

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 2TITLE (4)
Generic Setpoint Drift

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 (3)										
0	6	0	1	8	5	8	5	0	1	5	0	0	0	0	0	0	0	0	0	0

OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 8: (Check one or more of the following) (11)									
POWER LEVEL (10) 0 1 9		20.402(b)		20.405(c)		50.73(a)(2)(iv)		73.71(b)			
		20.405(a)(1)(i)		50.36(c)(1)		50.73(a)(2)(v)		73.71(c)			
		20.405(a)(1)(ii)		50.36(c)(2)		50.73(a)(2)(vii)		OTHER (Specify in Abstract below and in Text, NRC Form 366A)			
		20.405(a)(1)(iii)		50.73(a)(2)(i)		50.73(a)(2)(viii)(A)					
		20.405(a)(1)(iv)		50.73(a)(2)(ii)		50.73(a)(2)(viii)(B)					
20.405(a)(1)(v)		50.73(a)(2)(iii)		50.73(a)(2)(ix)							

LICENSEE CONTACT FOR THIS LER (12)
NAME: Joseph P. Flaherty
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	MANUFACTURER	REPORTABLE TO NPDs	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs
X	I	G	J	S	G	0	8	2	Y

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

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

After placing the Reactor Mode Switch to Run and while increasing Reactor power following an extended Refueling Outage, performance of the Average Power Range Monitor (APRM) Rod Block Upscale and downscale Trip Surveillance test revealed that APRM's A, D, E, and F had downscale trips of 1.5, 1.0, 2.0 and 2.0 % respectively. The operating Technical Specification Table 3.2-3 value is ≥ 2.5 % indicated. APRM B and C downscale trips were found at 3.0 and 2.5 %. All upscale trips were satisfactory.

Downscale trip signals are provided to the Reactor Protection System and the Rod Block Monitor provided the Reactor Mode Switch is in "RUN."

The setpoints were immediately adjusted per the surveillance procedure and placed on an increased testing frequency of once per week to monitor/trend setpoint drift. Three (3) days after the initial occurrence, while performing APRM downscale weekly functional test, the downscale trips for APRM D and F were found out of tolerance high at 6.0 %.

Both setpoints were reset as per the surveillance test. Three (3) surveillances have been performed since the original occurrence and no drift outside of the established band 2.5(4.0-2.5) has been observed.

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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 8 5 - 0 1 5 - 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 365A's) (17)

After placing the Reactor Mode Switch to RUN and while increasing Reactor Power following an extended refueling outage, performance of the Average Power Range Monitor (APRM) Rod Block Upscale and Downscale Trip Surveillance Test revealed that APRM Channels A, D, E, and F had downscale trip settings of 1.5, 1.0, 2.0 and 2.0 % indicated respectively. The Operating Technical Specification Table 3.2-3 value is ≥ 2.5 % indicated. All other trips were found satisfactory.

The APRM's are a subsystem of the Power Range Monitoring System which functions to monitor neutron flux within the reactor core from 0 to 125 % of the reactor rated power.

The downscale trip signal from APRM Channels A, C, and E provide signals to Reactor Protection System Channel A while the signals from APRM Channels B, D, and F provide signals to Reactor Protection System Channel B. These signals serve the Reactor Protection System provided the Reactor Mode Switch is in the RUN position.

With the Reactor Mode Switch in the RUN position, the downscale trips from APRM channels A, D, and E provide signals to Rod Block Monitor A and APRM Channels B, C, and F provide signals to Rod Block Monitor B.

The downscale trip on a APRM is an indication that the instrument has failed or is not sensitive enough to respond to changes in control rod motion.

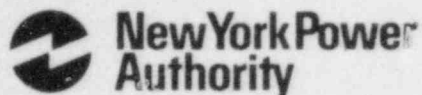
The downscale trip setpoints were immediately adjusted per the surveillance procedure and placed on an increased surveillance frequency of once per week to monitor/trend setpoint drift. Three (3) days after the initial occurrence, while performing APRM downscale weekly Functional Test, the downscale trips for APRM Channels D and F were found to be out of procedural tolerance high at 6.0 % indicated. Both setpoints were immediately reset. Three (3) surveillance tests have been performed since the occurrence and no drift outside of the established band 2.5(4.0-2.5) has been observed. The instruments will be returned to their normal required monthly frequency functional surveillance frequency after 4 satisfactory tests.

The Reactor Mode Switch was in the RUN mode for a total of approximately 9 hours with the out of tolerance setpoints.

As an added precaution, the setpoint band has been changed to allow setting the downscale trip at 3.0 % instead of 2.5 % as indicated.

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

Harold A. Glover
Resident Manager



June 28, 1985
JAFP-85-0554

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

REFERENCE: DOCKET NO. 50-333
LICENSEE EVENT REPORT: 85-015

Dear Sir:

Enclosed please find the referenced Licensee Event Report in accordance with the requirements of 10 CFR 50.73.

If there are any questions concerning this report, please contact Mr. Hartford N. Keith at (315) 342-3840, Extension 230.

A handwritten signature in cursive script, appearing to read 'H. A. Glover'.

HAROLD A. GLOVIER

^{jpt}
HAG/HNK/cm
Enclosure

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

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