

NRC FORM 366
(12-81)
10 CFR 50U.S. NUCLEAR REGULATORY COMMISSION
LICENSEE EVENT REPORTAPPROVED BY OMB
3150-0011CONTROL BLOCK: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)01 | A | L | B | R | F | 1 | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | d | - | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | 5
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33

CONT

01 | L | 6 | 0 | 5 | 0 | 0 | 0 | 2 | 5 | 9 | 7 | 0 | 8 | 2 | 3 | 8 | 2 | 8 | 0 | 4 | 2 | 0 | 8 | 4 | 9
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 | During normal operation while performing SI 4.11.A.1.g (Building Hydraulic
03 | Performance Verification), it was determined that unit 1, Station II cable
04 | tray fixed spray system did not meet technical specification requirements as
05 | shown in Table 3.11.A. Station was retested within following 18-months
06 | (January 1984), and failed again. There was no effect on public health and
07 | safety. A firewatch was established per T.S. 3.11.A.2. There are no
08 | redundant systems.

09 | A | B | 11 | X | 12 | Z | 13 | F | I | L | T | E | R | 14 | Z | 15 | Z | 16
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33

17 | LER/RO | EVENT YEAR | SEQUENTIAL | OCCURRENCE | REPORT | REVISION
REPORT | 8 | 2 | 0 | 6 | 4 | 0 | 3 | X | 1
NUMBER | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32

ACTION | FUTURE | EFFECT | SHUTDOWN | HOURS | ATTACHMENT | NPRD-4 | PRIME COMP. | COMPONENT
TAKEN | ACTION | ON PLANT | METHOD | 22 | SUBMITTED | FORM SUB. | SUPPLIER | MANUFACTURER
X | 18 | X | 19 | Z | 20 | Z | 21 | 0 | 0 | 0 | 0 | Y | 23 | N | 24 | L | 25 | F | 1 | 3 | 5
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 | Cause in each case was apparent restriction in supply line strainer (Fisher
11 | Governor Fre-Flo 260C) due to buildup of silt and clam shells. Strainer was
12 | cleaned, flushed and satisfactorily retested. Strainers are routinely
13 | inspected and cleaned, and no problems have been detected. Station II
14 | strainer will be removed and cleaned every month.

15 | E | 28 | 0 | 9 | 6 | 29 | NA | 30 | B | 31 | Surveillance Test | 32
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33

16 | Z | 33 | Z | 34 | NA | 35 | NA | 36
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33

17 | 0 | 0 | 0 | 37 | Z | 38 | NA | 39
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33

18 | 0 | 0 | 0 | 40 | NA | 41
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33

19 | Z | 42 | NA | 43
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33

20 | N | 44 | NA | 45
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33

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PDR ADOCK 05000259
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NRC USE ONLY

LER SUPPLEMENTAL INFORMATION

BFRO-50- 259 / 82064R1 Technical Specification Involved 3.11.A.9

Reported Under Technical Specification 6.7.2.b(2) * Date Due NRC 4/21/84

Event Narrative:

Unit 2 was in a refueling outage; unit 3 was operating at 95-percent power. Units 2 and 3 were unaffected by this event. With unit 1 operating at 96-percent power, during the performance of Surveillance Instruction (SI) 4.11.A.1.g (Building Hydraulic Performance Verification), it was determined the Station II cable tray fixed spray system did not meet Technical Specification (T.S.) requirements as shown in Table 3.11.A. There was no effect on public health and safety. A patrolling fire watch was established in accordance with T.S. 3.11.A.2. There are no redundant systems.

The strainer (Fisher Governor Co., Fre-Flo 260C) to this station was removed, cleaned, flushed, and the station retested and found to meet T.S. requirements. The cause was an apparent restriction in the supply line strainer due to a buildup of silt and clam shells. This station was retested within the following 18-months (T.S. frequency is once/3 years) in order to determine if any further changes in performance had occurred.

When retested (January 27, 1984), the unit 1 Station II cable tray fixed spray system again failed to meet T.S. requirements. There was no effect on public health and safety. A fire watch was established and the strainer to this station was again removed, cleaned, and flushed. The station was retested and was found to meet T.S. limits. The station was out-of-service approximately six hours. The strainers on this system are routinely back-flushed every month and removed, checked, and cleaned once every three months per Mechanical Maintenance Instruction 122 (High Pressure Fire Protection System Flush, Strainer Inspection, and Strainer Cleaning). No specific problems have been detected based on the inspections. The flow problem identified by surveillance testing appears to affect only Station II.

In addition to the routine strainer inspections, Station II will have its strainer removed, checked, and cleaned every month. At the next scheduled performance of SI 4.11.A.1.g (June 1985), the effect of tripling the preventive maintenance frequency will be investigated.

* Previous Similar Events:

Retention: Period - Lifetime; Responsibility - Document Control Supervisor

*Revision: JRP

TENNESSEE VALLEY AUTHORITY

Browns Ferry Nuclear Plant

P. O. Box 2000

Decatur, Alabama 35602

April 20, 1984

0 4:05

Mr. James P. O'Reilly, Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

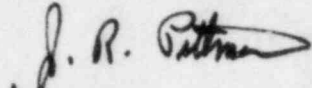
Dear Mr. O'Reilly:

TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT UNIT 1 - DOCKET
NO. 50-259 - FACILITY OPERATING LICENSE DPR-33 - REPORTABLE OCCURRENCE
REPORT BFRO-50-259/82064 R1

The enclosed report provides followup information concerning unit 1,
station II cable tray fixed spray system. This report is submitted in
accordance with Browns Ferry Unit 1 Technical Specification 6.7.2.b.(2).

Very truly yours,

TENNESSEE VALLEY AUTHORITY


G. T. Jones

Power Plant Superintendent
Browns Ferry Nuclear Plant

Enclosure

cc (Enclosure):

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington D.C. 20555

NRC Inspector, Browns Ferry Nuclear Plant