

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
JAMES A. FITZPATRICK NUCLEAR POWER PLANTDOCKET NUMBER (2)
0 5 0 0 0 3 3 3 1 OF 0 2

TITLE (4)

MAIN STEAM SAFETY/RELIEF VALVES FOUND OUT OF TOLERANCE DURING 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)				
0	4	1	8	8	5	8	5	0	1	3	0	5	0	0	0
0	4	1	8	8	5	8	5	0	1	3	0	5	0	0	0

OPERATING MODE (9)	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)																								
N	<table border="1"><thead><tr><th>20.402(b)</th><th>20.406(a)</th><th>50.73(a)(2)(iv)</th><th>73.71(b)</th></tr></thead><tbody><tr><td>20.406(a)(1)(i)</td><td>50.36(e)(1)</td><td>50.73(a)(2)(v)</td><td>73.71(e)</td></tr><tr><td>20.406(a)(1)(ii)</td><td>50.36(e)(2)</td><td>X 50.73(a)(2)(vii)</td><td>OTHER (Specify in Abstract below and in Text, NRC Form 366A)</td></tr><tr><td>20.406(a)(1)(iii)</td><td>X 50.73(a)(2)(i)</td><td>50.73(a)(2)(viii)(A)</td><td></td></tr><tr><td>20.406(a)(1)(iv)</td><td>50.73(a)(2)(ii)</td><td>50.73(a)(2)(viii)(B)</td><td></td></tr><tr><td>20.406(a)(1)(v)</td><td>50.73(a)(2)(iii)</td><td>50.73(a)(2)(ix)</td><td></td></tr></tbody></table>	20.402(b)	20.406(a)	50.73(a)(2)(iv)	73.71(b)	20.406(a)(1)(i)	50.36(e)(1)	50.73(a)(2)(v)	73.71(e)	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 366A)	20.406(a)(1)(iii)	X 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)	
20.402(b)	20.406(a)	50.73(a)(2)(iv)	73.71(b)																						
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20.406(a)(1)(iii)	X 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: ROBERT T. LIENO, MAINTENANCE SUPERINTENDENT
TELEPHONE NUMBER: 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 NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFAC- TURER	REPORTABLE TO NPRDS	
X	AID	RIV	T	Q 2 1 0	Y					

SUPPLEMENTAL REPORT EXPECTED (14)
YES (If yes, complete EXPECTED SUBMISSION DATE) ☐ NO ☒ X
EXPECTED SUBMISSION DATE (15)
MONTH: DAY: YEAR:

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

During a maintenance outage in October, 1984 two (2) Target Rock safety/relief pilot valves were removed from service due to pilot seat leakage. They were replaced with spare pilot assemblies.

In March 1985, these two pilots were sent to Wyle Laboratories, with our normal outage shipment, for testing and overhaul. Both pilots were found to have setpoints outside the allowable tolerances per Technical Specification 2.2.B and 4.6.E.1.

Since manual and ADS functions are not affected by setpoint drift, this event did not represent a serious degradation of the public's health and safety.

Both pilots will be overhauled and tested to the latest design criteria prior to installation.

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PDR ADDCK 05000333
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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 8 5 — 0 1 3 — 0 0 0 2 OF 0 2	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			

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

In October, 1984, two (2) Target Rock safety/relief valve pilots were removed from service due to pilot seat leakage and replaced with spare pilot assemblies.

In March of 1985, these pilots were sent to Wyle Laboratories for testing and overhaul. Both pilots were found to have setpoints outside the allowable tolerance of $\pm 1\%$. The as-found test data are as follows:

Test	Valve #1050	Valve #1052
1	+1.5%	+5.9%
2	+2.3%	0%
3	+2.1%	0%
4	1.3%	-1.5%

Values listed are percentages of setpoint variation.

The remote actuation and ADS functions of these valves are not affected by setpoint drift. If a pressure transient were to occur, in all probability, all valves would open. If pressure continued to increase due to failure of one or more valves not automatically opening, the valves could be remotely opened from the Control Room.

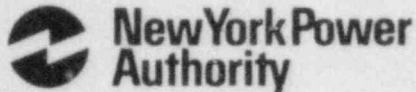
Possible causes of this event are inadequate clearances in the labyrinth seal area and pilot seat leakage. Target Rock Corporation is paying particular attention to labyrinth seal clearance during overhaul. Also, pilot seat leakage could be caused by testing without steam pressure. We are currently investigating possible changes to our test procedures to prevent cycling pilot valves without steam pressure.

Both pilots will be overhauled by Target Rock Corporation to the latest design and overhaul procedures.

There was not a significant increase in risk to the health and safety of the public due to this event.

James A. FitzPatrick
Nuclear Power Plant
P.O. Box 41
Lycoming, New York 13093
315 342.3840

Harold A. Glovier
Resident Manager



May 16, 1985
JAFP 85-0448

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

REFERENCE: DOCKET NO. 50-333
LICENSEE EVENT REPORT: 85-013-00

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 'H. Glovier', written over the typed name.

HAROLD A. GLOVIER

HAG:FFL:nan

CC: USNRC, Region I (1)
INPO Records Center, Atlanta, Ga. (1)
American Nuclear Insurers (1)
Internal Power Authority Distribution
NRC Resident Inspector
Document Control Center
LER/OR File

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