NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
Dresden Nuclear Power Station Unit 2	0 5 0 0 0 2 3 7	1 OF 0 2

TITLE (4)

Cardox System Master Valve Operability

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)
									N/A	0 5 0 0 0
0 5	3 0	8 4	8 4	— 0 0 8	— 0 0	0 6	2 5	8 4		0 5 0 0 0

OPERATING MODE (9)	N	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)			
POWER LEVEL (10)	0 0 0	20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)
		20.405(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)
		20.405(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
		20.405(a)(1)(iii)	X 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
S. Merritt (X-421)	8 1 5 9 4 2 - 2 9 2 0

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	
D											

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 an NRC audit of Dresden Station's compliance with the Fire Protection Technical Specifications it was noted that the Cardox System master valve was not being tested in the automatic mode. The test as written only tested the valve manually. The valve was immediately taken out of service per Technical Specifications and a test of the automatic function was conducted. Following the test the valve was returned to service. The surveillance procedure will be revised to test the valve in both manual and automatic modes.

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FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
Dresden Nuclear Power Station	0 5 0 0 0 2 3 7	8 4	— 0 0 8	— 0 0	0 2 OF 0 2

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

During routine NRC inspection of Dresden's Fire Protection Program, it was discovered that no documentation existed to verify that the Cardox system electro-mechanical master pilot valve was operable in the automatic mode. The Cardox System was declared inoperable immediately. An hourly fire inspection was established per Tech Spec 3.12.D.4, with backup fire suppression equipment in unprotected areas.

The electro-mechanical master pilot valve controls the position of each selector valve for U2, U3 and U2/3 (selector valves control the flow of CO_2 into the diesel generator rooms). In Procedure DFPP 4145-1, revision 1, Cardox System Semi-Annual Maintenance Test, the master pilot valve is verified for manual actuation only. Special Procedure 84-5-35 was written, on-site reviewed, and performed to verify automatic actuation. The Cardox System was declared operable at 1630 hours on 5/30/84.

Automatic actuation of the master pilot valve will be added to DFPP 4145-1.

Safety significance was minimal due to the fact that the master pilot valve was verified operable per design in the automatic mode. In addition, each diesel generator day tank was protected by its wet pipe sprinkler system.

This is the first occurrence of this kind at Dresden Station.

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Dresden Nuclear Power Station
R.R. #1
Morris, Illinois 60450
Telephone 815/942-2920

June 25, 1984

DJS Ltr #84-613

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

Licensee Event Report #84-008-0, Docket #050-237 is being submitted as required by Technical Specification 6.6, NUREG 1022 and 10 CFR 50.73 (a)(2)(i)(B).

D.J. Scott
Station Superintendent
Dresden Nuclear Power Station

DJS/kjl

Enclosure

cc: J.G. Keppler, Regional Administrator, Region III
File/NRC
File/Numerical

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