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	0 5 0 0 0 2 4 9	1 OF 0 2

TITLE (4)

Unit 3 Turbine Trackway Sprinklers Out-Of-Service for Greater Than 14 Days

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	2 0	8 5	8 5	0 1 4	0 0	0 6	1 8	8 5	N/A	0 5 0 0 0

OPERATING MODE (9): N

POWER LEVEL (10): 0 9 7

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)

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)	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)
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
X				N					

SUPPLEMENTAL REPORT EXPECTED (14)

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

EXPECTED SUBMISSION DATE (15): MONTH | DAY | YEAR

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

While checking the feasibility of storing and moving new turbine rotors for the Unit 3 low pressure turbine, it was discovered that sections of the wet pipe sprinkler system and supply header found in the Unit 3 turbine trackway would interfere with the turbine rotors. As a result, a modification was initiated to reroute the wet pipe sprinkler system piping and supply header to allow for the overhead clearance needed. The Unit 3 turbine trackway sprinkler system was taken out of service and modification work began on 5/6/85 at 0600 hours. Prior to taking the system out of service, all cognizant working groups were reminded that the modification had to be completed and the sprinkler system placed back in service within 14 days as required by Technical Specification 3.12.C.3. After the piping installation was completed, problems were encountered with required testing of the system necessary to consider the system operable. Because of the testing delays, the sprinkler system was not returned to service until 5/20/85 at 1130 hours, 5½ hours beyond the allowed 14 day limit.

This report is being written to satisfy the requirements of Tech Spec 3.12.C.3 which requires a written report be submitted if the system is not returned to service within 14 days.

The safety significance of this event was minimal due to the fact that backup fire suppression equipment was available and an hourly fire inspection was conducted per Technical Specification 3.12.C.2. This is the first occurrence of this type at Dresden Station.

IE22
1/1

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6) YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	PAGE (3)
Dresden Nuclear Power Station, Unit 3	0 5 0 0 0 2 4 9	8 5	— 0 1 4	— 0 0	0 2 OF 0 2

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

While checking the feasibility of storing and moving new turbine rotors necessary for overhaul and replacement of the Unit 3 main turbine low pressure rotors during the 1985 fall refueling outage, it was discovered that sections of the wet pipe sprinkler system and supply header found in the Unit 3 trackway would interfere with the turbine rotors. As a result, modification M12-3-85-37 was initiated to reroute the wet pipe sprinkler system piping and supply header to allow for the overhead clearance needed. The Modifications Group Engineer consulted with Professional Loss Control (PLC) to determine if relocation would affect hydraulic calculations (verification to ensure that a system is capable of meeting the required system demand) and to ensure compliance with National Fire Protection Association (NFPA) codes. It was determined that moving the system supply header and piping (raising both up approximately 2 feet) would not have an adverse effect upon the Unit 3 trackway sprinkler system. A modification package was approved by the Station Nuclear Engineer Department (SNED) and modification M12-3-85-37 was initiated to reroute the wet pipe sprinkler system supply header and piping to allow for the overhead clearance needed. The Unit 3 turbine trackway sprinkler system was taken out of service on 5/6/85 at 0600 hours by the Operating Department. Mechanical Maintenance performed the work and the modification package was returned to Operating on 5/10/85. Certain tests, in accordance with applicable NFPA Code 13 standard for the installation of sprinkler systems, had to be performed to verify integrity. In this particular case, a Hydrostatic Test, a Inspector's Test and a 2" Pipe Test had to be completed. During the Hydrostatic Test on 5/13/85, as witnessed by the Modification Group and PLC Engineers, several leaks were found. All leaks were repaired. The Hydrostatic Test was conducted a second time (again witnessed by the Engineers) and successfully passed on 5/17/85. This type of test requires the use of a calibrated pressure gauge that must be recalibrated after the test. The test is not considered complete until after this recalibration verifies operability of the gauge. Mechanical Maintenance had the instrument recalibrated by the Instrument Maintenance Department on 5/20/85. The two remaining tests could then be performed since the Hydrostatic Test passed on 5/20/85. Both tests were performed by the PLC fire consultant and the Modifications Group Engineer. The modification package was signed off and the Unit 3 wet pipe sprinkler system was placed back in service at 1130 hours on 5/20/85.

This report is being written to satisfy the requirements of Tech Spec 3.12.C.3 which requires a written report be submitted if the system is not returned to service within 14 days.

Safety significance was minimal as an hourly fire inspection was conducted and backup fire suppression equipment was available as specified in Tech Spec 3.12.C.2.

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

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

June 18, 1985

DJS Ltr #85-667

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

Licensee Event Report #85-014-0, Docket #050249 is being submitted as required by Technical Specification 3.12.C.3.

D.J. Scott
Station Manager

DJS/kjl

Enclosure

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

IE22
1/1