

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) JAMES A. FITZPATRICK NUCLEAR POWER PLANT															DOCKET NUMBER (2) 0 5 0 0 0 3 3 3					PAGE (3) 1 OF 0 2		
TITLE (4) INOPERABLE SNUBBERS FOUND AS A RESULT OF FUNCTIONAL TESTING																						
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)								
05	06	85	85	01		00	05	17	85					0 5 0 0 0								
												0 5 0 0 0										
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)																				
N		20.402(b)				20.406(e)				50.73(a)(2)(iv)				73.71(b)								
POWER LEVEL (10)		20.406(a)(1)(i)				50.36(e)(1)				50.73(a)(2)(v)				73.71(e)								
0 10 10		20.406(a)(1)(ii)				50.36(e)(2)				X 50.73(a)(2)(vii)				OTHER (Specify in Abstract below and in Text, NRC Form 356A)								
		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)(x)												
LICENSEE CONTACT FOR THIS LER (12)																						
NAME										TELEPHONE NUMBER												
ROBERT T. LISENO, MAINTENANCE SUPERINTENDENT										3 1 5 3 4 2 - 3 8 4 0												
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																						
CAUSE	SYSTEM	COMPONENT	MANUFAC-TURER	REPORTABLE TO NPROS		CAUSE	SYSTEM	COMPONENT	MANUFAC-TURER	REPORTABLE TO NPROS												
X	A A	S N B 	B 2 0 9	Y		X	B M	S N B 	B 2 0 9	Y												
X	A D	S N B 	G 2 5 7	Y		X	B O	S N B 	B 2 0 9	Y												
SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR								
YES (If yes, complete EXPECTED SUBMISSION DATE)										X NO												

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

During the 1985 refuel outage, functional testing of hydraulic snubbers was performed as required by Technical Specification 4.6.1.3. Nine snubbers were found with lockup and bleed rates outside the acceptance range and were determined to be inoperable.

All inoperable snubbers were overhauled, to be later used as spares. Rebuilt and functionally tested spare units were installed in place of the failed units. All remaining hydraulic snubbers were functionally tested per Technical Specification Section 4.6.I.3, with satisfactory results.

The failed snubbers were designed for a low probability seismic event which did not occur. Therefore, this event did not represent a serious degradation of the public's health and safety.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

FACILITY NAME (1) JAMES A. FITZPATRICK NUCLEAR POWER PLANT	DOCKET NUMBER (2) 0 5 0 0 0 3 3 3	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 5	- 0 1 1	- 0 0	0 2	OF	0 2

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

During the 1985 scheduled refuel outage, functional testing of hydraulic snubbers was performed as required by Technical Specification Section 4.6.I.3. Nine snubbers were determined to be functionally inoperable due to lockup and bleed rates outside the test procedure acceptance range.

<u>Snubber #</u>	<u>Manufacturer</u>	<u>Cause of Failure</u>	<u>System</u>
02-2-14-S-18/SSB4	Grinnell	Air entrapped/Lenz fitting in-leakage	AD
03-NE-S-11	Bergen-Paterson	Bleed rate set low	AA
03-SW-S-13	Bergen-Paterson	Lockup set low	AA
10-43-S-225/H10-377	Bergen-Paterson	Displaced poppet spring	BO
10-43-S-227/PFSK-776	Bergen-Paterson	Displaced poppet spring	BO
10-10A-S-44/H10-458	Bergen-Paterson	Displaced poppet spring	BO
10-11B-S-89/PFSK-980	Bergen-Paterson	Lockup set low	BO
10-14A-S-242/PFSK-761	Bergen-Paterson	Lockup set low	BO
14-5A-S-23/PFSK-793	Bergen-Paterson	Lockup set low	BM

The failed snubbers were overhauled with particular attention being paid to finding the cause of unit failure. Five units were found to have improper lockup and bleed rate settings. A review of previous test and rebuild data indicates these units were set at the low end of the acceptance range during the last rebuild. Replacement valve body assemblies were installed in these units to bring lockup and bleed rates well within the acceptance ranges.

One Grinnell snubber was found to have air entrapped in the valve body due to a scored cylinder to valve body tube at the Lenz fitting. This snubber was an obsolete design. Therefore, it was scrapped and a new style Grinnell snubber was installed in its place.

Three Bergen-Paterson snubbers were found with a poppet spring lodged between the valve poppet and valve body. These snubbers were rebuilt with a modified valve assembly consisting of hardened valve body and poppets, longer compression stops and connector tubes, and a larger spring seat area. The modified valve assembly is designed to reduce the possibility of snubber failures of this kind. The spare snubbers installed in place of the three failed snubbers all were of the modified valve assembly design.

Since nine functional failures were encountered, Technical Specification Section 4.6.I.3 require 100% of hydraulic snubbers be functional tested. All remaining hydraulic snubbers were tested with satisfactory results.

The failed snubbers were designed for a low probability seismic event which did not occur. Therefore, this event did not present a serious degradation of the public's health and safety.

James A. FitzPatrick
Nuclear Power Plant
P.O. Box 41
Lycoming, New York 13093
315 342 3840

Harold A. Glovier
Resident Manager



May 17, 1985
JAFF 85-0451

United States Regulatory Commission
Document Control Desk
Washington, D.C. 20555

REFERENCE: DOCKET NO. 50-333
LICENSEE EVENT REPORT: 85-011-00

Dear Sir:

We have enclosed the referenced Licensee Event Report in accordance with 10CFR50.73.

If there are any questions concerning this report, please contact Mr. Robert Liseno at 315-342-3840, extension 220.

Very truly yours,

A handwritten signature in dark ink, appearing to read 'HAG', written over the typed name 'HAROLD A. GLOVIER'.

HAROLD A. GLOVIER

HAG:RTL:nan

CC: USNRC, Region I (1)
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LER/OR File

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