

# New Hampshire Yankee

Ted C. Feigenbaum  
President and  
Chief Executive Officer

NYN-92023

February 28, 1992

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

Attention: Document Control Desk

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

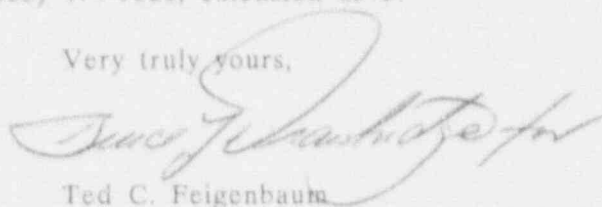
Subject: Facility Operating Report (LER) 92-01-00: Non-compliance with Technical  
Specification Action Requirements

Gentlemen:

Enclosed please find Licensee Event Report (LER) No. 92-01-00 for Seabrook Station. This submittal documents an event which occurred on January 29, 1992, and is being reported pursuant to 10 CFR 50.73(a)(2)(i).

Should you require further information regarding this matter, please contact Mr. Allen L. Legendre Jr., Lead Engineer - Compliance, at (603) 474-9521, extension 2373.

Very truly yours,



Ted C. Feigenbaum

TCF:MDO/act

Enclosures: NRC Forms 366, 366A

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New Hampshire Yankee Division of Public Service Company of New Hampshire  
P.O. Box 300 • Seabrook, NH 03874 • Telephone (603) 474-9521

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United States Nuclear Regulatory Commission  
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February 28, 1992  
Page two

cc: Mr. Thomas T. Martin  
Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region I  
475 Allendale Road  
King of Prussia, PA 19406

Mr. Gordon E. Edison, Sr. Project Manager  
Project Directorate I-3  
Division of Reactor Projects  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Mr. Noel Dudley  
NRC Senior Resident Inspector  
P.O. Box 1149  
Seabrook, NH 03874

INPO  
Records Center  
1100 Circle 75 Parkway  
Atlanta, GA 30339

## LICENSEE EVENT REPORT (LER)

|                                       |  |  |  |  |  |  |  |  |  |                                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
|---------------------------------------|--|--|--|--|--|--|--|--|--|--------------------------------------|--|--|--|--|--|--|--|--|--|----------------------|--|--|--|--|--|--|--|--|--|
| FACILITY NAME (1)<br>SEABROOK STATION |  |  |  |  |  |  |  |  |  | DOCKET NUMBER (2)<br>0 5 0 0 0 4 4 3 |  |  |  |  |  |  |  |  |  | PAGE (3)<br>1 OF 0 3 |  |  |  |  |  |  |  |  |  |
|---------------------------------------|--|--|--|--|--|--|--|--|--|--------------------------------------|--|--|--|--|--|--|--|--|--|----------------------|--|--|--|--|--|--|--|--|--|

TITLE (4)

## Non-compliance With Technical Specification Action Requirements

| EVENT DATE (5)            |     |      | LER NUMBER (6)  |                   |                 | REPORT DATE (7) |     |      | OTHER FACILITIES INVOLVED (8) |   |   |  |   |   |                  |   |   |   |   |   |   |   |   |  |  |  |  |  |  |
|---------------------------|-----|------|---|-------------------|-----------------|-----------------|-----|------|-------------------------------|---|---|--|---|---|------------------|---|---|---|---|---|---|---|---|--|--|--|--|--|--|
| MONTH                     | DAY | YEAR | YEAR  | SEQUENTIAL NUMBER | REVISION NUMBER | MONTH           | DAY | YEAR | FACILITY NAMES                |   |   |  |   |   | DOCKET NUMBER(S) |   |   |   |   |   |   |   |   |  |  |  |  |  |  |
| 0                         | 1   | 2    | 9   | 9                 | 2               | 9               | 2   | 0    | 0                             | 1 | 0 | 0  | 0 | 2 | 2                | 8 | 9 | 2 | 0 | 5 | 0 | 0 | 0 |  |  |  |  |  |  |
| OPERATING MODE (9)<br>1   |     |      | THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11) |                   |                 |                 |     |      |                               |   |   |  |   |   |                  |   |   |   |   |   |   |   |   |  |  |  |  |  |  |
| POWER LEVEL (10)<br>11010 |     |      | 20.402(b)   |                   |                 | 20.406(c)       |     |      | 50.73(a)(2)(iv)               |   |   | 73.71(b)   |   |   |                  |   |   |   |   |   |   |   |   |  |  |  |  |  |  |
|                           |     |      | 20.406(a)(1)(i)   |                   |                 | 50.36(a)(1)     |     |      | 50.73(a)(2)(iv)               |   |   | 73.71(a)   |   |   |                  |   |   |   |   |   |   |   |   |  |  |  |  |  |  |
|                           |     |      | 20.406(a)(1)(ii)  |                   |                 | 50.36(a)(2)     |     |      | 50.73(a)(2)(vii)              |   |   | OTHER (Specify in Abstract below and in Text, NRC Form 366A) |   |   |                  |   |   |   |   |   |   |   |   |  |  |  |  |  |  |
|                           |     |      | 20.406(a)(1)(iii)   |                   |                 | 50.73(a)(2)(i)  |     |      | 50.73(a)(2)(viii)(A)          |   |   |  |   |   |                  |   |   |   |   |   |   |   |   |  |  |  |  |  |  |
|                           |     |      | 20.406(a)(1)(iv)  |                   |                 | 50.73(a)(2)(ii) |     |      | 50.73(a)(2)(viii)(B)          |   |   |  |   |   |                  |   |   |   |   |   |   |   |   |  |  |  |  |  |  |
| 20.406(a)(1)(v)           |     |      | 50.73(a)(2)(iii)  |                   |                 | 50.73(a)(2)(ix) |     |      |                               |   |   |  |   |   |                  |   |   |   |   |   |   |   |   |  |  |  |  |  |  |

LICENSEE CONTACT FOR THIS LER (12)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| NAME<br>A. L. Legendre Jr. Lead Engineer - Compliance - extension 2373 |  |  |  |  |  |  |  |  |  | TELEPHONE NUMBER<br>AREA CODE<br>6 0 3 4 7 4 - 9 5 2 1 |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

| CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO NRC | CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO NRC |
|-------|--------|-----------|--------------|-------------------|-------|--------|-----------|--------------|-------------------|
|       |        |           |              |                   |       |        |           |              |                   |
|       |        |           |              |                   |       |        |           |              |                   |
|       |        |           |              |                   |       |        |           |              |                   |

SUPPLEMENTAL REPORT EXPECTED (14)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |       |     |      |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------------------------|--|--|-------|-----|------|
| <input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE) |  |  |  |  |  |  |  |  |  | <input checked="" type="checkbox"/> NO |  |  |  |  |  |  |  |  |  | EXPECTED SUBMISSION DATE (15) |  |  | MONTH | DAY | YEAR |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------------------------|--|--|-------|-----|------|

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On January 29, 1992 at 0505 it was discovered that an auxiliary sample pump being used to satisfy the requirements of Technical Specification 3.3.3.10 ACTION 35 was not operating as indicated by a lack of sample flow.

Seabrook Station Technical Specifications require that the Iodine and Particulate Samplers for the Plant Wide Range Gas Monitor (WRGM) [IL] be OPERABLE at all times. On January 28, 1992 the WRGM was taken out of service and auxiliary sampling equipment placed in service to meet the continuous sampling requirement of Technical Specification 3.3.3.10 ACTION 35.

At 0505 on January 29, 1992 a Chemistry Technician discovered that there was no sample flow indicated for the auxiliary sample pump. At 0520 the technician returned to the area with a replacement auxiliary sample pump but found that flow was indicated on the existing auxiliary sample pump. Auxiliary sample pump operation was verified to be satisfactory later the same day at 0822. At 0903 a new auxiliary sample pump was installed.

The root cause of this event has been determined to be equipment failure. A loose connection on an auxiliary sample pump motor cooling fan caused the pump to overheat and trip out.

There were no adverse safety consequences as a result of this event. Corrective actions included repairing the auxiliary pump and initiating a procedure change to examine other auxiliary sample pumps for loose connections when the auxiliary sample pumps are calibrated.

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO 3150-0104

EXPIRES 8/31/90

|   |                                     |                |                   |                 |          |    |   |
|---|-------------------------------------|----------------|-------------------|-----------------|----------|----|---|
| FACILITY NAME (1)<br><br>SEABROOK STATION | DOCKET NUMBER (2)<br><br>0500044392 | LER NUMBER (6) |                   |                 | PAGE (3) |    |   |
|   |                                     | YEAR           | SEQUENTIAL NUMBER | REVISION NUMBER |          |    |   |
|   |                                     | 92             | 001               | 00              | 02       | OF | 3 |

TEXT (If more space is required, use additional NRC Form 366A v. (17))

On January 29, 1992 it was discovered that an auxiliary sample pump being used to satisfy the requirements Technical Specification 3.3.3.10 ACTION 35 was not operating as indicated by a lack of sample flow. During the period that the auxiliary sample pump was not operating the requirements of Technical Specification 3.3.3.10 ACTION 35 were not met, and, therefore, NHY is reporting this event as a violation of Technical Specifications pursuant to 10CFR 50.73(a)(2)(i).

Seabrook Station Technical Specification 3.3.3.10, "Radioactive Gaseous Effluent Monitoring System" requires that the radioactive gaseous effluent monitoring instrumentation channels shown in Table 3.3-13 be OPERABLE with alarm/trip setpoints within the specified limits. Table 3.3-13 item 2 requires that the components of the WRGM be OPERABLE at all times. On January 28, 1992 the WRGM was removed from service to investigate a spiking problem on the noble gas activity monitor. Auxiliary equipment was placed in service to satisfy the requirements of ACTION 35 which requires auxiliary equipment to be placed in service to provide continuous samples.

On January 29, 1992 at 0505 a Chemistry Technician discovered that the auxiliary sample pump was not running as indicated by a lack of sample flow. At 0520 the same technician returned to the area with a replacement auxiliary sample pump but found that there was sample flow indicated on the existing installed pump. The auxiliary sample pump was checked again at 0822 and sample flow was indicated. At the time of the event the WRGM, including its normal iodine and particulate sampling pump, was running but had not been declared OPERABLE.

At 0903 the auxiliary sample pump was replaced. Subsequent troubleshooting revealed that the electrical connection for the auxiliary sample pump cooling fan was loose and that the cooling fan was not operating. This resulted in the auxiliary sample pump periodically tripping out on high temperature. When the thermal overloads reset, the auxiliary sample pump would restart and run until it again tripped out on high temperature.

#### ROOT CAUSE

The root cause of this event is attributed to equipment failure. The loose connection on the auxiliary sample pump motor cooling fan caused the auxiliary sample pump to overheat and trip out.

#### CORRECTIVE ACTION

The loose cooling fan connection was corrected and the auxiliary sample pump readied for future use. A procedure change will be submitted to check for cooling fan operation during the periodic calibration of the auxiliary sample pump. This procedure change is expected to be completed by February 28, 1992.

#### SAFETY CONSEQUENCES

There were no adverse safety consequences as a result of this event. The WRGM does not perform any safety functions and the event did not interfere or inhibit any safety related equipment from performing its function.

The WRGM was running, including its normal iodine and particulate sampling pump but had not been declared OPERABLE at the time that the auxiliary sample pump was discovered to be off. A review of the WRGM database indicated that there were no abnormal radiological conditions during the event.

New Hampshire Yankee has reviewed the event and determined that an unreviewed safety question did not exist.

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/99

|   |  |                |                      |                    |          |        |
|---|--|----------------|----------------------|--------------------|----------|--------|
| FACILITY NAME (1)<br><br>SEABROOK STATION | DOCKET NUMBER (2)<br><br>0 5 0 0 0 4 4 3 | LER NUMBER (6) |                      |                    | PAGE (3) |        |
|   |  | YEAR           | SEQUENTIAL<br>NUMBER | REVISION<br>NUMBER |          |        |
|   |  | 9 2            | 0 0 1                | 0 0                | 0 3      | OF 0 3 |

TEXT (If more space is required, use additional NRC Form 365A's) (17)

PLANT CONDITIONS

At the time of the event the plant was in MODE 1, Power Operation, at 100% power, with an RCS temperature of 587 degrees Fahrenheit and pressure of 2235 psig.

PREVIOUS OCCURRENCES

A similar event of this type involving the WRGM auxiliary sample pump was reported in Seabrook Station LER 90-002.