

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Indian Point, Unit 3 DOCKET NUMBER (2) 0 5 0 0 0 2 8 6 1 OF 0 3 PAGE (3)

TITLE (4) Control Room Switches Improperly Positioned Above Cold 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)		
09	02	86	86	009	01	04	01	87		0 5 0 0 0		
										0 5 0 0 0		

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)

OPERATING MODE (9) N	20.402(b)	20.406(c)	50.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10) 000	20.406(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)
	20.406(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
	20.406(a)(1)(iii)	X 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 John J. Anderson - Site Reactor Engineer TELEPHONE NUMBER 9 1 4 7 3 9 - 1 8 2 0 1 0
 AREA CODE

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

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

On September 2, 1986, during initial plant heatup following a turbine maintenance outage, the control room switches for the two containment spray pumps and the two recirculation pumps were found to be in the "trip-pullout" position. Reactor coolant system (RCS) temperature was approximately 305 degrees Fahrenheit at the time of discovery, with the reactor subcritical. Although all four (4) pumps were available for use by the reactor operator if necessary, the incorrect switch positioning of the two containment spray pumps would have prevented these pumps from starting automatically upon a safeguards initiation. Investigation found that the four affected switches were not aligned properly when the pre-warmup check off list was performed before exceeding the cold shutdown condition. This error was caused by miscommunication between those personnel performing the check off list.

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

At approximately 0700 hours on September 2, 1986, during a routine plant tour, the on-site NRC Senior Resident Inspector identified that the control room switches for the two containment spray pumps and the two recirculation pumps were improperly positioned. The sequence of events leading up to the discovery are as follows:

On August 30, 1986, preparations were underway to return the unit to service following a turbine maintenance outage. The reactor was in the cold shutdown condition (Reactor Coolant System (RCS) temperature approximately 118 degrees Fahrenheit). The switches for the containment spray and recirculation pumps remained in the "trip-pullout" position, as they had been for the duration of the outage, to provide protection against unintentional automatic starting. These pumps are not required to be operable with the reactor at cold shutdown. Pre-startup activities continued into the next day.

On August 31, 1986, the Reactor Operator (RO) Rover, while completing various sections of the "Pre-warmup Checkoff List", (COL-RPC-1), requested that the Control Room Operators place the control switches for the containment spray pumps and recirculation pumps in the "AUTO" position. The RO Rover, believing this would be done, indicated in the "above 200°F" section of the checkoff list that the containment spray pumps, piping and valves and recirculation pumps, piping and valves were operable.

At approximately 0135 hours on September 2, 1986, all pre-warmup activities were believed to have been completed and RCS temperature was increased above the cold shutdown condition of 200 degrees Fahrenheit. At 0700 hours, RCS temperature was approximately 305 degrees Fahrenheit with the reactor still in the subcritical condition. At this point, the improper switch positions were identified by the Resident Inspector. The control room operators immediately placed the affected switches in the "Auto" position and initiated a second performance of procedure COL-RPC-1 in order to verify equipment alignment. All other equipment was found to be aligned as required by the check-off list.

Technical Specifications 3.3.B.1.b and 3.3.A.1.d require both containment spray pumps and one (1) recirculation pump, respectively, to be "operable" when RCS temperature is greater than 200 degrees Fahrenheit. As demonstrated by surveillance testing, these pumps had met their operability criteria, however, the improper switch positioning had caused them to be inoperable. This event is therefore reportable under 10CFR50.73 (a) (2) (i) (B) as operation prohibited by Technical Specifications.

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

It is important to note that the Control Room Operators could have manually started any or all of these pumps if required. Additionally, the recirculation pumps are designed to start only through manual operation of other related switches in the Control Room. Positioning of these control switches into "AUTO" only allows the recirculation pumps to be started upon manual initiation of the internal recirculation mode.

In order to preclude recurrence of this event, the pre-warmup checkoff list and associated plant operating procedures have been revised to insure that required safeguards equipment is positioned properly during plant startup. No similar events have been reported in an LER to date. Subsequent to this event, normal plant heatup continued and the unit returned to service.

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April 1, 1987
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IP3-JJA-085H

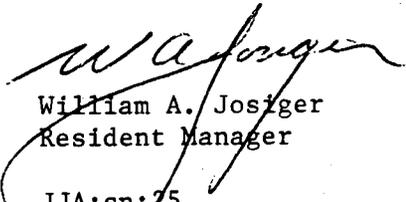
Docket No. 50-286
License No. DPR-64

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

Dear Sir:

The attached Licensee Event Report LER 86-009-01 is hereby submitted in accordance with the requirements of 10CFR50.73. This event is of the type defined in Paragraph 50.73 (a) (2) (i) (B).

Very truly yours,


William A. Josiger
Resident Manager

JJA:sn:75
Attachment

cc: Dr. Thomas Murley
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