

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Indian Point Unit No. 2 DOCKET NUMBER (2) 050002147 PAGE (3) 1 OF 03

TITLE (4) Instrument Maintenance Recirculation Pumps Inoperable

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		
04	01	88	88	004	00	05	01	88	05000		

OPERATING MODE (9) N

POWER LEVEL (10) 100

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

20.402(b)	20.406(e)	80.73(a)(2)(iv)	73.71(b)
20.406(a)(1)(i)	80.38(a)(1)	80.73(a)(2)(v)	73.71(e)
20.406(a)(1)(ii)	80.38(a)(2)	80.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
20.406(a)(1)(iii)	X 80.73(a)(2)(i)	80.73(a)(2)(vii)(A)	
20.406(a)(1)(iv)	80.73(a)(2)(ii)	80.73(a)(2)(vii)(B)	
20.406(a)(1)(v)	80.73(a)(2)(iii)	80.73(a)(2)(viii)	

LICENSEE CONTACT FOR THIS LER (12) John Ellwanger, Principal Engineer

TELEPHONE NUMBER 914 526-5182

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
X	I	J	L	I	D	O	5	5	N

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE) NO

EXPECTED SUBMISSION DATE (15)

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

On April 1, 1988 while the plant was at full power, the grating on the recirculation sump was removed in order to permit maintenance on an inoperable recirculation sump level detector. Since the grating is deemed essential to prevent clogging of the recirculation pump suction line at the point of intersection with the sump pit, the two recirculation pumps were conservatively declared inoperable. Since the Technical Specifications do not provide an LCO for inoperable recirculation pump(s), the plant entered Technical Specification paragraph 3.0.1 which applies when circumstances are in excess of those prescribed by the Technical Specifications.

It was found necessary to voluntarily enter Technical Specification 3.0.1 six times between April 1, 1988 and April 15, 1988 for the purpose of repairing the sump level detector.

At no time was nuclear safety compromised since the containment sump, which provides suction to the RHR pumps, provides 100% backup to the recirculation pumps and sump.

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TEXT (If more space is required, use additional NRC Form 366a) (17)

Plant and System Identification:

Westinghouse 4-loop pressurized water reactor

Identification of Occurrence: Inoperable Recirculation sump pumps place plant in Technical Specification status where circumstances are in excess of those provided for in the Technical Specifications.

Event Date: April 1 through April 15, 1988

Past Similar Occurrences: Although the plant has previously entered paragraph 3.0.1 on occasion, this has not previously occurred due to conservatively declaring inoperable recirculation sump pumps.

Significant Occurrence Report: SORs 88-158, 165, 170, 172, 181 and 183

Description of Event:

Prior to April 1, 1988, a recirculation sump level monitor was declared inoperable. The plant was at full power and continued to operate during the period covered by this report. The availability of the recirculation sump level monitors are covered in the Technical Specifications since they form one of the detection schemes for indication of leakage into containment during normal operation.

Access to the recirculation sump to perform maintenance on the level monitor requires removal of grating across the sump. Although the sump is fitted with mesh at the intersection of the recirculation pump suction line with the sump to preclude ingestion of fine debris, the grating also provides protection against larger sized debris which is outside the design basis of the mesh. Thus, removal of the grating renders the recirculation pumps inoperable. As presently written, the Technical Specifications do not address inoperability of the recirculation pumps once the plant is critical. Therefore, it was concluded that two inoperable recirculation pumps would place the plant in circumstances in excess of those prescribed by the Technical Specifications.

Since repair of sump level monitor was necessary to assure compliance with the applicable section of the Technical Specification, a decision was made to remove the grating, declare the recirculation sump pumps inoperable and enter Technical Specification 3.0.1 of the Technical Specifications. This decision was predicated upon the availability of the RHR system which provides full recirculation backup capability via a separate sump (containment sump). The utilization of the RHR system as a backup system for post-LOCA recirculation is provided for in the Emergency Operating Procedures.

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TEXT (If more space is required, use additional NRC Form 366i) (17)

It was found necessary to remove the sump grating six times, for short durations, between April 1, 1988 and April 15, 1988 in order to restore the sump level monitor to operable status.

Analysis of Occurrence

This event is reportable since the plant entered a Technical Specification provision which constitutes a "condition prohibited by the Technical Specification". At no time was the safety of the plant compromised as the RHR system provides complete backup to the recirculation pumps under hypothetical accident conditions. Use of the RHR system in this mode is reflected in the Emergency Operating Procedures.

Cause of the Occurrence

The cause of the malfunction of the level detector was a defective switch. Removal of the grating for maintenance purposes was the cause of the event.

Corrective Action

The instrumentation was repaired and returned to service on April 15, 1988. Due to the operating history of this device the current malfunction is believed to be an isolated instance. Should repeated malfunctions occur, the application of the device would have to be re-evaluated due its critical location.

Stephen B. Bram
Vice President

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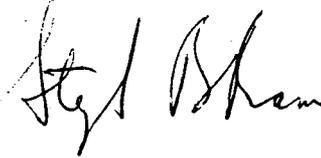
May 2, 1988

Re: Indian Point Unit No. 2
Docket No. 50-247
LER 88-004

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

The attached Licensee Event Report LER 88-004 is hereby submitted in accordance with the requirements of 10 CFR 50.73.

Very truly yours,



attachment

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