

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)
REACTOR TRIP DUE TO LOW WATER LEVEL

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	3	2	8	4	8	4	0	1	0	6	0	0	5	0	0	0
0	3	2	8	4	0	1	0	0	0	1	0	0	5	0	0	0

OPERATING MODE (9) N	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)				
POWER LEVEL (10) 01215	<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.406(a)(1)(i)	<input type="checkbox"/> 20.406(a)(1)(ii)	<input type="checkbox"/> 20.406(a)(1)(iii)	<input type="checkbox"/> 20.406(a)(1)(iv)
	<input type="checkbox"/> 20.406(a)(1)(v)	<input type="checkbox"/> 20.406(a)(1)(vi)	<input checked="" type="checkbox"/> 20.406(a)(1)(vii)	<input type="checkbox"/> 20.406(a)(1)(viii)	<input type="checkbox"/> 20.406(a)(1)(ix)
	<input type="checkbox"/> 20.406(a)(1)(x)	<input type="checkbox"/> 20.406(a)(1)(xi)	<input type="checkbox"/> 20.406(a)(1)(xii)	<input type="checkbox"/> 20.406(a)(1)(xiii)	<input type="checkbox"/> 20.406(a)(1)(xiv)
	<input type="checkbox"/> 20.406(a)(1)(xv)	<input type="checkbox"/> 20.406(a)(1)(xvi)	<input type="checkbox"/> 20.406(a)(1)(xvii)	<input type="checkbox"/> 20.406(a)(1)(xviii)	<input type="checkbox"/> 20.406(a)(1)(xix)
	<input type="checkbox"/> 20.406(a)(1)(xx)	<input type="checkbox"/> 20.406(a)(1)(xxi)	<input type="checkbox"/> 20.406(a)(1)(xxii)	<input type="checkbox"/> 20.406(a)(1)(xxiii)	<input type="checkbox"/> 20.406(a)(1)(xxiv)

LICENSEE CONTACT FOR THIS LER (12)

NAME ROBERT T. LIENO, MAINTENANCE SUPERINTENDENT	TELEPHONE NUMBER AREA CODE: 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	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS
A	BLIC	COND	GI2110	Y					
A	SJPI		W3118	N					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE) NO

EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR

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

While operating at 25% power during a reactor startup a scram occurred caused by low reactor vessel level. The low level was caused by the loss of the single operating reactor feed pump due to a control oil leak. HPCI and RCIC were manually initiated and used to maintain vessel level. After the need for HPCI had passed it was noted that a gasket on the gland seal condenser had developed a leak. To isolate the leak, HPCI was made inoperative. The transient proceeded normally and all systems performed as designed. No significant hazard to the public health and safety existed.

8406080245 840601
PDR ADOCK 05000333
S PDR

IER

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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 4	- 0 1 0	- 0 1	0 2	OF 0 2

TEXT (If more space is required, use additional NRC Form 368A's) (17)

While operating at 25 percent power during a plant startup the plant scrambled on low reactor water level. The low water level was caused by the loss of the single operating feedwater pump. Water decreased to below low water level scram setpoint of 177 inches above the Top of Active Fuel (TAF). The HPCI and RCIC systems were manually initiated by the operator in anticipation of continued loss of reactor water inventory. The lowest water level was 135 inches above TAF which is 11 inches above the automatic initiation setpoint of HPCI and RCIC. The primary containment isolation features designed to be actuated by low water level at 177 inches above TAF functioned as designed.

Subsequent inspection of the A reactor feed water pump revealed the high pressure line supplying control oil to the two turbine stop valves disconnected in the oil sump. This connection is referenced as an assembly of parts 36, 28, 55 and 56 on General Electric Drawing 509E155FY in GEK-31991. It was determined that this fitting was incorrectly assembled during the 1983 refueling outage and over a period of time vibrated loose. With this line disconnected the hydraulic oil in the high pressure and low pressure steam valve actuators was dumped to the oil sump resulting in a loss of control oil pressure. The loss of control oil pressure resulted in closure of the feedwater turbine stop valves. This connection was reassembled with the proper crimp on the internal ferrule and put back into operation. The reactor feed water pumps will be considered for inclusion in an expanded reliability program for balance of plant equipment.

During the transient a gasketed flange on the HPCI gland seal condenser developed a large leak (refer to LER 84-009-00 for a similar occurrence). The leak did not affect the operability of the HPCI system. When the need for HPCI had passed, HPCI was removed from service and the gasket was replaced on the gland seal condenser. The torque on flange bolts was increased in accordance with manufacturers instructions over that previously used. The metal band suggested by GE SIL-129 could not be installed since the new gasket protruded past the edge of the flange and could not be trimmed.

Since plant systems operated as designed, this transient did not represent a significant hazard to the public's health and safety.

Revision 1 of this LER is submitted to correct editorial/typographical errors and provide clarification with respect to the minimum (lowest) reactor water level observed during the transient.

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



Corbin A. McNeill, Jr.
Resident Manager

June 1, 1984
JAFP 84-0557

Document Control Desk
United States Regulatory Commission
Washington, DC 20555

REFERENCE: DOCKET NO. 50-333
LICENSEE EVENT REPORT: 34-010-01

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 black ink, appearing to read 'Cawm' with a stylized flourish at the end.

CORBIN A. McNEILL, JR.
RESIDENT MANAGER

CAM:RTL:nan
Enclosure

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

IE22
1/1