

LICENSEE EVENT REPORT

CONTROL BLOCK: 1 2 3 4 5 6

[PLEASE PRINT ALL REQUIRED INFORMATION]

LICENSEE NAME 01 I L D R S 3	LICENSE NUMBER 0 0 - 0 0 0 0 0 - 0 0	LICENSE TYPE 4 1 1 1 1	EVENT TYPE 0 1
CATEGORY 01 CONT	REPORT TYPE T	REPORT SOURCE L	DOCKET NUMBER 0 5 0 - 0 2 4 9
EVENT DATE 1 1 9 7 6	REPORT DATE 1 2 0 2 7 6		

EVENT DESCRIPTION

02 AS A RESULT OF THE 2301-8 HPCI INJECTION VALVE STEM FAILURE
03 THAT WAS RECENTLY DISCOVERED ON UNIT-2 (R.O. REPORT NO. 50-
04 237/1976-66), A HPCI LOGIC DESIGN WIRING PROBLEM WAS IDEN-
05 TIFIED WHICH WAS BELIEVED TO BE COMMON TO BOTH UNIT-2 AND
06 UNIT-3. THE WIRING ERROR, WHICH DID IN FACT EXIST ON UNIT-3,
07 (SEE ATTACHED SHEET)

SYSTEM CODE 07 S F	CAUSE CODE B	COMPONENT CODE V A L V E X	PRIME COMPONENT SUPPLIER N	COMPONENT MANUFACTURER C 6 6 5	VIOLATION N
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CAUSE DESCRIPTION

08 VALVE MO 3-2301-8 WAS RACKED OUT OF SERVICE IN THE OPEN POSI-
09 TION, AND VALVE 2301-9 WAS CLOSED TO ISOLATE THE HPCI PUMP DISCHARGE.
10 DURING THE NEXT SCHEDULED UNIT OUTAGE, THE STEM OF VALVE
11 (SEE ATTACHED SHEET)

FACILITY STATUS 11 E	% POWER 0 9 4	OTHER STATUS NA	METHOD OF DISCOVERY D	DISCOVERY DESCRIPTION NA
FORM OF ACTIVITY RELEASED 12 Z	CONTENT OF RELEASE Z	AMOUNT OF ACTIVITY NA	LOCATION OF RELEASE NA	

PERSONNEL EXPOSURES

NUMBER 13 0 0 0	TYPE Z	DESCRIPTION NA
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PERSONNEL INJURIES

NUMBER 14 0 0 0	DESCRIPTION NA
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OFFSITE CONSEQUENCES

15 NA

LOSS OR DAMAGE TO FACILITY

TYPE 16 Z	DESCRIPTION NA
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PUBLICITY

17 NA

ADDITIONAL FACTORS

18 NA

8306100282 761202
 PDR ADOCK 05000249
 S PDR

19

NAME: TERRANCE E. LANG

PHONE: EXT. 433

EVENT DESCRIPTION (Continued)

may have caused the 2301-8 valve to oscillate open/closed during refueling surveillance testing of the HPCI turbine trip circuitry. It had been determined prior to the Unit-2 failure that the motor operators for valve 2301-8 and several other safety-related valves were oversized for the valve applications. It is conceivable that the oversized operator might subject the valve stem to higher stresses under conditions such as excessive cycling. To preclude a failure of the 2301-8 valve in the closed position, the valve was opened and racked out of service. This is not a repetitive occurrence. (50-249/1976-34)

CAUSE DESCRIPTION (Continued)

3-2301-8 will be inspected and, if necessary, replaced.

A modification request has been submitted to alter the 2301-8 valve control circuitry so as to eliminate excessive cycling during routine surveillance testing. Furthermore, a modification request has been initiated to replace the motor operators on several safety-related valves with reduced-capacity units. Completion of this modification will preclude valve stem overstressing which might result from oversized motor operators. Valve MO 3-2301-8 is a Crane 14-inch gate valve, equipped with a Limitorque SMB-4 motor operator rated at 200 ft.-lb.



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

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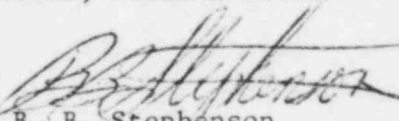
BBS Ltr. #76-844

December 2, 1976



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

Enclosed please find Reportable Occurrence report number 50-249/1976-34.
This report is being submitted to your office in accordance with the Dresden
Nuclear Power Station Technical Specifications, Section 6.6.B.


B. B. Stephenson
Station Superintendent
Dresden Nuclear Power Station

BBS:jo

Enclosure

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

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