

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) INDIAN POINT, UNIT 2 DOCKET NUMBER (2) 0 5 0 0 0 1 2 4 7 1 OF 2

TITLE (4) SPURIOUS ACTUATION OF MANUAL SAFETY INJECTION CHANNEL

EVENT DATE (6)			LER NUMBER (8)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)		
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES		DOCKET NUMBER(S)
07	13	84	84	008	000	08	12	84			050001
THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5. (Check one or more of the following) (11)											

OPERATING MODE (9)	20.402(b)	20.406(a)	<input checked="" type="checkbox"/>	50.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10) 0100	20.406(a)(1)(i)	50.38(a)(1)		50.73(a)(2)(v)	73.71(a)
	20.406(a)(1)(ii)	50.38(a)(2)		50.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 366AJ)
	20.406(a)(1)(iii)	50.73(a)(2)(i)		50.73(a)(2)(viii)(A)	
	20.406(a)(1)(iv)	50.73(a)(2)(ii)		50.73(a)(2)(viii)(B)	
	20.406(a)(1)(v)	50.73(a)(2)(iii)		50.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME MICHAEL BLATT, DIRECTOR - REGULATORY AFFAIRS TELEPHONE NUMBER 9145265127

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS
X	JIB	IRILY		Y					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (if you complete EXPECTED SUBMISSION DATE) NO

EXPECTED SUBMISSION DATE (15)

ABSTRACT (Limit to 1400 spaces, i.e., approximately 11000 single-space typewritten lines) (16)

On July 13, 1984, while at cold shutdown conditions with the fuel unloaded from the Reactor Core for a refueling outage, one channel of the manual Safety Injection circuitry spuriously and partially actuated causing partial initiation of Engineered Safeguards Equipment.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)

DOCKET NUMBER (2)

DATE (3)

PAGE (3)

INDIAN POINT, UNIT 2

YEAR	SEQUENTIAL NUMBER	REVISION NUMBER
84	008	00

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TEXT (If more space is required, use additional NRC Form 366A (1/75))

The Indian Point 2 Safety Injection actuation circuitry provides for manual initiation of safety injection. Two buttons are provided corresponding to the two channels. Either one of the channels will initiate safety injection as well as cause Engineered Safeguards actuation (with the exception of Containment Isolation) and initiate reactor trip.

On July 13, 1984 spurious and partial actuation of the "A" channel of the manual safety injection circuitry occurred. The master relay incorporates a mechanical latching mechanism. Although the contacts closed the mechanical latch did not. Thus the signal was applied over a short time period. The relays downstream are magnetic and stayed locked although the master relay opened. Actuation of Engineered Safeguards equipment that was not electrically disconnected took place.

An investigation of the incident was performed. Troubleshooting of the master relay and circuitry did not indicate any component failure. It was concluded that the channel "A" manual safety injection actuation switch, master relay (and latching mechanism) and associated wiring were in good condition and operational. Therefore if the relay were activated as intended it would fulfill its design function. The investigation also determined that similar partial actuation could be initiated by manually manipulating the relay; for example the reset button on the relay. Workmen were present in the area pulling cable in that panel; however, none acknowledged striking the reset button on the relay. In the process of feeding and pulling cable, the cable could have come in contact with the relay without the workmen's knowledge. It is believed that the relay was unknowingly actuated in this manner.

As part of the procedures done prior to startup of the plant, the relays will be tested. There were no previous similar events.

John D. O'Toole
Vice President

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Telephone (212) 460-2533

August 12, 1984

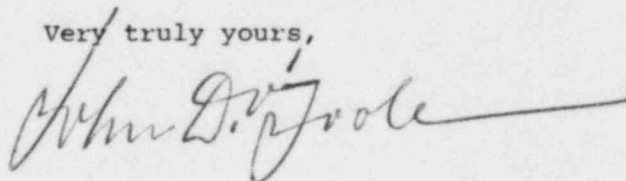
Re: Indian Point Unit No. 2
Docket No. 50-247
LER-84-008-00

Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Sirs:

The attached Licensee Event Report LER-84-008-00 is hereby submitted in accordance with the requirements of 10 CFR Part 50.73.

Very truly yours,



attach.

cc: Dr. Thomas E. Murley,
Regional Administrator-Region I
U. S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pa. 19406

Senior Resident Inspector
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