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

D. Sanlam

FILE

RECEIVED DISTRIBUTION SERVICES UNIT
1978 SEP 8 AM 11 55
US NRC DISTRIBUTION SERVICES BRANCH

August 28, 1978

BBS LTR #78-1223

James G. Keppler, Regional Director
Directorate of Regulatory Operations - Region III
U.S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137

Reportable Occurrence "Update Report" #78-017/01X-1, Docket #050-249 is being submitted to your office to correct the Cause Code and Cause Subcode (Items 12 and 13) used in the original Licensee Event Report 78-017/01T-0. The report concerned a potential problem which had been postulated with the designed logic system.

Only items (12) & (13) on the original report form have been reclassified to indicate a design error. No other changes have been made. This event was reported to you under Dresden Nuclear Power Station Technical Specification 6.6.B.1.(i), performance of structures, systems, or components that requires remedial action or corrective measures to prevent operation in a manner less conservative than assumed in the accident analyses in the safety analysis report or technical specifications bases; or discovery during plant life of conditions not specifically considered in the safety analysis report or technical specifications that require remedial action or corrective measures to prevent the existence or development of an unsafe condition.

B.B. Stephenson
Station Superintendent
Dresden Nuclear Power Station

BBS/deb

Enclosure

cc: Director of Inspection & Enforcement
Director of Management Information & Program Control
File/NRC

AUG 31 1978

A002
1/1

NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

Update Report Previous Report Date: 5/5/78

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

0 1	LICENSEE CODE: I L D R S 3 (2)	LICENSE NUMBER: 0 0 - 0 0 0 0 0 - 0 0 (3)	LICENSE TYPE: 4 1 1 1 1 (4)	CAT (5)
CON'T 0 1	REPORT SOURCE: L (6)	DOCKET NUMBER: 0 5 0 0 0 2 4 9 (7)	EVENT DATE: 0 4 2 1 7 8 (8)	REPORT DATE: 0 8 2 8 7 8 (9)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 During normal Unit 2 operation and routine Unit 3 refueling operations on April 21,

0 3 1978 the NRC requested immediate actions be taken to mitigate the potential for a

0 4 spurious closure of a recirculation loop suction valve. This situation has not been

0 5 previously analyzed and is reportable per section 6.6.B.1.(i) of the Technical

0 6 Specifications

0 7

0 8

	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
0 9	S F (11)	B (12)	A (13)	X X X X X X (14)	Z (15)	Z (16)

(17) LER/RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
	7 8	—	0 1 7	/	0 1	X	—	1

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS (22)	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
F (18)	Z (19)	Z (20)	Z (21)	0 0 0 0	Y (23)	N (24)	Z (25)	Z 9 9 9 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 On April 21, 1978, to comply with the NRC request a Mod. was initiated for each unit

1 1 which will defeat that portion of the LPCI Loop Select Logic which auto closes the

1 2 suction valves. This Mod. is presently pending SNED approval. As an interim solution

1 3 both recirc. loop suction valve circuit breakers will be taken O.O.S. in the open

1 4 position.

	FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
1 5	H (28)	0 0 0 (29)	NA	D (31)	NRC Notification

	ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)
1 6	Z (33)	Z (34)	NA	NA

PERSONNEL EXPOSURES

	NUMBER	TYPE	DESCRIPTION (39)
1 7	0 0 0 (37)	Z (38)	NA

PERSONNEL INJURIES

	NUMBER	DESCRIPTION (41)
1 8	0 0 0 (40)	NA

LOSS OF OR DAMAGE TO FACILITY (43)

	TYPE	DESCRIPTION
1 9	Z (42)	NA

PUBLICITY

	ISSUED	DESCRIPTION (45)	NRC USE ONLY
2 0	N (44)	NA	

NAME OF PREPARER J. Wujciga PHONE: 265

GPO 917-926

ATTACHMENT TO LICENSEE EVENT REPORT 78-017/01X-1
COMMONWEALTH EDISON COMPANY (CWE)
DRESDEN UNIT-3 (ILDRS-3)
DOCKET #050-249

During normal Unit 2 operation at 820MWe and routine Unit 3 refueling operations on April 21, 1978, the Nuclear Regulatory Commission (NRC) requested that adequate action be taken immediately to mitigate the potential for a spurious closure of a recirculation Loop Suction Valve with a LOCA occurring between the loop discharge and suction valves. This situation, which had not been considered in the current LOCA analysis, could decrease the reactor water inventory while reactor pressure remained high. Technical Specification 6.6.B.1.(i) requires reporting of performance of structures, systems, or components that requires remedial action or corrective measures to prevent operation in a manner less conservative than assumed in the accident analyses in the safety analysis report or technical specifications bases; or discovery during plant life of conditions not specifically considered in the safety analysis report or technical specifications that require remedial action or corrective measures to prevent the existence or development of an unsafe condition.

On April 21, 1978, to comply with the above NRC request, a modification was initiated for each unit. The modification will defeat only that portion of the Low Pressure Coolant Injection (LPCI) Loop Select Logic which automatically closes the recirculation loop suction valves. The Station Nuclear Engineering Department (SNED) is currently reviewing the modification. The Unit 3 modification will not be completed until a later unit outage of sufficient duration occurs following SNED approval. As an interim solution, both recirculation loop suction valve circuit breakers will be taken out-of-service with the valves in the open position. While in this condition the LPCI System will continue to function as originally analyzed. Operation of the suction valves will be permitted per operating order #27-78 if an operational event occurs which requires the suction valve to be closed. In this case both the loop discharge valve and discharge bypass valve will also be closed thereby isolating the recirculation loop.