

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)										DOCKET NUMBER (2)										PAGE (3)																																												
INDIAN POINT UNIT 2										015101010121417										1 OF 12																																												
TITLE (4)																																																																
POTENTIALLY INOPERABLE SERVICE WATER PUMPS																																																																
EVENT DATE (5)										LER NUMBER (6)										REPORT DATE (7)										OTHER FACILITIES INVOLVED (8)																																		
MONTH			DAY			YEAR				SEQUENTIAL NUMBER			REVISION NUMBER			MONTH			DAY			YEAR				FACILITY NAMES										DOCKET NUMBER(S)																												
1			0			02				84			84			-0			2			1			-0				0			1			1				2				8				8				4				0151010101									
OPERATING MODE (9)										THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 50. (Check one or more of the following) (11)																				73.71(b)																																		
POWER LEVEL (10)										20.402(a)										20.406(a)										50.73(a)(2)(iii)										73.71(a)																								
0100										20.406(a)(1)(ii)										50.34(a)(1)										50.73(a)(2)(iv)										73.71(a)																								
										20.406(a)(1)(iii)										50.34(a)(2)										50.73(a)(2)(v)										OTHER (Specify in Abstract below and in Text, NRC Form 204a)																								
										20.406(a)(1)(iv)										50.73(a)(2)(vi)										50.73(a)(2)(vii)(A)																																		
										20.406(a)(1)(v)										50.73(a)(2)(vii)(B)										50.73(a)(2)(viii)																																		
										20.406(a)(1)(vi)										50.73(a)(2)(ix)										50.73(a)(2)(x)																																		
LICENSEE CONTACT FOR THIS LER (12)																														TELEPHONE NUMBER																																		
NAME																				AREA CODE																																												
MICHAEL BLATT																				914										52675127																																		
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)										MONTH DAY YEAR																																		
YES (If yes, complete EXPECTED SUBMISSION DATE)																				NO																																												

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

October 2, 1984 during a surveillance test of the Service Water pumps, it was observed that the check valves on the discharge side of two service water pumps in the same header were leaking. This surveillance test took place when the plant was at cold shutdown for a refueling maintenance outage.

- Leakage past the check valves would adversely affect the header flow rate if the associated pump(s) was not in operation for any reason. Although the net flow was not measured as part of the surveillance test, and reportability thus could not be determined, a decision was made on October 31, 1984 to report the event.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)

INDIAN POINT UNIT 2

DUCKET NUMBER (2)

0 5 0 0 0 2 4 7

LER NUMBER (3)

YEAR SEQUENTIAL REVISION

NUMBER NUMBER NUMBER

8 4 0 2 1 0 0 0 2

PAGE (3)

0 2 OF 0 2

TEXT (if more space is required, use additional NRC Form 2606 (1/7))

During the surveillance test to determine the operability of the Service Water pumps, back leakage across check valves on the discharge side of two pumps was observed. The surveillance test was performed on October 2, 1984 while the plant was at cold shutdown for a refueling maintenance outage. Since it is not possible to determine whether pump flow met the minimum requirements of the accident analysis, and reportability thus could not be determined, a decision to report the event was made on October 31, 1984.

The Service Water System is divided into two headers with three pumps per header for a total of six pumps. One header is designated the "essential" header; the other header is designated the "non-essential" header. The "essential" header supplies cooling water to "safety related" equipment, whose operation is required immediately after an accident and/or station blackout. The "non-essential" header supplies cooling water to "non-Safety" related equipment or safety related equipment whose function is not required until much later in an accident. Although one specific header is normally the "essential" header, the system piping permits either header to perform the "essential" cooling function.

The leaking check valves on the two pumps, #22 and #23, were on the header designated "non-essential". If this header were to be designated the "essential" header, either #22 or #23 pumps could be out of service. In this instance leakage past one check valve would adversely affect the flow supplied by the other two pumps. In the "non-essential" mode only one pump is required. For this latter case, leakage past two check valves would adversely affect flow of the remaining pump.

The affected check valves have since been repaired and tested satisfactorily.

John D. O'Toole
Vice President

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November 28, 1984

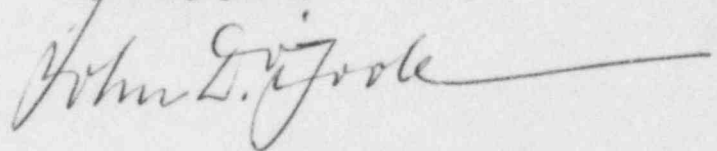
Re: Indian Point Unit No. 2
Docket No. 50-247
LER-84-021-00

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

Dear Sirs:

The attached Licensee Event Report LER-84-021-00 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
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11