

# CATEGORY 1

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9807170287      DOC. DATE: 98/06/23      NOTARIZED: NO      DOCKET #  
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       50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana M 05000316  
 AUTH. NAME                      AUTHOR AFFILIATION  
 KELLY, M.                        Union Electric Co.  
 RECIP. NAME                    RECIPIENT AFFILIATION  
                                  NRC - No Detailed Affiliation Given

SUBJECT: Part 21 rept re defective & missing welds found on ice  
 basket bottom cross bar & bottom basket grids during insp of  
 unit 1 ice condenser. Investigation ongoing. Defective ice  
 basket bottom rims will be repaired or replaced.

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34427

## Reportability Requirement

This is Mark Kelly from American Electric Power, D.C. Cook Units 1 and 2, calling with an initial NRC notification that event number 34427, previously reported by D. C. Cook on June 23, 1998, has been determined to also be reportable under 10 CFR Part 21.

The component supplier (Westinghouse) has been provided a copy of this report. A written 10 CFR Part 21 report will be submitted by August 10, 1998.

\*\*\* THE FOLLOWING WAS REPORTED ON JUNE 23, 1998 AS EVENT #34427 \*\*\*

## Background

The ice condenser consists of 24 bays, each of which contain 81 ice baskets for a total of 1,944 ice baskets per unit. The ice baskets are approximately 48 feet high and 1 foot in diameter, and are restrained so that they do not eject during design basis accident blowdown forces. This restraint is achieved by a u-bolt arrangement connected to a cross bar on the bottom of the ice basket.

On January 12, 1998, an ENS call was made by D.C. Cook to report damage to ice condenser baskets. More detail on the ice condenser damage was provided in LER 98-08-01. Today's report is related to manufacturing defects rather than damage.

## Event

Defective and missing welds have been found on the ice basket bottom cross bar and bottom basket grids during an inspection of the unit 1 ice condenser. Although preliminary analyses have indicated that the presence of defective welds on the bottom cross bar may be acceptable, the aggregate effect of missing and defective welds on both the bottom cross bar and bottom grid structure has been determined to constitute an unanalyzed condition. It is expected that similar conditions will be found in the unit 2 ice condenser ice baskets.

## Corrective Action

The investigation of this condition is ongoing. The defective ice basket bottom rims will be replaced or repaired as appropriate. A written 10 CFR Part 21 update will be submitted within 30 days.

Callback # 616-465-5901 x. 1482

9807170287 980623  
PDR ADDCK 05000315  
S PDR

DCD

POWER REACTOR

EVENT NUMBER: 34427

FACILITY: COOK		REGION: 3		NOTIFICATION DATE: 06/23/98		
UNIT: [1] [2] [ ]		STATE: MI		NOTIFICATION TIME: 10:19 [ET]		
RX TYPE: [1] W-4-LP, [2] W-4-LP				EVENT DATE: 06/23/98		
				EVENT TIME: 08:07 [EDT]		
NRC NOTIFIED BY: MARK KELLY				LAST UPDATE DATE: 07/10/98		
HQ OPS OFFICER: FANGIE JONES						
EMERGENCY CLASS: NOT APPLICABLE				NOTIFICATIONS		
10 CFR SECTION:				MIKE JORDAN RDO		
ADAS 50.72(b)(2)(i) DEG/UNANALYZED COND				VERN HODGE NRR		
CCCC 21.21 UNSPECIFIED PARAGRAPH						
UNIT	SCRAM CODE	RX CRIT	INIT PWR	INIT RX MODE	CURR PWR	CURR RX MODE
1	N	N	0	COLD SHUTDOWN	0	COLD SHUTDOWN
2	N	N	0	COLD SHUTDOWN	0	COLD SHUTDOWN

EVENT TEXT

ICE CONDENSER BASKETS FOUND IN UNANALYZED CONDITION

THE LICENSEE DISCOVERED, DURING AN INSPECTION OF UNIT ONE ICE CONDENSER, MISSING AND OR DEFECTIVE WELDS ON THE BOTTOM CROSSBAR AND BOTTOM BASKET GRIDS OF THE ICE CONDENSER BASKETS. THE LICENSEE EXPECTS TO FIND SIMILAR CONDITIONS IN THE UNIT TWO ICE CONDENSER. THIS CONDITION IS UNANALYZED AND AN INVESTIGATION WILL CONTINUE INTO THE CAUSE OF THESE CONDITIONS. THE CONDITION IS BEING REVIEWED FOR REPORTABILITY UNDER 10CFR PART 21.

THE DEFECTIVE ICE BASKET BOTTOM RIMS WILL BE REPAIRED OR REPLACED AS APPROPRIATE BEFORE ENTERING PLANT STARTUP.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE ON 7/10/98 @ 1704 BY KELLY TO GOULD \*\*\*

THE LICENSEE IS CONSIDERING THIS CONDITION TO BE A PART 21 REPORT SINCE THEY DETERMINED THE REPORTED ICE CONDENSER DAMAGE IS MORE OF A MANUFACTURING DEFECT THAN DAMAGE. IT IS EXPECTED THAT SIMILAR CONDITIONS WILL BE FOUND ON UNIT 2.

THE RESIDENT INSPECTOR WAS INFORMED.

THE REG 3 RDO (GARDNER) WAS NOTIFIED.

VERN HODGE (NRR) WAS NOTIFIED.

140026

