

CATEGORY 1

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ACCESSION NBR: 9805280274 DOC. DATE: 98/05/22 NOTARIZED: NO DOCKET #
 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana M 05000315
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 SCHOEPF, P. Indiana Michigan Power Co. (formerly Indiana & Michigan Ele
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 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 98-018-01: on 980305, use of RCP seals as alternate boron injection flow path potentially results in unanalyzed condition, Evaluation of technical issues & safety significance is in progress & updated LER is expected 980831.

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American Electric Power
Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106
616 465 5901



May 22, 1998

United States Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Operating Licenses DPR-58
Docket No. 50-315

Document Control Manager:

In accordance with the criteria established by 10 CFR 50.73 entitled Licensee Event Report System, the following report is being submitted:

98-018-01

Sincerely,

A handwritten signature in cursive script that reads "J. R. Sampson".

J. R. Sampson
Site Vice President

/mbd

Attachment

c: A. B. Beach, Region III
J. R. Sampson
P. A. Barrett
S. J. Brewer
R. Whale
D. Hahn
Records Center, INPO
NRC Resident Inspector

11/1
Jez

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LICENSEE EVENT REPORT (LER)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNBB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)
Donald C. Cook Nuclear Plant - Unit 1DOCKET NUMBER (2)
50-315

Page 1 of 1

TITLE (4)

Use of Reactor Coolant Pump Seals as Alternate Boron Injection Flow Path Potentially Results in Unanalyzed Condition

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 NAME	DOCKET NUMBER
03	05	98	98	-- 018 --	01	05	22	98	Cook - Unit 2	50-316
									FACILITY NAME	DOCKET NUMBER

OPERATING MODE (9)	5	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more) (11)						
POWER LEVEL (10)	0	20.2201(b)		20.2203(a)(3)(i)		50.73(a)(2)(iii)		73.71(b)
		20.2203(a)(1)		20.2203(a)(3)(ii)		50.73(a)(2)(iv)		73.71(c)
		20.2203(a)(2)(i)		20.2203(a)(4)		50.73(a)(2)(v)		OTHER
		20.2203(a)(2)(ii)		50.36(c)(1)		50.73(a)(2)(vii)		(Specify in Abstract below and in Text, NRC Form 366A)
		20.2203(a)(2)(iii)		50.36(c)(2)		50.73(a)(2)(viii)(A)		
		20.2203(a)(2)(iv)		50.73(a)(2)(1)		50.73(a)(2)(viii)(B)		
20.2203(a)(2)(v)		X	50.73(a)(2)(ii)		50.73(a)(2)(x)			

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER (Include Area Code)
Mr. Paul Schoepf, Safety Related Mechanical Engineering Superintendent	616/465-5901, x2408

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)

X	YES (If yes, complete EXPECTED SUBMISSION DATE).	NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
				08	31	98

ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines) (16)

In March, 1998, it was noted that the Reactor Coolant Pump (RCP) seals are used as an alternate emergency boration flow path, using the Boric Acid Storage Tank (BAST) as the injection source. The BAST is maintained at a temperature above the vendor's recommended maximum RCP seal water injection temperature, and the extended use of this flow path could be expected to result in the seal water injection temperature exceeding the recommended maximum. After evaluation of the potential impact of this condition, it was determined that this represented an unanalyzed condition, reportable under 10CFR50.72(b)(2)(i), and an ENS notification was made on April 1, 1998. This interim LER is therefore submitted under 10CFR50.72(a)(2)(ii).

Operation of the alternate emergency boration flow path utilizing boric acid from the BAST at the high end of its possible temperature range could result in damage to the RCP seals, which in turn, could result in seal leak-off flow rates beyond the seal injection capabilities. As a result of our investigation, additional technical issues were discovered that are the result of potential use of the RCP seals as an emergency boration flow path. Westinghouse has been contacted to provide technical input.

Evaluation of the technical issues and the safety significance is in progress. It is expected that an update to this LER will be issued by August 31, 1998.