NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

CONTROL BLOCK: [| | | | |] (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

Line	Field	Entry
0 1	LICENSEE CODE (2)	N Y J A F 1
	LICENSE NUMBER (3)	0 0 - 0 0 0 0 0 - 0 0 0
	LICENSE TYPE (4)	4 1 1 1 1
	CAT (5)	
CON'T 0 1	REPORT SOURCE (6)	L
	DOCKET NUMBER (7)	0 5 0 0 0 3 3 3
	EVENT DATE (8)	0 8 1 9 8 3
	REPORT DATE (9)	0 9 0 2 8 3

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 During a special inspection of the main steam line pipe supports and constraints out-

0 3 board of the containment MSIV's, it was noted that the support frame above trunnion

0 4 H29-351 was bent. This event is being reported under TS 6.9A4.2d. The damage was

0 5 minor and resulted in additional clearance which would have allowed greater pipe

0 6 movement. The occurrence is not a condition that could have caused a threat to the

0 7 health and safety of the general public.

0 8

Field	Entry
SYSTEM CODE (11)	H B
CAUSE CODE (12)	B
CAUSE SUBCODE (13)	B
COMPONENT CODE (14)	P I P E X X
COMP. SUBCODE (15)	E
VALVE SUBCODE (16)	
LER/RO REPORT NUMBER (17) – EVENT YEAR	8 3
SEQUENTIAL REPORT NO.	0 2 6
OCCURRENCE CODE	0 3
REPORT TYPE	L
REVISION NO.	0
ACTION TAKEN (18)	F
FUTURE ACTION (19)	Z
EFFECT ON PLANT (20)	Z
SHUTDOWN METHOD (21)	Z
HOURS (22)	0 0 0 0
ATTACHMENT SUBMITTED (23)	
NPRD-4 FORM SUB. (24)	Y
PRIME COMP. SUPPLIER (25)	A
COMPONENT MANUFACTURER (26)	Z 9 9 9

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 This trunnion and other similar trunnion and associated support steel were reanalyzed

1 1 by the plants architect engineer. Results are reported in an enclosure. To avoid

1 2 a costly and time consuming reanalysis of the support embedment, two additional

1 3 supports were installed to carry the loads previously carried by the wall embedments.

1 4 CONTINUED ON ATTACHED SHEET.

Line	Field	Entry
1 5	FACILITY STATUS (28)	H
	% POWER (29)	0 0 0
	OTHER STATUS (30)	
	METHOD OF DISCOVERY (31)	C
	DISCOVERY DESCRIPTION (32)	observation by plant personnel
1 6	ACTIVITY RELEASED (33)	Z
	CONTENT OF RELEASE (34)	Z
	AMOUNT OF ACTIVITY (35)	NA
	LOCATION OF RELEASE (36)	NA
1 7	PERSONNEL EXPOSURES – NUMBER (37)	0 0 0
	TYPE (38)	Z
	DESCRIPTION (39)	NA
1 8	PERSONNEL INJURIES – NUMBER (40)	0 0 0
	DESCRIPTION (41)	NA
1 9	LOSS OF OR DAMAGE TO FACILITY (43) – TYPE (42)	Z
	DESCRIPTION	NA
2 0	PUBLICITY – ISSUED (44)	N
	DESCRIPTION (45)	NA
	NRC USE ONLY	

IE22 1/1

NAME OF PREPARER ROBERT BAKER PHONE:

The plants architect engineer investigated the situation and reanalyzed this specific trunnion and similar trunnions on other steam lines and associated supporting steel. This analysis indicated the following:

a) The original design clearance between the trunnion and supporting steel was insufficient to allow for thermal growth. Recent visual inspection indicates that the currently existing clearance is satisfactory.

b) The minor bending in the flange of the supporting beam appears to have resulted because the beam was installed slightly rotated. This condition had originally been evaluated as satisfactory as the result of an observation mode in 1979.

The supports and structural steel excluding the embedments were fully reanalyzed and found to meet all code requirements. To save time and expense, it was decided to forego the time consuming and costly reanalysis of embedments and to install two additional structural members to carry the loads previously carried by the wall embedments. This installation was completed on September 1, 1983.

COPY

Copy to:
JPBayne - NYPA
RBurns - NYPA
LGuaquil - NYPA
CMcNeill - NYPA Site
VWalz - NYPA Site

EJSiskin
PDunlop
HFFaery
DJCirrone
KYChu
Central Job Book
Task 08 Job Book (08325)

TELECOPIED
TO: C. McNeill
FROM: D.J. Cirrone
DATE: 9/1/83
PAGE: 1 of 2
TIME: 3:05

Mr. J. P. Bayne
Executive Vice President
New York Power Authority
123 Main Street
White Plains, NY 10601
Attn: Mr. L. Guaquil

August 31, 1983

J.O. No. 12966.08
PAS-26008

MAIN STEAM LINE SUPPORTS
JAMES A. FITZPATRICK NUCLEAR POWER PLANT

NYPA letter JPS-83-29, dated July 6, 1983, forwarded a letter from Target Technology, Ltd. (TTL) dated June 30, 1983 which raises a number of questions concerning the adequacy of piping and pipe support analyses for J.A. FitzPatrick Nuclear Power Plant. Stone & Webster's reply to NYPA's letter will be forwarded by separate correspondence.

One specific question which has arisen as a result of NYPA's and Stone & Webster's evaluation of the questions raised by TTL concerns a minor deformation noted in the support frame above trunnion H29-351. Stone & Webster's analyses of the specific trunnion, similar trunnions on other main steam lines and the associated supporting steel have indicated the following:

a) The upper gap between the trunnion and the supporting steel as shown in the original Bergen-Paterson drawing was insufficient to allow for thermal growth. To permit satisfactory thermal expansion the sum of the upper and lower gaps should be at least ¼ inch. The gaps that exist today, as confirmed by a recent inspection, are technically satisfactory.

b) The minor bending in the flange of the support beam appears to have resulted because that beam was installed slightly rotated. Therefore, any upward force due to thermal growth or turbine trip loads would be sufficient to bend the outer edge of the flange as was observed. As was reviewed with NYPA and TTL in July 1979, this minor distortion does not degrade the capability of the structural support to function properly.

TELECOPIED
TO: C. A. McNeill
From: D. J. Cirrone
3:50pm 9-1-83

c) The supports and structural steel excluding the embedments were fully reanalyzed and found to meet all code requirements. To save time and expense, it was decided to forego the time consuming costly reanalyses of embedments and to recommend that two additional structural members be added to carry the loads previously carried by the wall embedments. The suggested design modification to accomplish this was forwarded to NYPA with SWEC letter PAS-26001, dated August 17, 1983. Please note that NYPA should require as-built verification after installation of the support modifications. The supporting calculations are lengthy and will be maintained on file at Stone & Webster. Copies will be forwarded upon request.

If you have any questions concerning the above, please contact us.

D J Cirrone

D. J. Cirrone
Project Engineer

RJS/KYC:pcw

TELECOPIED
TO: C. McNeill
FROM: D. J. Cirrone
DATE: 9/1/83
PAGE: 2 of 2
TIME: 3:05 p.m.

P.O. Box 41
Lycoming, New York 13093
315 342.3840

New York Power Authority

JAFP 83-0921
September 7, 1983

Dr. Thomas E. Murley
Regional Administrator
United States Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, Pennsylvania 19406

SUBJECT: DOCKET NO. 50-333
LICENSEE EVENT REPORT: 83-026

Dear Dr. Murley:

We have enclosed the subject Licensee Event Report in accordance with Section 6.0 of Technical Specifications and USNRC Regulatory Guide 1.16.

If there are any questions concerning this report, please contact Mr. Robert Baker at (315) 342-3840, extension 261.

Very truly yours,

CORBIN A. McNEILL, JR.
RESIDENT MANAGER

CAM:RB:ls
ENCLOSURE

CC; USNRC Document Control Desk (1)
INPO Records Center, Atlanta, Georgia (1)
Internal Power Authority Distribution
NRC Resident Inspector
Document Control Center
LER/OR File

IE22