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

October 22, 1979

BBS Ltr #79-837

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

Reportable Occurrence "Update Report" #79-033/03X-1, Docket #050-237 is hereby submitted to your office to supplement Licensee Event Report 79-033/03L-0 concerning the failure of 2C TIP machine to restart. It addresses the fact that the primary containment integrity was not violated because the reactor water temp. was below 212° F and the reactor mode switch was locked in shutdown for refueling. This event was reported to you under Dresden Nuclear Power Station Technical Specification 6.6.B.2.(b).

B. B. Stephenson
Station Superintendent
Dresden Nuclear Power Station

BBS:lcg

Enclosure

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

DUPLICATE

A002
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NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

Update Report:
Previous Report Date: 5/25/79

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

Line	Field	Entry
0 1	LICENSEE CODE (9–14) (2)	I L D R S 2
	LICENSE NUMBER (15–25) (3)	0 0 - 0 0 0 0 0 - 0 0
	LICENSE TYPE (26–30) (4)	4 1 1 1 1
	CAT (57–58) (5)	
CON'T 0 1	REPORT SOURCE (60) (6)	L
	DOCKET NUMBER (61–68) (7)	0 5 0 0 0 2 3 7
	EVENT DATE (69–74) (8)	0 4 2 8 7 9
	REPORT DATE (75–80) (9)	1 0 2 2 7 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 While performing DOS 1600-7 primary containment isolation valve surveillance, 2C TIP
0 3 machine failed to retract during Group 2 Isolation test. Since the reactor water
0 4 temp. was below 212 degrees fahrenheit and the Rx mode switch was locked in shutdown
0 5 for refueling, Primary containment integrity was not violated and the safety sig-
0 6 nificance was minimal. The failure of the TIP system was the first of its kind.
0 7
0 8

Line	Field	Entry
0 9	SYSTEM CODE (9–10) (11)	S D
	CAUSE CODE (11) (12)	E
	CAUSE SUBCODE (12) (13)	X
	COMPONENT CODE (13–18) (14)	R E L A Y X
	COMP. SUBCODE (19) (15)	A
	VALVE SUBCODE (20) (16)	Z
(17) LER/RO REPORT NUMBER	EVENT YEAR (21–22)	7 9
	(23)	—
	SEQUENTIAL REPORT NO. (24–26)	0 3 3
	(27)	/
	OCCURRENCE CODE (28–29)	0 3
	REPORT TYPE (30)	X
	(31)	—
	REVISION NO. (32)	1
	ACTION TAKEN (33) (18)	X
	FUTURE ACTION (34) (19)	Z
	EFFECT ON PLANT (35) (20)	Z
	SHUTDOWN METHOD (36) (21)	Z
	HOURS (37–40) (22)	0 0 0 0
	ATTACHMENT SUBMITTED (41) (23)	Y
	NPRD-4 FORM SUB. (42) (24)	N
	PRIME COMP. SUPPLIER (43) (25)	N
	COMPONENT MANUFACTURER (44–47) (26)	G 0 8 0

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 When 2C TIP was inserted and the ball valve opened, one of the ball valve limit
1 1 switches did not make-up, thereby deenergizing the 2C TIP machine control circuitry.
1 2 The TIP detector was handcranked into its shield. The failure could not be dupli-
1 3 cated on several attempts and the surveillance was successfully completed.
1 4

Line	Field	Entry
1 5	FACILITY STATUS (9) (28)	H
	% POWER (10–12) (29)	0 0 0
	OTHER STATUS (13–44) (30)	N/A
	METHOD OF DISCOVERY (45) (31)	B
	DISCOVERY DESCRIPTION (46–80) (32)	Containment Isolation Surveillance
1 6	ACTIVITY RELEASED (9) (33)	Z
	CONTENT OF RELEASE (10) (34)	Z
	AMOUNT OF ACTIVITY (11–44) (35)	NA
	LOCATION OF RELEASE (45–80) (36)	NA
1 7	PERSONNEL EXPOSURES NUMBER (9–11) (37)	0 0 0
	TYPE (12) (38)	Z
	DESCRIPTION (13–80) (39)	NA
1 8	PERSONNEL INJURIES NUMBER (9–11) (40)	0 0 0
	DESCRIPTION (12–80) (41)	NA
1 9	LOSS OF OR DAMAGE TO FACILITY TYPE (9) (42)	Z
	DESCRIPTION (10–80) (43)	NA
2 0	PUBLICITY ISSUED (9) (44)	N
	DESCRIPTION (10–68) (45)	NA
	NRC USE ONLY (69–80)	

NAME OF PREPARER Shafic Badran PHONE: Dresden X-265/421

GPO 917-926

ATTACHMENT TO LICENSEE EVENT REPORT 79-33/03X-1
COMMONWEALTH EDISON COMPANY (CWE)
DRESDEN UNIT (ILDRS 2)
DOCKET # 050-237

While performing DOS 1600-7, Primary Containment Isolation Valve Procedure, 2 C TIP Machine failed to retract during the group 2 Isolation portion of the test. As is required during a Group II isolation, any TIP not in the chamber shield is automatically transferred to Manual Reverse mode of operation. When the detector is In-Shield as indicated by the ball limit switch, the ball valve will close. The primary containment integrity was not violated because the reactor water temp. was below 212 degrees fahrenheit with the reactor mode switch locked in shutdown. The safety implications to this event were considered minimal because the unit was shutdown for refueling and in the shutdown mode of operation.

All TIP detectors had been inserted a small amount past the shield for the test. The ball valves opened as designed. However, one of the two ball valve limit switches for "C" TIP detector did not make-up and this de-energized the drive logic, as designed, so that the TIP detector could not be automatically or remote manually driven either forward or reverse, from the control room. The detector remained in its position and failed to withdraw when required via DOS 1600-7.

The TIP detector was handcranked back to the chamber shield to provide the required primary containment isolation. The ball valve limit switch was tested several times after this event, but the same incident could not be re-created.