NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

LICENSEE EVENT REPORT (LER)

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

TITLE (4)

REACTOR SCRAM WHILE SHUTDOWN

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 9	2 8	8 4	8 4	— 0 2 0	— 0 0	1 0	2 3	8 4		0 5 0 0 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)	0 0 0	20.402(b)	20.406(c)	X 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)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
William Fernandez, Operations Superintendent	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	

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

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

While shutdown for a scheduled maintenance outage, with all rods inserted, two inadvertent reactor scrams occurred within a period of approximately seven hours. At the time of the first event, Induction Heat Stress Improvement (IHSI) electrical disturbances had caused a scram signal in one of the scram channels. Concurrent to this, an additional signal was received in the other scram channel, causing the scram, when an under vessel neutron instrumentation connector was bumped during control rod drive mechanism maintenance in the same area.

During the second event, a half-scram signal was in place due to surveillance testing. Concurrent to this, the second channel trip occurred, causing the scram, when another under vessel instrumentation connector was bumped during control rod drive mechanism maintenance.

Initial actions were to reset the scrams.

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FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
JAMES A. FITZPATRICK NUCLEAR POWER PLANT	0 5 0 0 0 3 3 3	8 4	— 0 2 0	— 0 0	0 2 OF 0 2

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

During a scheduled outage for maintenance, two reactor scrams occurred within an approximate period of seven hours. At the time of the first event, Induction Heat Stress Improvement (IHSI) was being performed on recirculation system piping. Due to the large electrical requirements and electrical interference of this process, frequent spurious scram trip inputs occurred. At the time of one of these spurious scram signals, another scram signal was generated when an under vessel nuclear instrumentation connector was bumped during control rod drive mechanism maintenance in the area. The combination of the two signals resulted in a full scram signal in the reactor protection system (RPS).

In the second scram incident, a similar single scram signal, resulting from a connector, occurred as described above. In this second case,the second scram signal required to initiate a full scram, had already existed due to surveillance testing in progress on the "A" RPS scram channel.

The initial action was to reset the scrams. There is no permanent corrective action applicable.

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

Corbin A. McNeill, Jr.
Resident Manager

New York Power Authority

October 23, 1984
JAFP 84-0984

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

REFERENCE: DOCKET NO. 50-333 Licensee Event Report: 84-020-00

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. William Fernandez at (315) 342-3840, Extension 300.

Very truly yours,

Hartford N. Keith by dir.

CORBIN A. McNEILL, JR.
RESIDENT MANAGER

CAM:WF:dmh
Enclosure

CC: USNRC, Region I (1)
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IE22
1/1