NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/88

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
D.C. Cook Nuclear Plant, Unit 1	0 5 0 0 0 3 1 5	1 OF 0 2

TITLE (4) Potential Loss of Safety Related Electrical Equipment Due to Improper Application of Motor Control Center (MCC) Reversing Starter Control Transformers.

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)
0 2	2 8	8 6	8 6	0 0 4	0 0	0 3	2 7	8 6	D.C. Cook - Unit 2	0 5 0 0 0 3 1 6
										0 5 0 0 0

OPERATING MODE (9)	1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)			
POWER LEVEL (10)	0 8 0	20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)
		20.405(a)(1)(i)	50.36(c)(1)	X 50.73(a)(2)(v)	73.71(c)
		20.405(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	X OTHER (Specify in Abstract below and in Text, NRC Form 366A)
		20.405(a)(1)(iii)	50.73(a)(2)(i)	50.73(a)(2)(viii)(A)	
		20.405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)	
		20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
	AREA CODE
A.A. Blind - Assistant Plant Manager	6 1 6 4 6 5 - 5 9 0 1

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
YES (If yes, complete EXPECTED SUBMISSION DATE)	X NO				

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

During our evaluation on February 28, 1986, (Unit 1/2 at 90/80 percent reactor thermal power) of our Noncompliance Report (NRC) RQA-86-03-1 (issued January 29, 1986), we concluded the following should be reported pursuant to the requirements of 10CFR50 (a)(2)(V) and 10CFR 21; certain reversing starters (IEEF 9) were arranged in some Motor Control Centers (MCC) such that a fault in the associated control transformer (secondary side) could have resulted in complete loss of the MCC.

As of February 28, 1986, a design change (RFC-DC-12-2882) was being implemented which had resolved the inadequacy in the design application for D.C. Cook Unit 1. D.C. Cook Unit 2 was shutting down for a refueling outage. The Unit 2 misapplications will be resolved per RFC-DC-12-2882 during the current refueling outage. No actual control transformer secondary faults have occurred at either D.C. Cook Plant units to date, such that loss of an MCC would have resulted.

The purpose of NRC RQA-86-03-1 was to resolve an inadequacy created by a deficient procedure for reporting 10 CFR 21 concerns. Reference LER 315/86-003 dated 3/27/86 for additional information concerning the deficient 10 CFR 21 procedure.

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
D.C. Cook Nuclear Plant, Unit 1	0 5 0 0 0 3 1 5	8 6	— 0 0 4	— 0 0	0 2 OF 0 2

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

During our evaluation on February 28, 1986, (Unit 1/2 at 90/80 percent reactor thermal power) of our Noncompliance Report (NCR) RQA)86-03-1 (issued January 29, 1986), we concluded the following should be reported: Certain reversing starters (IEEE-9) were arranged in some Motor Control Centers (MCC) such that a fault in the associated control transformer (secondary side) could have resulted in complete loss of the MCC.

As of February 28, 1986 a design change (RFC-DC-12-2882) was being implemented which had resolved the inadequacy in the design application for D.C. Cook Unit 1. D.C. Cook Unit 2 was shutting down for a refueling outage. The Unit 2 misapplications will be resolved per RFC-DC-12-2882 during the current refueling outage. RFC-DC-12-2882 specifies the installation of an aluminum barrier between the control transformer and the circuit breaker associated with the reversing starters. The aluminum barrier will isolate control transformer secondary faults should they occur.

No actual control transformer secondary faults have occurred at either D.C. Cook Plant units to date, such that loss of an MCC would have resulted.

The purpose of NCR RQA-86-03-1 was to resolve an inadequacy created by a deficient procedure for reporting 10 CFR 21 concerns. The procedure was deficient because it did not provide rigorous time limits for evaluating the reportability of potential 10 CFR 21 concerns. One of the corrective actions involved in resolving the procedural deficiency was to make a current evaluation of the reportability of the existing matters identified by procedure as potential 10 CFR 21 concerns. During the current evaluation (on February 28, 1986), the above matter was determined to be reportable pursuant to 10 CFR 50.73(a)(2)(v). In addition, on March 25, 1986 the above was concluded to be reportable pursuant to 10 CFR 21. This LER also serves as written notification pursuant to 10 CFR 21.

Reference LER 315/86-003 dated 3/27/86 for additional information concerning the deficient 10 CFR 21 procedure.