

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8001150572 DOC.DATE: 80/01/07 NOTARIZED: NO DOCKET #  
 FACIL:50-331 Duane Arnold Energy Center, Iowa Electric Light & Pow 05000331  
 AUTH.NAME AUTHOR AFFILIATION  
 ZIMMERMAN,J.C. Iowa Electric Light & Power Co.  
 RECIP.NAME RECIPIENT AFFILIATION  
 Region 3, Chicago, Office of the Director

SUBJECT: LER 79-037/01T-0:791225,during control room panel  
 surveillance testing,both channels of core spray sparger  
 break detection alarm sys lost.Caused by blown fuse.Fuse  
 replaced.

DISTRIBUTION CODE: A002S COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 1+2  
 TITLE: Incident Reports

NOTES:

ACTION:	RECIPIENT ID CODE/NAME	COPIES		RECIPIENT ID CODE/NAME	COPIES	
		LTR	ENCL		LTR	ENCL
	05 BC <i>ORB #3</i>	4	4			
INTERNAL:	01 <u>REG FILE</u>	1	1	02 NRC PDR	1	1
	09 <u>IRE</u>	2	2	11 MPÄ	3	3
	14 TAZEDO	1	1	15 NOVAK/KNIEL	1	1
	16 EEB	1	1	17 AD FOR ENGR	1	1
	18 PLANT SYS BR	1	1	19 I&C SYS BR	1	1
	20 AD PLANT SYS	1	1	22 REAC SAFT BR	1	1
	23 ENGR BR	1	1	24 KREGER	1	1
	25 PWR SYS BR	1	1	26 AD/SITE ANAL	1	1
	27 OPERA LIC BR	1	1	28 ACCIDENT ANLYS	1	1
	29 AUX SYS BR	1	1	E JORDAN/IE	1	1
	HANAUER,S.	1	1	R IRELAND	3	3
	STS GROUP LEADR	1	1			
EXTERNAL:	03 LPDR	1	1	04 NSIC	1	1
	29 AGRS	16	16			

JAN 17 1980

*60*  
A04

LICENSEE EVENT REPORT

CONTROL BLOCK: \_\_\_\_\_ (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 | I | A | D | A | C | I | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 5 |  
8 9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE JO 57 CAT 58 (5)

CON'T  
0 1 | REPORT SOURCE | 6 | 0 | 5 | 0 | 10 | 0 | 3 | 3 | 1 | 7 | 1 | 1 | 2 | 2 | 5 | 7 | 9 | 3 | 0 | 1 | 0 | 7 | 8 | 0 | 9 |  
7 8 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | During control room panel surveillance testing, a fuse was blown in the  
0 3 | power supply to annunciator panels 1C-03, 04 and 05 causing a loss of  
0 4 | both channels of the core spray sparger break detection alarm system.  
0 5 | This was in violation of T.S.3.2.B. The need to bring the reactor to a  
0 6 | cold shutdown condition within 24 hours was recognized. Audio and visu  
0 7 | al alarm indication was lost for approximately 3 hours. No previous  
0 8 | similar occurrences.

0 9 | SYSTEM CODE | CAUSE CODE | CAUSE SUBCODE | COMPONENT CODE | COMP. SUBCODE | VALVE SUBCODE |  
9 10 11 12 13 18 19 20  
I | D | E | F | A | N | N | U | N | C | Z | Z |  
17 | LER/RO REPORT NUMBER | EVENT YEAR | SEQUENTIAL REPORT NO. | OCCURRENCE CODE | REPORT TYPE | REVISION NO. |  
21 22 23 24 26 27 28 29 30 31 32  
7 | 9 | | 0 | 3 | 7 | / | 0 | 1 | T | | 0 |  
ACTION TAKEN | FUTURE ACTION | EFFECT ON PLANT | SHUTDOWN METHOD | HOURS | ATTACHMENT SUBMITTED | NPRO-4 FORM SUB. | PRIME COMP. SUPPLIER | COMPONENT MANUFACTURER |  
33 34 35 36 37 40 41 42 43 44 47  
A | Z | Z | Z | 0 | 0 | 0 | 0 | 0 | Y | N | N | X | 9 | 9 | 9 |

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | Fuse failure due to the natural end of life of the component. The fuse  
1 1 | was a 125 volt Bussman single blow fuse. The fuse was promptly replaced  
1 2 | and the affected panels functionally tested with satisfactory results.  
1 3 | No further corrective action is planned at this time.

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  
E | 0 | 8 | 8 | NA | B | Surveillance Testing  
1 6 | ACTIVITY CONTENT | AMOUNT OF ACTIVITY | LOCATION OF RELEASE |  
7 8 9 10 11 12 13 14 15 16 17 18 19 20  
7 | 7 | NA | NA  
1 7 | PERSONNEL EXPOSURES | DESCRIPTION |  
7 8 9 10 11 12 13 14 15 16 17 18 19 20  
0 | 0 | 0 | Z | NA  
1 8 | PERSONNEL INJURIES | DESCRIPTION |  
7 8 9 10 11 12 13 14 15 16 17 18 19 20  
0 | 0 | 0 | NA  
1 9 | LOSS OF OR DAMAGE TO FACILITY | DESCRIPTION |  
7 8 9 10 11 12 13 14 15 16 17 18 19 20  
7 | 7 | NA  
2 0 | PUBLICITY ISSUED | DESCRIPTION |  
7 8 9 10 11 12 13 14 15 16 17 18 19 20  
N | NA

8001150572

NRC USE ONLY

NAME OF PREPARER J. C. Zimmerman

PHONE: 319-851-5611

DUANE ARNOLD ENERGY CENTER

Iowa Electric Light and Power Company

LICENSEE EVENT REPORT-Supplemental Data

Docket No. 050-0331

Licensee Event Report Date: .

Reportable Occurrence No: 79-037

Event Description:

During the performance of control room panel surveillance testing, a fuse was blown in the power supply to annunciator panels IC-03, 04 and 05. This caused a loss of both channels of the Core Spray Sparger Break Detection Alarm System. Since one channel is required to be functional at all times, T.S.3.2.B was violated. Both audio and visual alarm indication was unavailable for approximately 3 hours. The need to bring the reactor to cold shutdown condition within 24 hours was recognized. There have been no previous similar occurrences.

Cause:

The cause of the fuse failure has been attributed to natural end of life. The fuse was a Bussman 125V single blow fuse.

Corrective Action:

The fuse was promptly replaced and the affected panels were functionally tested with satisfactory results. No further corrective action is planned at this time.