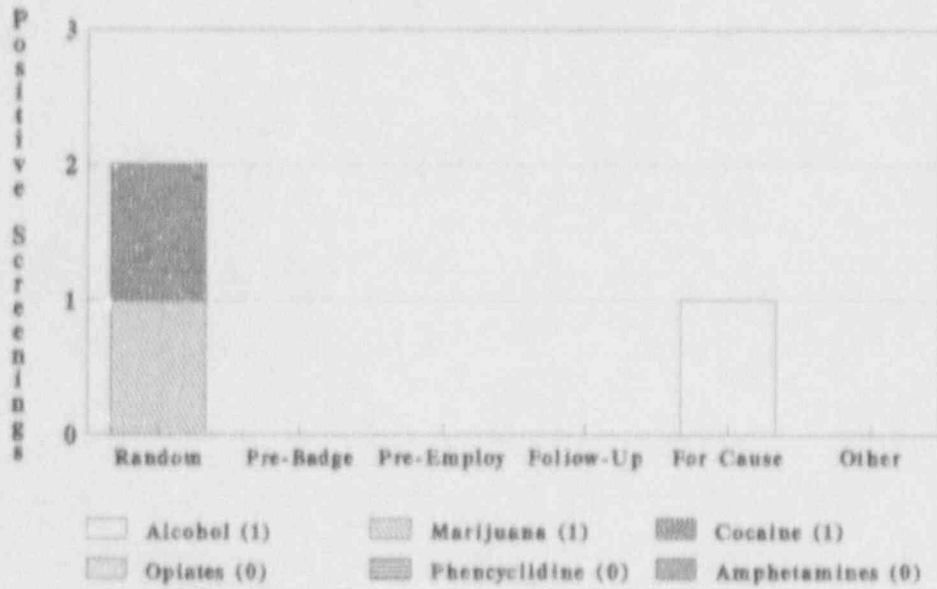


Total Screenings: 1655  
 Total Positive Screenings: 15

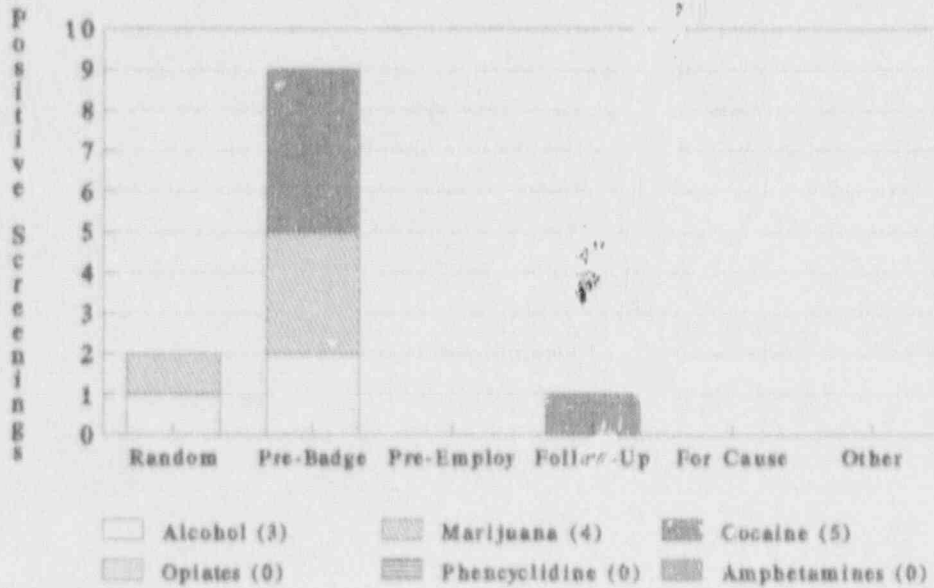
### Positive Percentage of Screenings



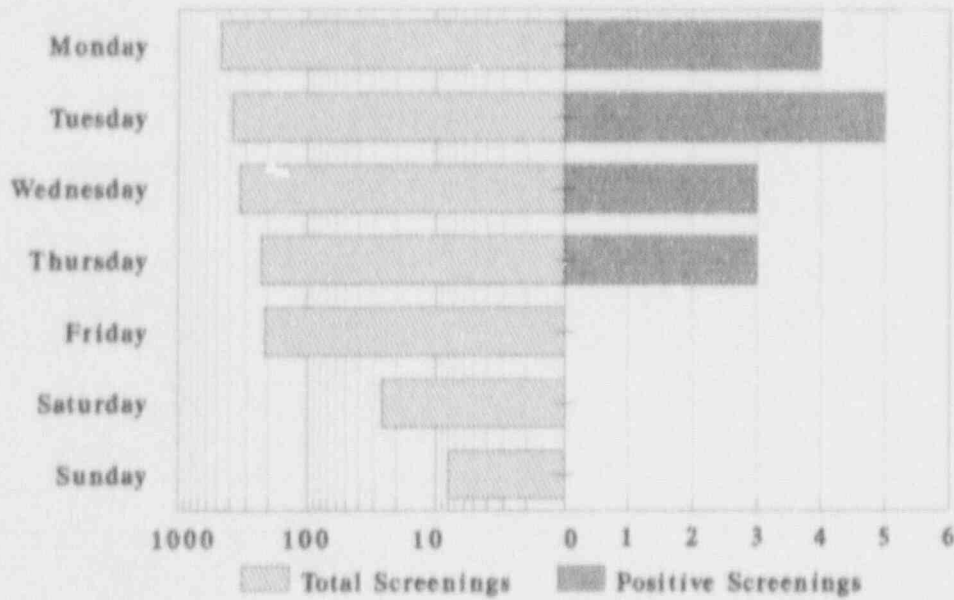
### Positive Screenings Licensee Personnel



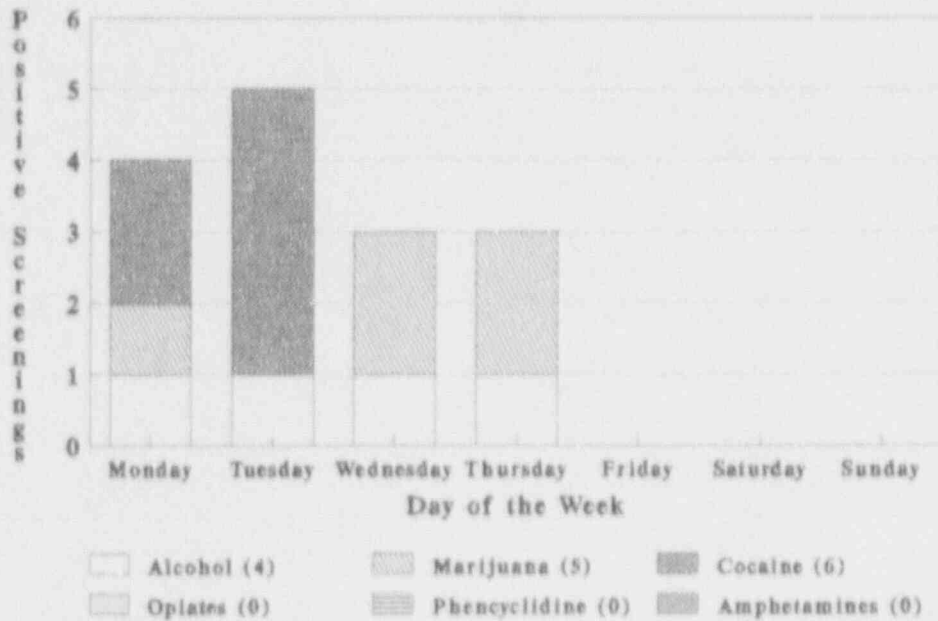
### Positive Screenings Contractor Personnel



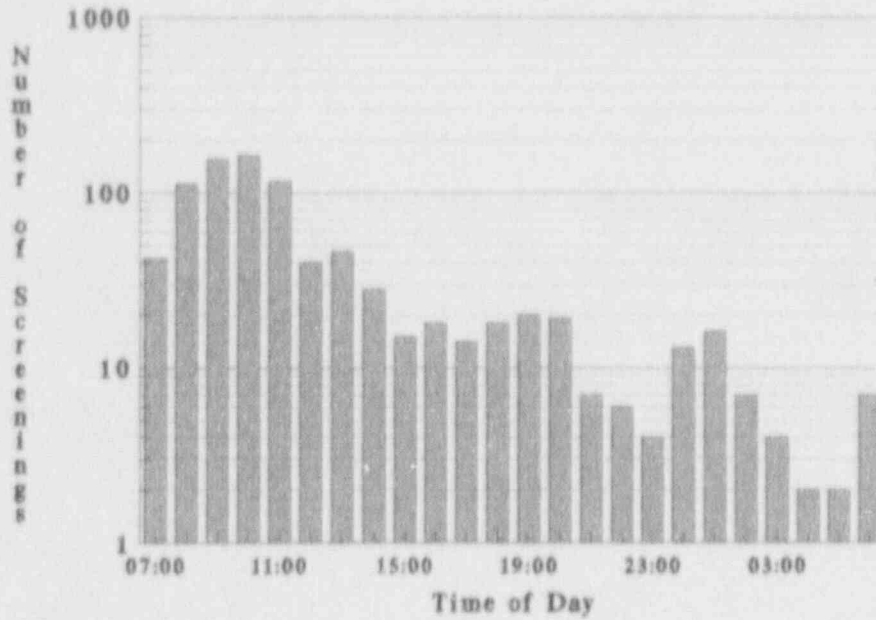
### Total and Positive Screenings by Day of the Week



### Substance by Day of the Week



### Distribution of Random Screenings over time of day



Total Random Screenings: 876

### Random Screenings by Day of the Week

