

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:7908310498 DOC.DATE: 79/08/27 NOTARIZED: NO DOCKET #
 FACIL:50-331 Duane Arnold Energy Center, Iowa Electric Light & Pow 05000331
 AUTH.NAME AUTHOR AFFILIATION
 VAN SICKEL,J. Iowa Electric Light & Power Co.
 RECIP.NAME RECIPIENT AFFILIATION
 Region 3, Chicago, Office of the Director

SUBJECT: LER 79-019/03L-0 on 790728:following power increase by
 approved procedures,critical power ratio was found at 1.364
 Tech Spec limit.Caused by Xenon transient.Causing thermal
 power increase.

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

NOTES: -----

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| | | LTTR | ENCL | | LTTR | ENCL |
| | 05 BC <u>ORB#3</u> | 4 | 4 | | | |
| INTERNAL: | 01 REG FILE | 1 | 1 | 02 NRC PDR | 1 | 1 |
| | 09 I&E | 2 | 2 | 11 MPA | 3 | 3 |
| | 14 TA/EDO | 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 ACIDENT ANLYS | 1 | 1 |
| | 29 AUX SYS BR | 1 | 1 | E. JORDAN/IE | 1 | 1 |
| | HANAUER,S. | 1 | 1 | STS GROUP LEADR | 1 | 1 |
| | TMI-H STREET | 1 | 1 | | | |
| EXTERNAL: | 03 LPDR | 1 | 1 | 04 NSIC | 1 | 1 |
| | 29 ACRS | 16 | 16 | | | |

SEP 4 1979

TOTAL NUMBER OF COPIES REQUIRED: LTTR 48 ENCL 48

60 Rod

LICENSEE EVENT REPORT

CONTROL BLOCK:

| | | | | | | |
|--|--|--|--|--|--|--|
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1

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

7 8 9 14 15 25 26 30 35 36

0 1 I A D A C 1 2 0 0 - 0 0 0 0 0 0 - 0 0 3 4 1 1 1 1 1 1 4 5

LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT

CON'T

7. 0 1 8
REPORT SOURCE L 6 0 5 0 0 0 3 3 1 7 0 7 2 8 7 9 8 0 8 2 7 7 9 9
60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 Following a power increase in accordance with approved procedures, CPR
0 3 was found to be at the flow adjusted 1.364 Tech. Spec. limit. In order t
0 4 o gain margin core flow was decreased from 62 percent to 48 percent in p
0 5 reparation for driving control rods. CPR was again checked and found to
0 6 be 1.430, below the flow adjusted 1.436 T.S. limit. Four control rods we
0 7 re inserted from position 18 to position 12 within 6 minutes. CPR was ag
0 8 ain checked and found to be 1.588, well above the 1.436 T.S. limit.

[illegible]

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 This occurrence was the result of a Xenon transient causing thermal po
1 1 wer to increase. Corrective actions to increase CPR were proper and wel
1 2 l within the time limits specified in Technical Specifications Paragraph
1 3 3.12.C. The plant has been and will continue to be operated in a manner
1 4 which will minimize this type of occurrence.

1 5 FACILITY STATUS F 28 0 7 8 29 OTHER STATUS NA 30 METHOD OF DISCOVERY A 31 DISCOVERY DESCRIPTION Operator Observation 32

ACTIVITY CONTENT
RELEASED OF RELEASE AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36)

1 6 Z Z NA NA

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

| PERSONNEL EXPOSURES | | | | | | | | | |
|---------------------|---|--|------|-------------|---|------|---|------|----|
| NUMBER | | | TYPE | DESCRIPTION | | | | | |
| 1 | 7 | | 0 | 0 | 0 | (37) | Z | (38) | NA |

| PERSONNEL INJURIES | | 80 |
|--------------------|-------------|----|
| NUMBER | DESCRIPTION | |
| 00040 | NA | |

| 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 | |
|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|
| 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 | |
| 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 | |
| 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 | |
| 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 | |
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8 9 10 30
PUBLICATION
ISSUED DESCRIPTION (45) NA NRC USE ONLY
2 0 N (44)

NAME OF PREPARER

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