

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



Radford J. Converse
Resident Manager

April 1, 1992
JAFF-92-0289

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

SUBJECT: DOCKET NO. 50-333
LICENSEE EVENT REPORT: 92-014-00 - Spurious Trip of
Drywell High Range Radiation
Monitor

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. W. Verne Childs at (315) 349-6071.

Very truly yours,

A handwritten signature in cursive script, appearing to read 'R. Converse', with the word 'Division' written below it.

RADFORD J. CONVERSE

RJC:WVC:lar

Enclosure

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

9204080109 920401
PDR ADDCK 05000333
S PDR

Cent No
PO64705495
IF22
11

LICENSEE EVENT REPORT (LER)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 600 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-330), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20545, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)

James A. FitzPatrick Nuclear Power Plant

DOCKET NUMBER (2)

050003331 OF 04

PAGE (3)

TITLE (4) Primary Containment Vent and Purge Isolation Caused by Spurious Trip of Drywell
High Range Radiation Monitor Due to Electromagnetic Interference

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	0	2	9	2	0	1	4	0	0	0	4	0	1	9	2	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):																			
POWER LEVEL (10)		0		0		0		0		0		0		0		0		0		0	
20.402(b)		20.405(a)(1)(i)		20.405(a)(1)(ii)		20.405(a)(1)(iii)		20.405(a)(1)(iv)		20.405(a)(1)(v)		20.405(a)(1)(vi)		20.405(a)(1)(vii)		20.405(a)(1)(viii)		20.405(a)(1)(ix)		20.405(a)(1)(x)	
20.405(a)(2)(i)		20.405(a)(2)(ii)		20.405(a)(2)(iii)		20.405(a)(2)(iv)		20.405(a)(2)(v)		20.405(a)(2)(vi)		20.405(a)(2)(vii)		20.405(a)(2)(viii)		20.405(a)(2)(ix)		20.405(a)(2)(x)		20.405(a)(2)(xi)	
20.405(a)(3)(i)		20.405(a)(3)(ii)		20.405(a)(3)(iii)		20.405(a)(3)(iv)		20.405(a)(3)(v)		20.405(a)(3)(vi)		20.405(a)(3)(vii)		20.405(a)(3)(viii)		20.405(a)(3)(ix)		20.405(a)(3)(x)		20.405(a)(3)(xi)	
20.405(a)(4)(i)		20.405(a)(4)(ii)		20.405(a)(4)(iii)		20.405(a)(4)(iv)		20.405(a)(4)(v)		20.405(a)(4)(vi)		20.405(a)(4)(vii)		20.405(a)(4)(viii)		20.405(a)(4)(ix)		20.405(a)(4)(x)		20.405(a)(4)(xi)	
20.405(a)(5)(i)		20.405(a)(5)(ii)		20.405(a)(5)(iii)		20.405(a)(5)(iv)		20.405(a)(5)(v)		20.405(a)(5)(vi)		20.405(a)(5)(vii)		20.405(a)(5)(viii)		20.405(a)(5)(ix)		20.405(a)(5)(x)		20.405(a)(5)(xi)	
20.405(a)(6)(i)		20.405(a)(6)(ii)		20.405(a)(6)(iii)		20.405(a)(6)(iv)		20.405(a)(6)(v)		20.405(a)(6)(vi)		20.405(a)(6)(vii)		20.405(a)(6)(viii)		20.405(a)(6)(ix)		20.405(a)(6)(x)		20.405(a)(6)(xi)	
20.405(a)(7)(i)		20.405(a)(7)(ii)		20.405(a)(7)(iii)		20.405(a)(7)(iv)		20.405(a)(7)(v)		20.405(a)(7)(vi)		20.405(a)(7)(vii)		20.405(a)(7)(viii)		20.405(a)(7)(ix)		20.405(a)(7)(x)		20.405(a)(7)(xi)	
20.405(a)(8)(i)		20.405(a)(8)(ii)		20.405(a)(8)(iii)		20.405(a)(8)(iv)		20.405(a)(8)(v)		20.405(a)(8)(vi)		20.405(a)(8)(vii)		20.405(a)(8)(viii)		20.405(a)(8)(ix)		20.405(a)(8)(x)		20.405(a)(8)(xi)	
20.405(a)(9)(i)		20.405(a)(9)(ii)		20.405(a)(9)(iii)		20.405(a)(9)(iv)		20.405(a)(9)(v)		20.405(a)(9)(vi)		20.405(a)(9)(vii)		20.405(a)(9)(viii)		20.405(a)(9)(ix)		20.405(a)(9)(x)		20.405(a)(9)(xi)	
20.405(a)(10)(i)		20.405(a)(10)(ii)		20.405(a)(10)(iii)		20.405(a)(10)(iv)		20.405(a)(10)(v)		20.405(a)(10)(vi)		20.405(a)(10)(vii)		20.405(a)(10)(viii)		20.405(a)(10)(ix)		20.405(a)(10)(x)		20.405(a)(10)(xi)	
20.405(a)(11)(i)		20.405(a)(11)(ii)		20.405(a)(11)(iii)		20.405(a)(11)(iv)		20.405(a)(11)(v)		20.405(a)(11)(vi)		20.405(a)(11)(vii)		20.405(a)(11)(viii)		20.405(a)(11)(ix)		20.405(a)(11)(x)		20.405(a)(11)(xi)	
20.405(a)(12)(i)		20.405(a)(12)(ii)		20.405(a)(12)(iii)		20.405(a)(12)(iv)		20.405(a)(12)(v)		20.405(a)(12)(vi)		20.405(a)(12)(vii)		20.405(a)(12)(viii)		20.405(a)(12)(ix)		20.405(a)(12)(x)		20.405(a)(12)(xi)	
20.405(a)(13)(i)		20.405(a)(13)(ii)		20.405(a)(13)(iii)		20.405(a)(13)(iv)		20.405(a)(13)(v)		20.405(a)(13)(vi)		20.405(a)(13)(vii)		20.405(a)(13)(viii)		20.405(a)(13)(ix)		20.405(a)(13)(x)		20.405(a)(13)(xi)	
20.405(a)(14)(i)		20.405(a)(14)(ii)		20.405(a)(14)(iii)		20.405(a)(14)(iv)		20.405(a)(14)(v)		20.405(a)(14)(vi)		20.405(a)(14)(vii)		20.405(a)(14)(viii)		20.405(a)(14)(ix)		20.405(a)(14)(x)		20.405(a)(14)(xi)	
20.405(a)(15)(i)		20.405(a)(15)(ii)		20.405(a)(15)(iii)		20.405(a)(15)(iv)		20.405(a)(15)(v)		20.405(a)(15)(vi)		20.405(a)(15)(vii)		20.405(a)(15)(viii)		20.405(a)(15)(ix)		20.405(a)(15)(x)		20.405(a)(15)(xi)	
20.405(a)(16)(i)		20.405(a)(16)(ii)		20.405(a)(16)(iii)		20.405(a)(16)(iv)		20.405(a)(16)(v)		20.405(a)(16)(vi)		20.405(a)(16)(vii)		20.405(a)(16)(viii)		20.405(a)(16)(ix)		20.405(a)(16)(x)		20.405(a)(16)(xi)	
20.405(a)(17)(i)		20.405(a)(17)(ii)		20.405(a)(17)(iii)		20.405(a)(17)(iv)		20.405(a)(17)(v)		20.405(a)(17)(vi)		20.405(a)(17)(vii)		20.405(a)(17)(viii)		20.405(a)(17)(ix)		20.405(a)(17)(x)		20.405(a)(17)(xi)	
20.405(a)(18)(i)		20.405(a)(18)(ii)		20.405(a)(18)(iii)		20.405(a)(18)(iv)		20.405(a)(18)(v)		20.405(a)(18)(vi)		20.405(a)(18)(vii)		20.405(a)(18)(viii)		20.405(a)(18)(ix)		20.405(a)(18)(x)		20.405(a)(18)(xi)	
20.405(a)(19)(i)		20.405(a)(19)(ii)		20.405(a)(19)(iii)		20.405(a)(19)(iv)		20.405(a)(19)(v)		20.405(a)(19)(vi)		20.405(a)(19)(vii)		20.405(a)(19)(viii)		20.405(a)(19)(ix)		20.405(a)(19)(x)		20.405(a)(19)(xi)	
20.405(a)(20)(i)		20.405(a)(20)(ii)		20.405(a)(20)(iii)		20.405(a)(20)(iv)		20.405(a)(20)(v)		20.405(a)(20)(vi)		20.405(a)(20)(vii)		20.405(a)(20)(viii)		20.405(a)(20)(ix)		20.405(a)(20)(x)		20.405(a)(20)(xi)	
20.405(a)(21)(i)		20.405(a)(21)(ii)		20.405(a)(21)(iii)		20.405(a)(21)(iv)		20.405(a)(21)(v)		20.405(a)(21)(vi)		20.405(a)(21)(vii)		20.405(a)(21)(viii)		20.405(a)(21)(ix)		20.405(a)(21)(x)		20.405(a)(21)(xi)	
20.405(a)(22)(i)		20.405(a)(22)(ii)		20.405(a)(22)(iii)		20.405(a)(22)(iv)		20.405(a)(22)(v)		20.405(a)(22)(vi)		20.405(a)(22)(vii)		20.405(a)(22)(viii)		20.405(a)(22)(ix)		20.405(a)(22)(x)		20.405(a)(22)(xi)	
20.405(a)(23)(i)		20.405(a)(23)(ii)		20.405(a)(23)(iii)		20.405(a)(23)(iv)		20.405(a)(23)(v)		20.405(a)(23)(vi)		20.405(a)(23)(vii)		20.405(a)(23)(viii)		20.405(a)(23)(ix)		20.405(a)(23)(x)		20.405(a)(23)(xi)	
20.405(a)(24)(i)		20.405(a)(24)(ii)		20.405(a)(24)(iii)		20.405(a)(24)(iv)		20.405(a)(24)(v)		20.405(a)(24)(vi)		20.405(a)(24)(vii)		20.405(a)(24)(viii)		20.405(a)(24)(ix)		20.405(a)(24)(x)		20.405(a)(24)(xi)	
20.405(a)(25)(i)		20.405(a)(25)(ii)		20.405(a)(25)(iii)		20.405(a)(25)(iv)		20.405(a)(25)(v)		20.405(a)(25)(vi)		20.405(a)(25)(vii)		20.405(a)(25)(viii)		20.405(a)(25)(ix)		20.405(a)(25)(x)		20.405(a)(25)(xi)	
20.405(a)(26)(i)		20.405(a)(26)(ii)		20.405(a)(26)(iii)		20.405(a)(26)(iv)		20.405(a)(26)(v)		20.405(a)(26)(vi)		20.405(a)(26)(vii)		20.405(a)(26)(viii)		20.405(a)(26)(ix)		20.405(a)(26)(x)		20.405(a)(26)(xi)	
20.405(a)(27)(i)		20.405(a)(27)(ii)		20.405(a)(27)(iii)		20.405(a)(27)(iv)		20.405(a)(27)(v)		20.405(a)(27)(vi)		20.405(a)(27)(vii)		20.405(a)(27)(viii)		20.405(a)(27)(ix)		20.405(a)(27)(x)		20.405(a)(27)(xi)	
20.405(a)(28)(i)		20.405(a)(28)(ii)		20.405(a)(28)(iii)		20.405(a)(28)(iv)		20.405(a)(28)(v)		20.405(a)(28)(vi)		20.405(a)(28)(vii)		20.405(a)(28)(viii)		20.405(a)(28)(ix)		20.405(a)(28)(x)		20.405(a)(28)(xi)	
20.405(a)(29)(i)		20.405(a)(29)(ii)		20.405(a)(29)(iii)		20.405(a)(29)(iv)		20.405(a)(29)(v)		20.405(a)(29)(vi)		20.405(a)(29)(vii)		20.405(a)(29)(viii)		20.405(a)(29)(ix)		20.405(a)(29)(x)		20.405(a)(29)(xi)	
20.405(a)(30)(i)		20.405(a)(30)(ii)		20.405(a)(30)(iii)		20.405(a)(30)(iv)		20.405(a)(30)(v)		20.405(a)(30)(vi)		20.405(a)(30)(vii)		20.405(a)(30)(viii)		20.405(a)(30)(ix)		20.405(a)(30)(x)		20.405(a)(30)(xi)	
20.405(a)(31)(i)		20.405(a)(31)(ii)		20.405(a)(31)(iii)		20.405(a)(31)(iv)		20.405(a)(31)(v)		20.405(a)(31)(vi)		20.405(a)(31)(vii)		20.405(a)(31)(viii)		20.405(a)(31)(ix)		20.405(a)(31)(x)		20.405(a)(31)(xi)	
20.405(a)(32)(i)		20.405(a)(32)(ii)		20.405(a)(32)(iii)		20.405(a)(32)(iv)		20.405(a)(32)(v)		20.405(a)(32)(vi)		20.405(a)(32)(vii)		20.405(a)(32)(viii)		20.405(a)(32)(ix)		20.405(a)(32)(x)		20.405(a)(32)(xi)	
20.405(a)(33)(i)		20.405(a)(33)(ii)		20.405(a)(33)(iii)		20.405(a)(33)(iv)		20.405(a)(33)(v)		20.405(a)(33)(vi)		20.405(a)(33)(vii)		20.405(a)(33)(viii)		20.405(a)(33)(ix)		20.405(a)(33)(x)		20.405(a)(33)(xi)	
20.405(a)(34)(i)		20.405(a)(34)(ii)		20.405(a)(34)(iii)		20.405(a)(34)(iv)		20.405(a)(34)(v)		20.405(a)(34)(vi)		20.405(a)(34)(vii)		20.405(a)(34)(viii)		20.405(a)(34)(ix)		20.405(a)(34)(x)		20.405(a)(34)(xi)	
20.405(a)(35)(i)		20.405(a)(35)(ii)		20.405(a)(35)(iii)		20.405(a)(35)(iv)		20.405(a)(35)(v)		20.405(a)(35)(vi)		20.405(a)(35)(vii)		20.405(a)(35)(viii)		20.405(a)(35)(ix)		20.405(a)(35)(x)		20.405(a)(35)(xi)	
20.405(a)(36)(i)		20.405(a)(36)(ii)		20.405(a)(36)(iii)		20.405(a)(36)(iv)		20.405(a)(36)(v)		20.405(a)(36)(vi)		20.405(a)(36)(vii)		20.405(a)(36)(viii)		20.405(a)(36)(ix)		20.405(a)(36)(x)		20.405(a)(36)(xi)	
20.405(a)(37)(i)		20.405(a)(37)(ii)		20.405(a)(37)(iii)		20.405(a)(37)(iv)		20.405(a)(37)(v)		20.405(a)(37)(vi)		20.405(a)(37)(vii)		20.405(a)(37)(viii)		20.405(a)(37)(ix)		20.405(a)(37)(x)		20.405(a)(37)(xi)	
20.405(a)(38)(i)		20.405(a)(38)(ii)		20.405(a)(38)(iii)		20.405(a)(38)(iv)		20.405(a)(38)(v)		20.405(a)(38)(vi)		20.405(a)(38)(vii)		20.405(a)(38)(viii)		20.405(a)(38)(ix)		20.405(a)(38)(x)		20.405(a)(38)(xi)	
20.405(a)(39)(i)		20.405(a)(39)(ii)		20.405(a)(39)(iii)		20.405(a)(39)(iv)		20.405(a)(39)(v)		20.405(a)(39)(vi)		20.405(a)(39)(vii)		20.405(a)(39)(viii)		20.405(a)(39)(ix)		20.405(a)(39)(x)		20.405(a)(39)(xi)	
20.405(a)(40)(i)		20.405(a)(40)(ii)		20.405(a)(40)(iii)		20.405(a)(40)(iv)		20.405(a)(40)(v)		20.405(a)(40)(vi)		20.405(a)(40)(vii)		20.405(a)(40)(viii)		20.405(a)(40)(ix)		20.405(a)(40)(x)		20.405(a)(40)(xi)	
20.405(a)(41)(i)		20.405(a)(41)(ii)		20.405(a)(41)(iii)		20.405(a)(41)(iv)		20.405(a)(41)(v)		20.405(a)(41)(vi)		20.405(a)(41)(vii)		20.405(a)(41)(viii)		20.405(a)(41)(ix)		20.405(a)(41)(x)		20.405(a)(41)(xi)	
20.405(a)(42)(i)		20.405(a)(42)(ii)		20.405(a)(42)(iii)		20.405(a)(42)(iv)		20.405(a)(42)(v)		20.405(a)(42)(vi)		20.405(a)(42)(vii)		20.405(a)(42)(viii)		20.405(a)(42)(ix)		20.405(a)(42)(x)		20.405(a)(42)(xi)	
20.405(a)(43)(i)		20.405(a)(43)(ii)		20.405(a)(43)(iii)		20.405(a)(43)(iv)		20.405(a)(43)(v)		20.405(a)(43)(vi)		20.405(a)(43)(vii)		20.405(a)(43)(viii)		20.405(a)(43)(ix)		20.405(a)(43)(x)		20.405(a)(43)(xi)	
20.405(a)(44)(i)		20.405(a)(44)(ii)		20.405(a)(44)(iii)		20.405(a)(44)(iv)		20.405(a)(44)(v)		20.405(a)(44)(vi)		20.405(a)(44)(vii)		20.405(a)(44)(viii)		20.405(a)(44)(ix)		20.405(a)(44)(x)		20.405(a)(44)(xi)	
20.405(a)(45)(i)		20.405(a)(45)(ii)		20.405(a)(45)(iii)		20.405(a)(45)(iv)		20.405(a)(45)(v)		20.405(a)(45)(vi)		20.405(a)(45)(vii)		20.405(a)(45)(viii)		20.405(a)(45)(ix)		20.405(a)(45)(x)		20.405(a)(45)(xi)	
20.405(a)(46)(i)		20.405(a)(46)(ii)		20.405(a)(46)(iii)		20.405(a)(46)(iv)		20.405(a)(46)(v)		20.405(a)(46)(vi)		20.405(a)(46)(vii)		20.405(a)(46)(viii)		20.405(a)(46)(ix)		20.405(a)(46)(x)		20.405(a)(46)(xi)	
20.405(a)(47)(i)		20.405(a)(47)(ii)		20.405(a)(47)(iii)		20.405(a)(47)(iv)		20.405(a)(47)(v)		20.405(a)(47)(vi)		20.405(a)(47)(vii)		20.405(a)(47)(viii)		20.405(a)(47)(ix)		20.405(a)(47)(x)		20.405(a)(47)(xi)	
20.405(a)(48)(i)		20.405(a)(48)(ii)		20.405(a)(48)(iii)		20.405(a)(48)(iv)		20.405(a)(48)(v)		20.405(a)(48)(vi)		20.405(a)(48)(vii)		20.405(a)(48)(viii)		20.405(a)(48)(ix)		20.405(a)(48)(x)		20.405(a)(48)(xi)	
20.405(a)(49)(i)		20.405(a)(49)(ii)		20.405(a)(49)(iii)		20.405(a)(49)(iv)		20.405(a)(49)(v)		20.405(a)(49)(vi)		20.405(a)(49)(vii)		20.405(a)(49)(viii)		20.405(a)(49)(ix)		20.405(a)(49)(x)		20.405(a)(49)(xi)	
20.405(a)(50)(i)		20.405(a)(50)(ii)		20.405(a)(50)(iii)		20.405(a)(50)(iv)		20.405(a)(50)(v)		20.405(a)(50)(vi)		20.405(a)(50)(vii)		20.405(a)(50)(viii)		20.405(a)(50)(ix)		20.405(a)(50)(x)		20.405(a)(50)(xi)	
20.405(a)(51)(i)		20.405(a)(51)(ii)		20.405(a)(51)(iii)		20.405(a)(51)(iv)		20.405(a)(51)(v)		20.405(a)(51)(vi)											

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 600 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANUAL, EVENT BRANCH (P-630), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555. A-D TO THE PAPERWORK REDUCTION PROJECT (3160-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)

DOCKET NUMBER (2)

LER NUMBER (6)

PAGE (3)

James A. FitzPatrick
Nuclear Power Plant

0 5 0 0 0 3 3 3 9 2 - 0 1 4 - 0 0 0 2 OF 0 4

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

EIIIS Codes are in []

Description

The plant was shutdown and in the cold condition for maintenance and refuel.

On March 2, 1992 at 1411 hours a spurious trip signal from primary containment [NH] drywell high range radiation monitor 27RM-104B [IL] caused automatic isolation (closure) of primary containment vent and purge system valves 27AOV-116 and -117.

The primary containment drywell high range radiation monitors, which are listed in Technical Specification Table 3.2-8, are part of the accident monitoring instrumentation [IP] and are designed to initiate isolation of the primary containment to prevent the spread of highly radioactive materials during and following postulated accidents which damage reactor fuel [AC]. The instrumentation was not required to be operable at the time of the event because the plant had been shutdown since November 28, 1991. The reactor fuel had all been moved to the spent fuel pool and no work activities which could result in radiation levels within the range of the high range radiation monitors were in progress.

At the time of the event personnel were in the process of inspecting fire barrier penetration seals in the base of the panel containing the high range radiation monitors as part of a base line inspection of all fire barrier seals (see LER-91-024). This activity (apparently) had an adverse effect on the electromagnetic interference (EMI) susceptibility of 27RM-104B causing a spurious trip signal. Both drywell high range radiation monitors have experienced a number of spurious trips due to EMI within the past two years (see LERs 91-001, 91-018, 91-022, and 91-029). During December 1991, an evaluation was performed to determine the cause of the spurious trips. This evaluation recommended corrective actions (see LER-91-030) to mitigate the effects of EMI. These corrective actions have not yet been fully implemented due to outage work schedule constraints.

Immediately following the spurious trip signal, operating personnel verified proper isolation (closure) of the appropriate valves, verified that the trip signal was apparently spurious as indicated by normal indication on both drywell high range radiation monitors and then reset the tripped monitor and isolation logic [JM].

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 500 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

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 9 2	SEQUENTIAL 0 1	REVISION 4			

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

On March 19, 1992 both drywell high range radiation monitors were temporarily modified in accordance with plant procedures to prevent the generation of isolation signals during the time period when the radiation monitors are not required to be operable. This action will prevent further engineered safety feature actuation system [JE] signals which are not necessary.

Cause

The event was caused by the unusually high susceptibility of the drywell high range radiation monitors to EMI. As noted in LER-91-030, investigation and correction of the spurious trips due to EMI is in progress.

Analysis

While the drywell high range radiation monitors 27RM-104A and -104B were not required to be operable by Technical Specifications, the instruments had not been removed from service to prevent the generation of spurious trip signals. As a result, the event was a condition that resulted in automatic actuation of an engineered safety feature, that is, automatic isolation of the primary containment vent and purge system and is thus a reportable event under 10 CFR 50.73(a)(2)(iv).

Corrective Action

1. Operating personnel immediately investigated and determined that the drywell high range radiation monitor trip signal was spurious (false) and reset the monitor and isolation logic.
2. Trip signals from drywell high range radiation monitors 27RM-104A and -104B were blocked (in accordance with approved plant procedures for temporary modifications) to prevent additional isolations due to spurious signals during the time period that the monitors are not required to be operable. Completed on March 19, 1992. Reference Temporary Modification 92-087.
3. Corrective actions (which are stated in greater detail in LER-91-030) to reduce the undesirable effects of EMI and to restore the drywell high range radiation monitors to the design configuration will be completed prior to start-up following the 1992 Refuel Outage. Due date May 15, 1992.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 500 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)

DOCKET NUMBER (2)

LER NUMBER (6)

PAGE (3)

James A. FitzPatrick
Nuclear Power Plant

0 5 0 0 0 3 3 3 9 2 - 0 1 4 - 0 0 C: 4 OF 0 4

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

Additional Information

Failed components: None

Related Events: LERs 91-001, 91-018, 91-022, 91-029, and 91-030 describe additional spurious drywell high range radiation monitor trips and EMI problems.