NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

Updated report. Previous report dated 10/4/83.

CONTROL BLOCK: | | | | | | | (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1	I L D R S 3 (2)	0 0 - 0 0 0 0 0 - 0 0 (3)	4 1 1 1 1 (4)	(5)
	LICENSEE CODE	LICENSE NUMBER	LICENSE TYPE	CAT

CON'T

0 1	REPORT SOURCE	L (6)	0 5 0 0 0 2 4 9 (7)	1 0 0 4 8 3 (8)	0 9 0 4 8 4 (9)
			DOCKET NUMBER	EVENT DATE	REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

During Unit 3 drywell inspection, water was observed leaking from the "A" recirc pump bowl drain. During normal unit operation prior to shutdown for refueling no significant increase was noted in drywell leakage. All leakage was contained within the drywell. Floor and equipment drain leakage was within Tech Spec limits. The event had no effect on public health and safety as all leakage was contained in the drywell. The last similar previous occurrence was reported on RO 82-19 on Docket #050-249.

SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
C B (11)	A (12)	E (13)	P I P E X X (14)	A (15)	Z (16)

(17) LER/RO REPORT NUMBER

EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
8 3	—	0 3 5	/	0 3	X	—	1

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS (22)	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
A (18)	Z (19)	Z (20)	Z (21)	0 0 0 0	N (23)	N (24)	N (25)	G 0 8 0 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

A metallurgical investigation was conducted to determine the cause of leakage in the socket weld taken from the "A" recirc pump bowl drain line. Based on the examination, the most probable cause for the leak was the result of the socket weld joint bottoming out. There was no evidence of a fatigue induced failure, or of intergranular stress corrosion cracking. According to Special (OVER)

FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
H (28)	0 0 0 (29)	N/A	B (31)	Inspection

ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)
Z (33)	Z (34)	N/A	N/A

PERSONNEL EXPOSURES

NUMBER	TYPE	DESCRIPTION (39)
0 0 0 (37)	Z (38)	N/A

PERSONNEL INJURIES

NUMBER	DESCRIPTION (41)
0 0 0 (40)	N/A

8409170579 840904
PDR ADOCK 05000249
S PDR

LOSS OF OR DAMAGE TO FACILITY (43)

TYPE	DESCRIPTION
Z (42)	N/A

PUBLICITY

ISSUED	DESCRIPTION (45)	NRC USE ONLY
N (44)	N/A	

IE22 1/1

NAME OF PREPARER S. Merritt PHONE (815) 942-2920 x421

Cause Description and Corrective Actions (Cont'd)

Process Procedures Manual section on general welding requirement for pipe socket welds, it states that prior to welding a socket weld there should be a minimum gap of 1/16" between the pipe and the socket to allow for weld shrinkage which will pull the pipe down into the socket. In this particular case, there was no clearance allowed at the joint, thus the drain line cracked at the socket weld. During the Unit 3 outage, the affected piping was removed and replaced with new low carbon stainless steel piping. The isolation valves were also removed and replaced. The welding was performed according to proper procedures. The original welding was performed during the original construction phase of the plant. Since the piping has been replaced, no further action is required,

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

September 4, 1984

DJS Ltr #84-869

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

Updated Reportable Occurrence Report #83-35/01X-1, Docket #050-249 is being submitted to your office in accordance with Dresden Nuclear Power Station Technical Specification 6.6.B.1.(c), abnormal degradation discovered in fuel cladding, reactor coolant pressure boundary, or primary containment. This update is being submitted to provide the exact cause of the "A" recirc pump bowl drain line leakage.

D.J. Scott
Station Superintendent
Dresden Nuclear Power Station

DJS/kjl

Enclosure

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

IE22
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SUPPLEMENT TO DVR

DVR NO.			
STA	UNIT.	YEAR	NO.
D - 12	- 3	- 83	- 70

PART 1 TITLE OF EVENT

Leakage from "A" Recirc Pump Bowl Drain Line

OCCURRED

10/4/83 DATE — 1200 TIME

REASON FOR SUPPLEMENTAL REPORT

To provide exact cause of leakage

PART 2

ACCEPTANCE BY STATION REVIEW — J. Brunner — T.A. Ciesla

DATE — 9/4/84 — 9/5/84

SUPPLEMENTAL REPORT APPROVED AND AUTHORIZED FOR DISTRIBUTION — Douglas Scott — 9/6/84

STATION SUPERINTENDENT — DATE