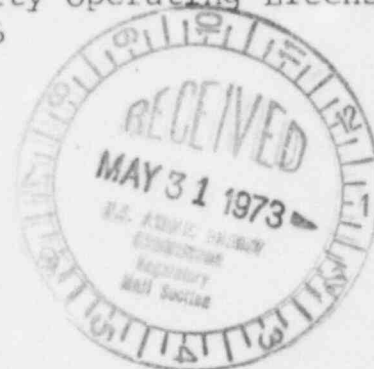


Consolidated Edison Company of New York, Inc.
4 Irving Place, New York, N Y 10003
Telephone (212) 460-5181

May 29, 1973

Re: Indian Point Unit No. 2
AEC Docket No. 50-247
Facility Operating License
DPR-26

Mr. John F. O'Leary, Director
Directorate of Licensing
U. S. Atomic Energy Commission
Washington, D. C. 20545



Dear Mr. O'Leary

The following report of Abnormal Occurrence No. 3-2-6 is provided pursuant to the requirements of Section 6.6.1.B of the Technical Specifications to Facility Operating License No. DPR-26.

On May 19, at 0215 hours, No. 23 High Head Safety Injection Pump was started in order to add water to the Safety Injection System Accumulators. Within a few minutes after starting the pump, and after first observing normal pumping characteristics, it was noted that the accumulator level was not changing and that the pumps discharge pressure had decreased to that existing in the Reactor Coolant System. Safety Injection Pump No. 23 was thereupon shut down.

Investigation revealed that a motor-operated valve, (MOV) 1810, in the common suction line from the Refueling Water Storage Tank to the High Head Pumps was closed. The motor operated valve was opened and a re-start of the pump was attempted without success. Apparently, the pump had seized as a result of having been operated without a source of water. Safety Injection Pump No. 23 was then replaced with an identical pump which was tested satisfactorily.

Investigation into the cause of the improper valve lineup revealed that several key operations personnel had assumed that MOV 1810 was in its normal position, i.e., open and deenergized as required by the Technical Specifications which

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Mr. John F. O'Leary

May 29, 1973

define prerequisite conditions for reactor criticality, and did not obtain verification of the valve status prior to starting the pump. In fact, the valve was shut in order to facilitate maintenance work which had been performed on the system. The occurrence, therefore, was the direct result of standard operating procedures not being followed by the operating personnel prior to starting this high head pump.

Safety implications attendant to the occurrence are non-existent. This evaluation is based on the fact that the Unit No. 2 reactor had not yet been brought to initial criticality, and completion of the required precriticality check-off list would have assured the proper position of MOV 1810 before reactor startup even if pump failure had not occurred. Furthermore, the subject check-off list is required to be completed prior to reactor startup at any time, regardless of the reason for shutdown, or its duration. For this reason, we consider it extremely unlikely that the Unit No. 2 reactor would ever be brought to operating status while MOV 1810 is in the closed position. We wish to note that Technical Specification 3.3.A.1 specifically requires that MOV 1810 be in the open, deenergized position while the reactor is in service.

Very truly yours

William E. Caldwell



Telegram

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ICS IPMDCNA NYK

01210 FR DC NEWYORK NY 401 05-21 742P EDT

PMS JAMES P OREILLY DIRECTOR

REGULATORY OPERATIONS REGION 1

US ATOMIC ENERGY COMM

970 BROAD ST

NEWARK REPT NEWARK NJ 07102

RE: INDIAN POINT UNIT NO 2

FACILITY OPERATING LICENSE DPR-26

DEAR MR OREILLY:

IN ACCORDANCE WITH THE REQUIREMENTS OF TECHNICAL SPECIFICATION
6.6.1.B OF FACILITY OPERATING LICENSE DPR-26-

WE WISH TO INFORM YOU OF AN ABNORMAL OCCURRENCE WHICH WAS IDENTIFIED
ON MAY 19 1973 AT APPROXIMATELY 0215 HOURS-

8F-1201 (RS-88)



Telegram

WITH THE UNIT NO 2 REACTOR IN A SHUTDOWN CONDITION, AND THE
REACTOR COOLANT SYSTEM PRESSURE AND TEMPERATURE AT 413 PSIG
AND 225 F, RESPECTIVELY,

NO 23 HIGH HEAD SAFETY INJECTION PUMP WAS STARTED IN ORDER TO
ADD WATER TO THE SIS ACCUMULATORS-

WITHIN A FEW MINUTES AFTER STARTING THE PUMP-

AND AFTER FIRST OBSERVING NORMAL PUMPING CHARACTERISTICS, IT WAS
NOTED THAT ACCUMULATOR LEVEL WAS NOT CHANGING, AND THAT THE PUMP
DISCHARGE PRESSURE HAD DECREASED TO THAT EXISTING IN THE REACTOR
COOLANT SYSTEM. SAFETY INJECTION PUMP NO 23 WAS THEREUPON SHUT DOWN-
INVESTIGATION REVEALED THAT A MOTOR -OPERATED VALVE, NO 1810-
IN THE COMMON SUCTION LINE FROM THE FUELING EATER STORAGE
TANK TO THE SIS PUMPS WAS CLOSED AND THIS RESULTED IN THE
PUMP LOSING SUCTION.

8F-1201 (RS-88)

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Telegram

THE MOTOR-OPERATED VALVE WAS OPENED AND A RE-START OF THE PUMP WAS ATTEMPTED WITHOUT SUCCESS-

APPARENTLY, THE PUMP SEIZED AS A RESULT OF HAVING BEEN OPERATED WITHOUT A SOURCE OF WATER. SAFETY INJECTION PUMP NO 23 WAS REPLACED WITH A SPARE AND, AFTER HAVING BEEN SATISFACTORILY TESTED, WAS RETURNED TO SERVICE ON MAY 21, 1973.

AN INVESTIGATION AS TO THE CAUSE OF NO 23 SAFETY INJECTION PUMP BEING OPERATED WITH AN IMPROPER VALVE LINEUP IS PRESENTLY BEING CONDUCTED. AT THIS POINT IN TIME, IT APPEARS THAT A MAJOR CONTRIBUTING FACTOR IS THAT SEVERAL KEY OPERATIONS PERSONNEL ASSUMED THAT MOV 1810 WAS IN ITS NORMAL POSITION- I E OPEN AND DEENERGIZED, AND DID NOT ACTUALLY OBTAIN VERIFICATION OF ITS STATUS PRIOR TO STARTING THE PUMP. A REPORT ON THE

BF-1201 (RS-69)



Telegram

RESULTS OF THIS INVESTIGATION, AND ANY MEASURES TAKEN TO PREVENT RECURRENCE, WILL BE PROVIDED WITHIN TEN (10) DAYS AS REQUIRED BY THE FACILITY LICENSE.

MR ELDON BRUNNER OF YOUR OFFICE WAS NOTIFIED OF THIS INCIDENT BY MR JOHN MAKEPEACE, CHIEF ENGINEER, UNIT NO 2, BY TELEPHONE ON MAY 19, 1973. IN ADDITION, AND IN ACCORDANCE WITH THE

TECHNICAL SPECIFICATION 6.2, THE CHAIRMAN OF OUR NUCLEAR FACILITIES SAFETY COMMITTEE WAS NOTIFIED OF THE OCCURRENCE THE SAME DAY

WILLIAM E CALDWELL JR

BF-1201 (RS-69)

File

MEMO ROUTE SLIP		See me about this.	For concurrence.	For action.
Form ABC-174 (Rev. May 14, 1967) SEE ME 0230		Note and return.	For signature.	For information.
TO (Name and unit)		INITIALS	REMARKS	
H. D. Thornburg, Chief, FS&EB		DATE	Licensee: Consolidated Edison Company	
			Docket No.: 50-247	
			Abnormal Occurrence: TWX dated 5/21/73	
TO (Name and unit)		INITIALS	REMARKS	
RO:HQ (5) DR Central Files (1) Regulatory Standards (3) Dir. of Licensing (13)		DATE	The attached report from the subject licensee is	
			forwarded in accordance with RO Manual Chapter 1000.	
TO (Name and unit)		INITIALS	REMARKS	
		DATE	The action taken by the licensee is considered	
			appropriate. Followup will be performed during	
			the next inspection as appropriate. Copies of	
FROM (Name and unit)		REMARKS		
E. J. Brunner, RO:I		the report have been forwarded to the PDR, Local		
		PDR, NSIC, DTIE and State representatives. The		
		licensee will submit a 10 day written report to		
PHONE NO.		DATE		
		5/29/73		
		Licensing.		

USE OTHER SIDE FOR ADDITIONAL REMARKS

GPO : 1971 O - 445-469

Handwritten:
5/29/73