

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Dresden Nuclear Power Station	DOCKET NUMBER (2) 0 5 0 0 0 2 4 9 1	PAGE (3) 1 OF 0 2
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TITLE (4)
Unit 3 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		
0 1	1 2	8 5	8 5	0 0 1	0 0	0 2	0 7	8 5	N/A		
									DOCKET NUMBER(S)		
									0 5 0 0 0		
									N/A		
									0 5 0 0 0		

OPERATING MODE (9) N	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)									
POWER LEVEL (10) 0 8 5	20.402(n)	<input checked="" type="checkbox"/>	20.406(e)	<input type="checkbox"/>	50.73(n)(2)(iv)	<input type="checkbox"/>	73.71(b)	<input type="checkbox"/>		
	20.405(a)(1)(i)	<input type="checkbox"/>	50.36(e)(1)	<input type="checkbox"/>	50.73(n)(2)(v)	<input type="checkbox"/>	73.71(e)	<input type="checkbox"/>		
	20.406(a)(1)(ii)	<input type="checkbox"/>	50.36(e)(2)	<input type="checkbox"/>	50.73(n)(2)(vi)	<input type="checkbox"/>	OTHER (Specify in Abstract below and in Text, NRC Form 305A)			
	20.408(a)(1)(iii)	<input type="checkbox"/>	50.73(a)(2)(i)	<input type="checkbox"/>	50.73(n)(2)(vii)(A)	<input type="checkbox"/>				
	20.406(a)(1)(iv)	<input type="checkbox"/>	50.73(a)(2)(ii)	<input type="checkbox"/>	50.73(n)(2)(vii)(B)	<input type="checkbox"/>				
	20.406(a)(1)(v)	<input type="checkbox"/>	50.73(a)(2)(iii)	<input type="checkbox"/>	50.73(n)(2)(ix)	<input type="checkbox"/>				

LICENSEE CONTACT FOR THIS LER (12)

NAME Lawrence Coyle (X483)	TELEPHONE NUMBER
	AREA CODE: 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 NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC
X	T A	V		N					
X	S B	P S	B O 7 0	N					

SUPPLEMENTAL REPORT EXPECTED (14)

<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE) <input checked="" type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15)	MONTH DAY YEAR
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ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space, r/c.-written lines) (16)

During normal operation, while performing DOS 5600-2 (Turbine Checks Surveillance) the reactor scrambled from a turbine trip. Safety significance was minimal since safety systems operated as designed. First occurrence of this type.

Cause of the event was a malfunction of the oil trip solenoid valve (Sperry Vickers model #FSDG454012A) which stuck open causing the turbine to mechanically trip from an induced overspeed trip signal. Upon investigation of the solenoid valve, the electrical maintenance department discovered that the manual operating button of the valve was stuck, due to grease contamination of the button guide. The solenoid valve was replaced and operated successfully. Subsequent to the reactor scram, a Group I isolation occurred at a main steam line pressure higher than the setpoint. The cause of this was vibration of the main steam line low pressure switches. Modifications and/or replacement of these switches will be investigated by the Station Nuclear Engineering Department (SNED) for better reliability.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		8 5	- 0 0 1	- 0 0	0 2	OF 0 2

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

During normal operation, while performing the oil trip check portion of DOS 5600-2 (Turbine Checks Surveillance) the turbine tripped resulting in a reactor scram. Safety significance was minimal since all safety systems operated as designed. This was the first occurrence of this type at Dresden.

The cause of the event was a malfunction of the oil trip solenoid valve, which stuck open causing the turbine to trip from an induced overspeed trip signal. Upon investigating the solenoid valve, the electrical maintenance department discovered that the manual operating pushbutton of the valve was stuck, due to grease contamination of the pushbutton guide. The solenoid valve was replaced and operated successfully.

Subsequent to the reactor scram, a Group I Isolation occurred at a main steam line pressure higher than the setpoint of 850 psi. Safety significance was minimal since the Group I Isolation occurred at a more conservative pressure. Cause of the event was the vibration of the Instrument Rack 2253-1 where the Main Steam Line Low Pressure Switches [3-261-30A-D (Barksdale #B2T-A12SS)] are located. The vibration, induced by the automatic realignment of the turbine control and bypass valves, allowed the pressure switches to pick up at the higher pressure. An Action Item Record, 12-85-10, was initiated and sent to SNED to replace the switches and/or perform modifications to dampen the vibrations on Instrument Racks 2253-1 and 2252-1.



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

February 7, 1985

DJS Ltr. #85-152

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

Licensee Event Report #8⁵~~7~~-001-0, Docket #050249 is being submitted as required by Technical Specification 6.6, NUREG 1022 and 10 CFR 50.73(a)(2)(iv).

D. J. Scott
Station Superintendent
Dresden Nuclear Power Station

DJS/jmt

Enclosure

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

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