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)

Unit 2 Reactor Scram

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	0 2 8 5		8 5	— 0 2 2	— 0 0	0 5	1 7	8 5	N/A	0 5 0 0 0

OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)			
	N	20.402(b)	20.405(c)	X 50.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10)	0 4 0	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)	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
R. Coen (X-462)	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	
X				N							

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 normal unit operation, an H_2 and O_2 recombination occurred upstream of the offgas recombiner. During efforts to restore the offgas system to normal, condenser vacuum began to decrease. Because of an ongoing problem with the moisture separator emergency spill valve the hotwell temperature was greater than normal for the operating conditions. As hotwell temperature increased it was decided to scram the unit rather than expose the condensate demineralizers to the high temperature. The electrical loads were transferred to the reserve auxiliary transformer, the recirculation pumps were run down to minimum speed and the unit was manually scrammed. The safety significance of this event was minimal as the event was a controlled evolution designed to protect secondary equipment. During the scram all systems performed as designed. This is the first reportable occurrence of a manual scram at Dresden.

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

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

During normal unit operaiton, an H_2 and O_2 recombination occurred upstream of the offgas recombiner. During efforts to restore the offgas system to normal, condenser vacuum began to decrease. Because the unit had been experiencing an operational problem with moisture separator emergency spill valves the hotwell temperature was greater than normal due to steam coming into the hotwell through the spill line. The loss of efficiency caused by the vacuum problem compounded the condensate temperature problem.

As the hotwell and condensate temperature increased the decision was made to manually scram the unit rather than expose the resins in the condensate demineralizer system to the high temperature. Prior to manually scramming the unit the in house station electrical loads were transferred to the reserve auxiliary transformer and the recirculation flow was run down to minimum. The safety significance was minimal as the event was a controlled evolution. During the scram all safety systems were operable and all equipment functioned as designed. This event represents the first reportable occurrence of a manually initiated scram at Dresden.

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

May 17, 1985

DJS Ltr #85-556

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

Licensee Event Report #85-022-0, Docket #050237 is being submitted as required by Technical Specification 6.6, NUREG 1022 and 10 CFR 50.73 (a)(2)(iv).

John W. Wigginton
for D.J. Scott
Station Manager
Dresden Nuclear Power Station

DJS/kjl

Enclosure

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

IE22
1/1