

# CATEGORY 1

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 FACIL:50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana M. 05000315  
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 SCHOEPF,P.      Indiana Michigan Power Co.  
 SAMPSON,J.R.      Indiana Michigan Power Co.  
 RECIP.NAME      RECIPIENT AFFILIATION

SUBJECT: LER 98-027-00:on 980505,discovered debris of unknown origin  
 west containment spray header.Cause indeterminate.Evaluation  
 of condition is in progress & updated LER will be submitted.

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June 2, 1998

United States Nuclear Regulatory Commission  
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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:

98-027-00

Sincerely,

J. R. Sampson  
Site Vice President

/mbd

Attachment

c: C. J. Paperiello (Acting), Region III  
J. R. Sampson  
P. A. Barrett  
S. J. Brewer  
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Records Center, INPO  
NRC Resident Inspector

IE22 11

9806110389 980602  
PDR ADOCK 05000315  
S PDR

NRC FORM 366 (5-92)			U.S. NUCLEAR REGULATORY COMMISSION			APPROVED BY OMB NO. 3150-0104 EXPIRES 5/31/95				
<b>LICENSEE EVENT REPORT (LER)</b>										
FACILITY NAME (1) Donald C. Cook Nuclear Plant - Unit 1						DOCKET NUMBER (2) 50-315		Page 1 of 1		
TITLE (4) Interim LER - Debris of Unknown Origin Found in West Containment Spray Header										
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
05	05	98	98	-- 027 --	00	06	02	98	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)		73.71c
				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)(i)		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  Mr. Paul Schoepf, Safety Related Mechanical Engineering Superintendent								TELEPHONE NUMBER (Include Area Code)  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)						EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR
X YES (If yes, complete EXPECTED SUBMISSION DATE).				NO		11		02	98	
ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines) (16)										
<p>On May 5, 1998, with Unit 1 in Mode 5, it was determined Unit 1 had potentially operated in an unanalyzed condition and outside the design basis due to debris found in the West Containment Spray (CTS) header. In accordance with 10CFR50.72(b)(2)(i), "[a]ny event found while the reactor is shutdown, that, had it been found while the reactor was in operation, would have resulted in the nuclear plant, including its [principle] safety barriers, being in an unanalyzed condition that significantly compromises plant safety," an ENS notification was made at 1545 hours EDT. This LER is submitted in accordance with 10CFR50.73(a)(2)(ii) for an unanalyzed condition.</p> <p>The Unit 1 West CTS header was inspected using a boroscope to determine if boric acid plate out was present due to the identification of borated water being present in the header. This inspection was performed by removing a number of spray nozzles and inserting the boroscope into the pipe for 10 feet in either direction. Although no evidence of boric acid plate out was identified, a quantity of debris was seen inside the header. Activities are being performed to determine the size and nature of the debris. This debris has a potential to block CTS nozzles. It has been assumed that this debris was present while Unit 1 was operating, making the West CTS header potentially inoperable for greater than the time period allowed by the CTS T/S.</p> <p>Evaluation of this condition is in progress, and actions will be formulated accordingly. An update to this LER will be provided prior to Unit 1 entering Mode 4. As a date has not been projected for restart, a submittal date of November 2, 1998 has been chosen. Depending on the progress to restart, the submittal may be made earlier.</p>										