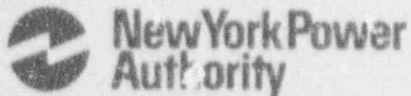


James A. FitzPatrick  
Nuclear Power Plant  
P.O. Box 41  
Lycoming, New York 13093  
315 342-3840



October 16, 1991  
JAFFP-91-0673

Radford J. Converse  
Resident Manager

United States Nuclear Regulatory Commission  
Document Control Desk  
Mail Station P1-137  
Washington, D.C. 20555

SUBJECT: DOCKET NO. 50-333  
LICENSEE EVENT REPORT: 91-018-00

Dear Sir:

This report is submitted in accordance with 10 CFR  
50.73(a)(2)(iv).

Questions concerning this report may be addressed to  
Mr. Hartford N. Keith at (315) 349-6139.

Very truly yours,

A handwritten signature in cursive script, appearing to read 'R. Converse'.

RADFORD J. CONVERSE

RJC:HNK:lar

Enclosure

cc: USNRC, Region I  
USNRC Resident Inspector  
INPO Records Center

9110280283 911016  
PDR ADOCK 05000332  
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**LICENSEE EVENT REPORT (LER)**

FACILITY NAME (1) <b>JAMES A. FITZPATRICK NUCLEAR POWER PLANT</b>										DOCKET NUMBER (3) <b>0 5 0 0 0 3 3 3</b>					PAGE (1) <b>1 OF 0 3</b>	
TITLE (4) <b>Primary containment vent and purge valves isolated by spurious high signal trip from containment high range radiation monitor</b>																
EVENT DATE (8)			LER NUMBER (6)				REPORT DATE (7)			OTHER FACILITIES INVOLVED (6)						
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES				DOCKET NUMBER (5)			
0 9	1 7	9 1	9 1	0 1	8	0 0	1 0	1 6					0 5 0 0 0			
OPERATIVE MODE (9)			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)													
POWER LEVEL (10) <b>1 0 0</b>			20.402(a)			20.405(a)			20.734(a)(2)(iv)			20.716(a)				
			20.405(a)(1)(i)			20.36(a)(1)			20.734(a)(2)(v)			20.716(a)				
			20.405(a)(1)(ii)			20.36(a)(2)			20.734(a)(2)(vi)			OTHER (Specify in Abstract below and in Text, NRC Form 305A)				
			20.405(a)(1)(iii)			20.734(a)(2)(i)			20.734(a)(2)(vii)(A)							
			20.405(a)(1)(iv)			20.734(a)(2)(ii)			20.734(a)(2)(viii)							
20.405(a)(1)(v)			20.734(a)(2)(iii)			20.734(a)(2)(ix)										
20.405(a)(1)(vi)			20.734(a)(2)(iv)			20.734(a)(2)(x)										
LICENSEE CONTACT FOR THIS LER (12) <b>Mr. Hartford N. Keith</b>																
NAME										TELEPHONE NUMBER						
										AREA CODE <b>3 1 5</b>						
										<b>3 4 9 - 6 1 3 9</b>						
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC							
SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)						
YES (If yes, complete EXPECTED SUBMISSION DATE)										MONTH DAY YEAR						
<input checked="" type="checkbox"/> NO																
ABSTRACT (Check all that apply: (A) accident, (B) fire, (C) explosion, (D) equipment failure, (E) human error, (F) lightning, (G) sabotage, (H) seismicity, (I) terrorism, (J) unknown cause, (K) other) (16)																

EEIS Codes are in [ ]

A spurious primary containment high radiation monitor [JM] isolation signal occurred at 0920 on 9/17/91 while the plant was operating at full power. The primary containment vent and purge valves which are activated by this signal were already in the closed position. The logic circuitry was reset immediately. Redundant instrumentation confirmed that containment radiation levels were normal. The signal which generated the activation of the monitor trip was of a transient nature and could not be traced to a cause. During the 1992 Refueling Outage instrument panels containing the primary containment high range radiation monitors will be inspected and evaluated to determine if improvements are possible for reduction of random transient or spurious electric noise which can cause isolation signals.

Related LERs: 90-028 and 91-001

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED  
EXPIRY

#150-0104

FACILITY NAME (1)

JAMES A. FITZPATRICK  
NUCLEAR POWER PLANT

DOCKET NUMBER (2)

05000333

LER NUMBER (6)

YEAR

SEQUENTIAL  
NUMBER

ABR

91

018

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PAGE (3)

02

OF 03

TEXT (If more space is required, use additional NRC Form 386A's) (17)

EIS Codes are in []

Description

The plant was operating at full power on September 17, 1991. At 0920 an upscale deflection of primary containment high range radiation monitor A [JM] tripped the primary containment vent and purge valves isolation logic. The valves were already closed due to normal operation line-up; therefore, no action occurred beyond the actuation of the logic circuitry. Primary containment high range monitor A isolation logic was immediately reset and a work request initiated for the Instrument and Controls Department to investigate the cause of the momentary actuation.

Cause

Cause of the event has not been determined. The Instrument and Controls Department conducted monitor functional tests and cable connection integrity checks and found no failures. No abnormal operation of station equipment preceding or during the event occurred. No repeat of event has occurred since the initial occurrence on September 17, 1991; therefore, the event is thought to be random (Cause Code X) and difficult to trace to a cause.

Analysis

The activation of the primary containment vent and purge valves isolation logic is reportable under provisions of 10 CFR 50.73(a)(2)(iv) as an activation of an Engineered Safety Feature [JE]. There were no system or equipment failures. The isolation valves which received the close signal were already in the closed (isolated) position. The isolation logic initiating signal was not a true high radiation signal. There was no potential for adverse safety consequences generated by this event.

Corrective Actions

1. The event was immediately assessed for abnormal plant conditions and the primary containment radiation levels were found to be normal. Isolation logic was reset and a station work request initiated to the Instrument and Controls Department for investigation.
2. During the 1992 Refueling Outage, the panels containing the primary containment high range radiation monitors will be further inspected and evaluated to determine if improvements are possible for reduction of random electric noise which can cause or produce spurious isolation signals.

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		
		9 1	0 1 8	0 0	0 3	OF 0 3

TEXT (If more space is required, use additional NRC Form 385A's) (17)

Additional Information

Related LERs: 91-028 An electrical noise spike resulting from a high voltage measurement on a radiation monitor caused a partial isolation of the reactor building ventilation system.

91-001 An electrical noise spike resulting from a high voltage measurement on service water process radiation monitor caused primary containment high range monitor B to initiate an isolation of primary containment vent and purge isolation valves.