



Commonwealth Edison

Dresden Nuclear Power Station

R.R. #1

Morris, Illinois 60450

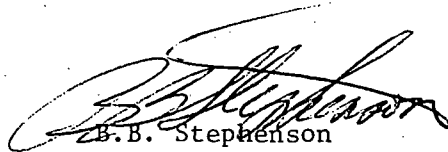
Telephone 815/942-2920

February 20, 1979

BBS LTR #79-168

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 Report #79-09/03L-0, Docket #050-237 is hereby submitted to your office in accordance with Dresden Nuclear Power Station Technical Specification 6.6.B.2.(b), conditions leading to operation in a degraded mode permitted by a limiting condition for operation or plant shutdown required by a limiting condition for operation.



B.B. Stephenson
Station Superintendent
Dresden Nuclear Power Station

BBS:lbg

Enclosure

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

7902270341

A002
S/1
5

LICENSEE EVENT REPORT

CONTROL BLOCK: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 I L D R S 2 2 0 0 - 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
 LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT 58

CON'T

0 1 REPORT SOURCE L 6 0 5 0 0 0 2 3 7 7 0 1 2 1 7 9 8 0 2 2 0 7 9 9
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
 DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 While Unit 2 was in steady state operation and Unit 3 was in cold shut down, it was
 0 3 found that the plant chimney sampling system was operating incorrectly. Since the
 0 4 steam jet air ejector monitors were operable the safety significance of this event is
 0 5 minimal.
 0 6
 0 7
 0 8

0 9 SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
 M C 11 E 12 B 13 V A L V E X 14 D 15 D 16
 17 LER/RO REPORT NUMBER EVENT YEAR SEQUENTIAL REPORT NO. OCCURRENCE CODE REPORT TYPE REVISION NO.
 21 22 23 24 25 26 27 28 29 30 31 32
 7 9 0 0 9 0 3 L 0
 ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPRD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER
 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
 A 18 Z 19 Z 20 Z 21 0 0 0 0 Y 23 N 24 A 25 A 4 9 9 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 It was found that the purge valve V2 was stuck open, thus continuously drawing air
 1 1 from the turbine building into the system. The replaced valve was inadvertently in-
 1 2 stalled backwards, still allowing building air to be drawn in. Following repair
 1 3 system flow still low due to plugged filter. Installation of condensate drain to
 1 4 eliminate moisture saturation of filters is under investigation.

1 5 FACILITY STATUS % POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
 E 28 0 7 6 29 U3 Shutdown B 31 Found during activity sampling
 1 6 ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY LOCATION OF RELEASE
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
 Z 33 Z 34 NA NA
 1 7 PERSONNEL EXPOSURES NUMP'R TYPE DESCRIPTION
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
 0 0 0 37 Z 38 NA
 1 8 PERSONNEL INJURIES NUMBER DESCRIPTION
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
 0 0 0 40 NA
 1 9 LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
 Z 42 NA
 2 0 PUBLICITY ISSUED DESCRIPTION
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
 N 44 NA

NRC USE ONLY

7902270352

NAME OF PREPARER: Joe Chan

PHONE: X 421

ATTACHMENT TO LICENSEE EVENT REPORT 79-09/03L-0
COMMONWEALTH EDISON COMPANY (CWE)
DRESDEN UNIT -2 (ILDRS-2)
DOCKET # 050-237

While Unit 2 was in steady state operation and Unit 3 was in cold shutdown, it was determined the plant chimney sampling system was not operating correctly. Since the steam jet air ejector monitors were operable, the safety significance of this event was minimal.

On 1/21/79, a work request was initiated to investigate the problem. It was found that the purge valve V2 was stuck open, allowing turbine building air to be continuously drawn into the system. The valve was replaced and the valve which was removed was disassembled. It was found that the valve stem was bent. On 1/24/79, another investigation of a low flow problem revealed that the valve which had just been replaced had been installed backwards, and once again was allowing air from the Turbine Building to be drawn into the system.

Despite the repair of the purge valve, a low flow problem persisted. Further investigation showed that the particulate filter became plugged very frequently. Water stains could be found on the filters and the filter holder. Apparently the moisture of the warm air from the chimney condensed in the sampling pipe due to the extreme cold weather. It was found that in the original design of the system there was a loop drain. Apparently in a later modification, the drain was replaced by a heater. It is believed that this heater cannot handle the excessive condensation caused by the recent excessively cold weather. An investigation is under way to determine if there is a need to reinstall the loop drain. Until the low flow problem is corrected, the filter will be changed more frequently, to avoid moisture saturation.