NRC FORM 366
(7-77)

U. S. NUCLEAR REGULATORY COMMISSION

CENSEE EVENT REPORT

CONTROL BLOCK: | | | | | | | ① 1 6 (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 | 7 8 | M I D C C 1 ② 9 LICENSEE CODE 14 | 0 0 0 0 0 0 0 0 0 0 0 ③ 15 LICENSE NUMBER 25 | 4 1 1 1 1 ④ 26 LICENSE TYPE 30 | ⑤ 57 CAT 58

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES ⑩

0 2 | WHILE PERFORMING THE 18 MONTH VISUAL INSPECTION OF THE PENETRATION FIRE
0 3 | BARRIERS IN ACCORDANCE WITH TECHNICAL SPECIFICATION 4.7.10A, SEVERAL
0 4 | BARRIERS WERE IDENTIFIED AS NONFUNCTIONAL.
0 5 |
0 6 |
0 7 |
0 8 |
7 8 9 80

0 9 | 7 8 | SYSTEM CODE A B ⑪ 9 10 | CAUSE CODE X ⑫ 11 | CAUSE SUBCODE X ⑬ 12 | COMPONENT CODE Z Z Z Z Z Z ⑭ 13 18 | COMP. SUBCODE Z ⑮ 19 | VALVE SUBCODE Z ⑯ 20

⑰ LER/RO REPORT NUMBER | EVENT YEAR 7 9 21 22 | — 23 | SEQUENTIAL REPORT NO. 0 5 5 24 26 | / 27 | OCCURRENCE CODE 0 3 28 29 | REPORT TYPE L 30 | — 31 | REVISION NO. 0 32

ACTION TAKEN X ⑱ 33 | FUTURE ACTION X ⑲ 34 | EFFECT ON PLANT Z ⑳ 35 | SHUTDOWN METHOD Z ㉑ 36 | HOURS ㉒ 0 0 0 0 37 40 | ATTACHMENT SUBMITTED N ㉓ 41 | NPRD-4 FORM SUB. N ㉔ 42 | PRIME COMP. SUPPLIER A ㉕ 43 | COMPONENT MANUFACTURER Z 9 9 9 ㉖ 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS ㉗

1 0 | AT PRESENT, THE INVESTIGATION AND CORRECTIVE ACTION IS CONTINUING AND
1 1 | A FOLLOW-UP REPORT WILL BE SUBMITTED UPON COMPLETION.
1 2 |
1 3 |
1 4 |
7 8 9 80

1 5 | 7 8 | FACILITY STATUS E ㉘ 9 | % POWER 1 0 0 ㉙ 10 12 | OTHER STATUS ㉚ N/A 13 44 | METHOD OF DISCOVERY B ㉛ 45 | DISCOVERY DESCRIPTION ㉜ SURVEILLANCE TEST 46 80

1 6 | 7 8 | ACTIVITY RELEASED Z ㉝ 9 | CONTENT OF RELEASE Z ㉞ 10 | AMOUNT OF ACTIVITY ㉟ N/A 11 44 | LOCATION OF RELEASE ㊱ N/A 45 80

PERSONNEL EXPOSURES
1 7 | 7 8 | NUMBER 0 0 0 ㊲ 9 11 | TYPE Z ㊳ 12 | DESCRIPTION ㊴ N/A 13 80

PERSONNEL INJURIES
1 8 | 7 8 | NUMBER 0 0 0 ㊵ 9 11 | DESCRIPTION ㊶ N/A 12 80

LOSS OF OR DAMAGE TO FACILITY ㊸
1 9 | 7 8 | TYPE Z ㊷ 9 | DESCRIPTION N/A 10 80

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PUBLICITY
2 0 | 7 8 | ISSUED N ㊹ 9 | DESCRIPTION ㊺ N/A 10 68 | NRC USE ONLY 69 80

NAME OF PREPARER T.P. BEILMAN PHONE: (616) 465-5901

GPO 917-926

NRC FORM 366
(7-77)

"UPDATE REPORT - PREVIOUS REPORT DATE 2/12/79"

U.S. NUCLEAR REGULATORY COMMISSION

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

01 M I D C C 1 ② 0 0 0 0 0 0 0 0 0 0 0 ③ 4 1 1 1 1 ④ ⑤
LICENSEE CODE — LICENSE NUMBER — LICENSE TYPE — CAT

CON'T 01 REPORT SOURCE L ⑥ 0 5 0 0 0 3 1 5 ⑦ 0 1 2 7 7 9 ⑧ 1 1 1 3 7 9 ⑨
DOCKET NUMBER — EVENT DATE — REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES ⑩

02 FOLLOWING AN INJECTION OF BORIC ACID DURING A MODERATOR TEMPERATURE COEFFICIENT TEST,
03 THE AXIAL FLUX DIFFERENCE (AFD) EXCEEDED THE ± 5 PERCENT TARGET BAND LIMIT IDENTIFIED
04 IN T.S. 3.2.1. ADDITIONALLY, THE AFD HIGH ALARM DID NOT APPEAR TO FUNCTION PROPERLY
05 UPON EXCEEDING THE TARGET BAND ALTHOUGH SUBSEQUENT TESTING INDICATED THAT THE ALARM
06 WAS OPERABLE. THE AFD WAS RETURNED TO WITHIN ACCEPTABLE LIMITS WITHIN EIGHT MINUTES
07 OF THE OCCURRENCE IN COMPLIANCE WITH ACTION STATEMENT 3.2.1.a1a.
08

09 SYSTEM CODE: I E ⑪ CAUSE CODE: E ⑫ CAUSE SUBCODE: G ⑬ COMPONENT CODE: X X X X X X ⑭ COMP. SUBCODE: Z ⑮ VALVE SUBCODE: Z ⑯

⑰ LER/RO REPORT NUMBER: EVENT YEAR 7 9 — SEQUENTIAL REPORT NO. 0 0 2 / OCCURRENCE CODE 0 3 REPORT TYPE X — REVISION NO. 1

ACTION TAKEN: X ⑱ FUTURE ACTION: Z ⑲ EFFECT ON PLANT: B ⑳ SHUTDOWN METHOD: Z ㉑ HOURS ㉒: 0 0 0 0 ATTACHMENT SUBMITTED: Y ㉓ NPRD-4 FORM SUB.: N ㉔ PRIME COMP. SUPPLIER: N ㉕ COMPONENT MANUFACTURER: X 0 0 1 ㉖

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS ㉗

10 THE ADDITION OF 35 GALLONS OF BORIC ACID FOR THE PERFORMANCE OF THE MODERATOR
11 TEMPERATURE COEFFICIENT TEST, CAUSED AN INCREASE IN THE NEUTRON FLUX IN THE
12 UPPER REGION OF THE REACTOR CORE, DUE TO XENON OSCILLATION. THE INCREASED FLUX
13 AND SUBSEQUENT INCREASED CONSUMPTION OF XE-135 CAUSED THE HIGH DELTA FLUX. THE
14 CONTROL RODS WERE DRIVEN IN TO RETURN THE AXIAL (SEE SUPPLEMENT)

15 FACILITY STATUS: E ㉘ % POWER: 0 9 0 ㉙ OTHER STATUS ㉚: NA METHOD OF DISCOVERY: B ㉛ DISCOVERY DESCRIPTION ㉜: OPERATOR OBSERVATION

16 ACTIVITY RELEASED: Z ㉝ CONTENT OF RELEASE: Z ㉞ AMOUNT OF ACTIVITY ㉟: NA LOCATION OF RELEASE ㊱: NA

17 PERSONNEL EXPOSURES NUMBER: 0 0 0 ㊲ TYPE: Z ㊳ DESCRIPTION ㊴: NA

18 PERSONNEL INJURIES NUMBER: 0 0 0 ㊵ DESCRIPTION ㊶: NA

19 LOSS OF OR DAMAGE TO FACILITY ㊸ TYPE: Z ㊷ DESCRIPTION: NA

20 PUBLICITY ISSUED: N ㊹ DESCRIPTION ㊺: NA NRC USE ONLY ☐☐☐☐☐☐☐☐☐☐☐☐

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SUPPLEMENT TO LER # 79-002/03X-1

SUPPLEMENT TO CAUSE DESCRIPTION

OFFSET TO WITHIN THE TARGET BAND.

THE PROBLEM WITH THE ANNUNCIATOR FAILING TO COME IN IS BELIEVED TO HAVE BEEN AN INTERMITTENT HARDWARE FAILURE. EXTENSIVE TESTS HAVE BEEN RUN ON THE P250 DELTA FLUX ALARM AND THE ALARM ANNUNCIATOR FUNCTIONED CORRECTLY. NO FURTHER ACTION IS PLANNED.