

LICENSEE EVENT REPORT

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

0 1 | I | L | D | R | S | I | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | 5
8 9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 57 CAT 58

CON'T
0 1 | REPORT SOURCE | L | 6 | 0 | 5 | 0 | 0 | 0 | 0 | 1 | 0 | 7 | 1 | 0 | 1 | 7 | 7 | 7 | 8 | 1 | 1 | 0 | 3 | 7 | 7 | 9
8 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)
0 3 | During monthly surveillance DIS 700-4 Channel #1 (RIC-281) found to trip at 132%.
0 3 | Tech Spec table 3.1.1.c requires high neutron flux trip of <=123% of scale Safety
0 4 | significance minimal because remaining two channels (#3,#5) of "A" trip channel were
0 5 | operable within required tech spec range (T.S.3.1). "B" trip channel unaffected.
0 6 | Previous occurrence reported under 50-010/77-3, 12, 13 and 31; 50-010/76-8 and 18.
0 7 |
0 8 |

0 9 | SYSTEM CODE | I | A | 11 | CAUSE CODE | E | 12 | CAUSE SUBCODE | G | 13 | COMPONENT CODE | I | N | S | T | R | U | 14 | COMP. SUBCODE | E | 15 | VALVE SUBCODE | Z | 16
9 10 11 12 13 14 15 16 17 18 19 20

17 | LER/RO REPORT NUMBER | EVENT YEAR | 7 | 7 | SHUTDOWN METHOD | - | SEQUENTIAL REPORT NO. | 0 | 4 | 0 | OCCURRENCE CODE | / | REPORT TYPE | L | REVISION NO. | 0
21 22 23 24 25 26 27 28 29 30 31 32

ACTION TAKEN | E | 18 | FUTURE ACTION | Z | 19 | EFFECT ON PLANT | Z | 20 | SHUTDOWN METHOD | Z | 21 | HOURS | 0 | 0 | 0 | 0 | 22 | ATTACHMENT SUBMITTED | Y | 23 | NPRD-4 FORM SUB. | N | 24 | PRIME COMP. SUPPLIER | N | 25 | COMPONENT MANUFACTURER | G | 0 | 8 | 0 | 26
33 34 35 36 37 38 39 40 41 42 43 44 45

CAUSE-DESCRIPTION AND CORRECTIVE ACTIONS (27)
1 0 | Cause due to instrument drift. Trip setpoint readjusted to 115%. High neutron lux
1 1 | monitors will continue to be tested monthly per DIS 700-4 to verify operability. In
1 2 | addition, previous drift problems will be analyzed and a new setpoint determined to
1 3 | eliminate recurrence. Monitors are manufactured by General Electric catalog No.
1 4 | 534E745G4.

FACILITY STATUS | E | 28 | % POWER | 0 | 6 | 4 | 29 | OTHER STATUS | 0 | 30 | METHOD OF DISCOVERY | B | 31 | DISCOVERY DESCRIPTION | 32 | Surveillance Test
1 5 | 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

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

PERSONNEL EXPOSURES | NUMBER | 0 | 0 | 0 | 37 | TYPE | Z | 38 | DESCRIPTION | 39 | NA
1 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

PERSONNEL INJURIES | NUMBER | 0 | 0 | 0 | 40 | DESCRIPTION | 41 | NA
1 8 | 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

LOSS OF OR DAMAGE TO FACILITY | TYPE | Z | 42 | DESCRIPTION | 43 | NA
1 9 | 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

ISSUED | N | 44 | DESCRIPTION | 45 | 8009290 533 | NA
2 0 | 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

ATTACHMENT TO LICENSEE EVENT REPORT 77-040/03L-0
COMMONWEALTH EDISON COMPANY (CWE)
DRESDEN UNIT 1 (ILDRS-1)
DOCKET # 050-0010

While performing high neutron flux monthly surveillance DIS 700-4 Channel #1 (RIC 281) was found to trip at 132%. Three high neutron flux instrument channels are provided for each trip system. High Neutron Flux Instrument Channels #1, #3, #5 operate contacts in the "A" trip channel and Instrument Channels #2, #4, #6 operate contacts in the "B" trip channel. Tech Spec 3.1 maintains that a minimum of two channels per trip channel must be operable. The inability of Channel #1 to trip at the designated limit did not pose any safety implications because the remaining two channels (Ch #3, 5) of the "A" trip channel remained operable. The "B" trip channel was unaffected. The micromicroammeter is manufactured by General Electric Catalogue No. 534E745G4. Tech Spec Table 3.1.1.C require a High Neutron Flux Trip of \leq 123% of scale. The Dresden setpoint is 114 to 116% increasing.

This is a repetitive occurrence as reported under 50-010/1977-3,12,13 and 31; 50-010/1976-8 and 18.

The trip setpoint was readjusted to 115%. The cause was attributed to instrument drift. The trip setpoints will continue to be tested per monthly surveillance DIS 700-4 to verify operability below the 123% Tech Spec limit.

In addition, previous drift problems will be analyzed and a new setpoint determined to eliminate recurrence.

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER
INCIDENT REPORT

TO: James G. Keppler

FROM: Commonwealth Edison
Morris, Illinois 60450
B. B. Stephenson

DATE OF DOCUMENT
11/03/77

DATE RECEIVED
11/16/77

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DESCRIPTION

PLANT NAME: Dresden Unit No. 1 (1-P)
RJL 11/17/77

ENCLOSURE

Licensee Event Report (RO 50-010/77-40/03L-0) on 10/17/77 concerning the inability of Channel #1 to trip at the designated limit, ... while performing high neutron flux monthly surveillance DIS 700-4.....

(1-P)+(1-P)
NOTE: IF PERSONNEL EXPOSURE IS INVOLVED SEND DIRECTLY TO KREGER/J. COLLINS

FOR ACTION/INFORMATION

BRANCH CHIEF:	DAVIS
W/ 4 CYS FOR ACTION	
 :	

INTERNAL DISTRIBUTION

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I & E (2)			
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SCHROEDER/ IPPOLITO			
HOUSTON			
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KNIGHT			
BUTLER			
HANAUER			
TEDESCO			
EISENHUT			
BAER			
SHAO			
VOLLMER/BUNCH			
KREGER/ J. COLLINS			
FOSEA			
CROCKER			

EXTERNAL DISTRIBUTION

CONTROL NUMBER

POOR ORIGINAL

TIC
N. LC
ACKS (16) CYS SENT AS CAT. B