

LICENSEE EVENT REPORT

CONTROL BLOCK:

(PLEASE PRINT ALL REQUIRED INFORMATION)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| LICENSEE NAME | | | | | | | | | | | | | | LICENSE NUMBER | | | | | | | | | | | | LICENSE TYPE | | | | | | EVENT TYPE | | | |
| 01 I L D R S 3 | | | | | | | | | | | | | | 00-000000-00 | | | | | | | | | | | | 411111 | | | | | | 03 | | | |
| 7 8 9 14 15 25 26 30 31 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CATEGORY | | | | REPORT TYPE | | | | REPORT SOURCE | | | | DOCKET NUMBER | | | | | | | | | | | | EVENT DATE | | | | | | REPORT DATE | | | | | |
| 01 CONT | | | | L | | | | L | | | | 050-0249 | | | | | | | | | | | | 092176 | | | | | | 102076 | | | | | |
| 7 8 57 58 | | | | 59 60 | | | | 61 68 69 74 75 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

EVENT DESCRIPTION

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| 02 DURING REFUELING OUTAGE LOCAL LEAK-RATE TESTING, FEEDWATER CHECK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 VALVES 3-220-58A AND -62A EXHIBITED LEAK RATES OF 84.3 AND 61% SCFH RESPECTIVELY (TECH SPEC LIMIT: 29.381 SCFH). A FEW DAYS LATER, | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 THESE CHECK VALVES WERE PRESSURIZED TO 500 PSIG IN AN ATTEMPT TO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05 BETTER APPROXIMATE ACCIDENT CONDITIONS. SUBSEQUENT RETESTING OF VALVES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 (SEE ATTACHED SHEET) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| SYSTEM CODE | | | | | | | | | | CAUSE CODE | | | | | | | | | | COMPONENT CODE | | | | | | | | | | PRIME COMPONENT SUPPLIER | | | | | | | | | | COMPONENT MANUFACTURER | | | | | | | | | | VIOLATION | | | | | | | | | |
| 07 C H | | | | | | | | | | E | | | | | | | | | | V A L V E X | | | | | | | | | | A | | | | | | | | | | C 6 6 5 | | | | | | | | | | Y | | | | | | | | | |
| 7 8 9 10 11 12 17 43 44 47 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

CAUSE DESCRIPTION

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| 08 THE INITIAL LLRT FAILURE OF VALVE 3-220-58A WAS APPARENTLY CAUSED BY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09 DIRT IN THE SEATING AREA, WHICH RESULTED IN EXCESSIVE DISC-TO-SEAT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 CLEARANCES. PRESSURIZING THE VALVE WITH WATER EFFECTIVELY REDUCED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (SEE ATTACHED SHEET) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| FACILITY STATUS | | | | | | | | | | % POWER | | | | | | | | | | OTHER STATUS | | | | | | | | | | METHOD OF DISCOVERY | | | | | | | | | | DISCOVERY DESCRIPTION | | | | | | | | | |
| 11 H | | | | | | | | | | 000 | | | | | | | | | | NA | | | | | | | | | | B | | | | | | | | | | NA | | | | | | | | | |
| 7 8 9 10 12 13 44 45 46 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORM OF ACTIVITY RELEASED | | | | | | | | | | CONTENT OF RELEASE | | | | | | | | | | AMOUNT OF ACTIVITY | | | | | | | | | | LOCATION OF RELEASE | | | | | | | | | | | | | | | | | | | |
| 12 Z | | | | | | | | | | Z | | | | | | | | | | NA | | | | | | | | | | NA | | | | | | | | | | | | | | | | | | | |
| 7 8 9 10 11 44 45 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PERSONNEL EXPOSURES

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| NUMBER | | | | | | | | | | TYPE | | | | | | | | | | DESCRIPTION | | | | | | | | | |
| 13 000 | | | | | | | | | | Z | | | | | | | | | | NA | | | | | | | | | |
| 7 8 9 11 12 13 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PERSONNEL INJURIES

| | | | | | | | | | | | | | | | | | | | |
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| NUMBER | | | | | | | | | | DESCRIPTION | | | | | | | | | |
| 14 000 | | | | | | | | | | NA | | | | | | | | | |
| 7 8 9 11 12 80 | | | | | | | | | | | | | | | | | | | |

OFFSITE CONSEQUENCES

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 15 NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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LOSS OR DAMAGE TO FACILITY

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| TYPE | | | | | | | | | | DESCRIPTION | | | | | | | | | |
| 16 Z | | | | | | | | | | NA | | | | | | | | | |
| 7 8 9 10 80 | | | | | | | | | | | | | | | | | | | |

PUBLICITY

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 17 NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 8 9 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

ADDITIONAL FACTORS

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| 18 NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 8 9 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

NAME: EDWARD L. SECKINGER

PHONE: EXT. 265

EVENT DESCRIPTION (Continued)

3-220-58A and -62A yielded leak rates of 20.0 and 5220 SCFH respectively. Since the leakage through valve 3-220-58A was reduced to a value below Tech Spec limits, no further action was necessary. Valve -62A was disassembled and repaired.

Redundant valves were available and operable during unit operation. This is a repetitive occurrence. (50-249/1976-18)

CAUSE DESCRIPTION (Continued)

these clearances sufficiently to permit a satisfactory disc-to-seat seal.

Disassembly of valve 3-220-62A revealed that, in addition to having dirt in the seating area, the valve also had worn disc assembly pins which resulted in an imprecise disc-to-seat alignment. The valve was cleaned, and the disc assembly and seal ring were replaced. Following reassembly, valve -62A was retested, and a leak rate of 1.84 SCFH was obtained.

Because of the high incidence of initial LLRT failures on the feedwater check valves, the station is currently reevaluating the method of testing these valves. The significant improvement in LLRT results which are obtained after the valves have been back-seated with water indicates that the present testing method does not allow an adequate determination of how these valves will perform under accident conditions. Valves 3-220-58A and -62A are 18-inch, tilting disc check valves manufactured by Crane Company.



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

FILE COPY

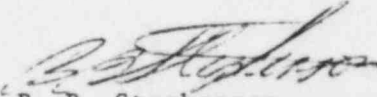
BBS Ltr. #76-748

October 21, 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 50-249/1976-18.
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

COPY SENT REGION 

10892