

## 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 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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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 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

CON'T

0 1 REPORT SOURCE L 6 0 5 0 0 0 3 1 5 7 1 0 1 3 7 9 8 1 1 1 3 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 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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.  
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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 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 1000 9 SYSTEM CODE A B 11 CAUSE CODE X 12 CAUSE SUBCODE X 13 COMPONENT CODE Z Z Z Z Z Z Z 14 COMP. SUBCODE Z 15 VALVE SUBCODE Z 16  
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 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 10017 LER/RO  
REPORT  
NUMBEREVENT YEAR  
7 9SEQUENTIAL  
REPORT NO.

0 5 5

OCCURRENCE  
CODE

0 3

REPORT  
TYPE

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REVISION  
NO.

0

ACTION  
TAKENFUTURE  
ACTIONEFFECT  
ON PLANTSHUTDOWN  
METHOD

HOURS

ATTACHMENT  
SUBMITTEDNPRD-4  
FORM SUB.PRIME COMP.  
SUPPLIERCOMPONENT  
MANUFACTURERZ 9 9 9 26  
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 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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  
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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 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 1001 5 FACILITY STATUS E 28 % POWER 1 0 0 29 OTHER STATUS N/A 30 METHOD OF DISCOVERY B 31 DISCOVERY DESCRIPTION SURVEILLANCE TEST 32  
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 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 1001 6 ACTIVITY CONTENT RELEASED OF RELEASE Z 33 Z 34 AMOUNT OF ACTIVITY N/A 35 LOCATION OF RELEASE N/A 36  
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 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 1001 7 PERSONNEL EXPOSURES NUMBER 0 0 0 37 TYPE Z 38 DESCRIPTION N/A 39  
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 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 1001 8 PERSONNEL INJURIES NUMBER 0 0 0 40 DESCRIPTION N/A 41  
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 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 1001 9 LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 DESCRIPTION N/A 43  
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 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 1002 0 PUBLICITY ISSUED N 44 DESCRIPTION N/A 45  
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 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

NAME OF PREPARER T.P. BEILMAN

PHONE: (616) 465-5901

NRC USE ONLY

7911190372



## SENSEE EVENT REPORT

**CONTROL BLOCK:**

							(1)
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(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	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
7	8	14						15	25												26	30				57	CAT	58	
LICENSEE CODE		LICENSE NUMBER												LICENSE TYPE															

CON'T

0	1	REPORT SOURCE										DOCKET NUMBER										EVENT DATE										REPORT DATE									
7	8	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80																			
		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															

### EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2	FOLLOWING AN INJECTION OF BORIC ACID DURING A MODERATOR TEMPERATURE COEFFICIENT TEST,
0 3	THE AXIAL FLUX DIFFERENCE (AFD) EXCEEDED THE $\pm$ 5 PERCENT TARGET BAND LIMIT IDENTIFIED
0 4	IN T.S. 3.2.1. ADDITIONALLY, THE AFD HIGH ALARM DID NOT APPEAR TO FUNCTION PROPERLY
0 5	UPON EXCEEDING THE TARGET BAND ALTHOUGH SUBSEQUENT TESTING INDICATED THAT THE ALARM
0 6	WAS OPERABLE. THE AFD WAS RETURNED TO WITHIN ACCEPTABLE LIMITS WITHIN EIGHT MINUTES
0 7	OF THE OCCURRENCE IN COMPLIANCE WITH ACTION STATEMENT 3.2.1.ala.

0 8 | \_\_\_\_\_ 80

SYSTEM CODE I E (11)		CAUSE CODE E (12)		CAUSE SUBCODE G (13)		COMPONENT CODE X X X X X (14)				COMP. SUBCODE Z (15)		VALVE SUBCODE Z (16)	
LER/RO REPORT NUMBER 7 9 (17)		EVENT YEAR 7 9 (21) (22)		SEQUENTIAL REPORT NO. 0 0 2 (24) (25) (26)		OCCURRENCE CODE 0 3 (28) (29)		REPORT TYPE X (30)		REVISION NO. 1 (32)			
ACTION TAKEN X (18)		FUTURE ACTION Z (19)		EFFECT ON PLANT B (20)		SHUTDOWN METHOD 3 (21)		HOURS 0 0 0 0 (22) (23) (24) (25)		ATTACHMENT SUBMITTED Y (26)		NPRD-4 FORM SUB. N (27)	
PRIME COMP. SUPPLIER N (28)		COMPONENT MANUFACTURER X 0 0 1 (29) (30) (31) (32)											

### CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

THE ADDITION OF 35 GALLONS OF BORIC ACID FOR THE PERFORMANCE OF THE MODERATOR

TEMPERATURE COEFFICIENT TEST, CAUSED AN INCREASE IN THE NEUTRON FLUX IN THE

UPPER REGION OF THE REACTOR CORE, DUE TO XENON OSCILLATION. THE INCREASED FLUX

AND SUBSEQUENT INCREASED CONSUMPTION OF XE-135 CAUSED THE HIGH DELTA FLUX. THE

CONTROL RODS WERE DRIVEN IN TO RETURN THE AXIAL (SEE SUPPLEMENT)

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

FACILITY STATUS (28) % POWER (29) OTHER STATUS (30) METHOD OF DISCOVERY (31) DISCOVERY DESCRIPTION (32)

1 5 E 0 9 0 NA B OPERATOR OBSERVATION

ACTIVITY CONTENT  
RELEASED OF RELEASE AMOUNT OF ACTIVITY (35)  
1 6 2 2 2 NA LOCATION OF RELEASE (36)  
7 9 0 10 11 44 45 46 47 48 49 50

PERSONNEL EXPOSURES									
NUMBER		TYPE	DESCRIPTION						
1	7	000	(37) Z	(38) NA	(39)				

PERSONNEL INJURIES		
NUMBER	DESCRIPTION	
(0)(0)(0)	(40) NA	

1	9	2	42	LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION	43	NA
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7 8 9 10  
 PUBLICITY  
 ISSUED DESCRIPTION (45) NA  
 (2) (0) (N) (44) 68 69 70 71 72 73 74 75 76 77 78 79 80  
 NRC USE ONLY

10  
NAME OF PREPARER S. D. DELONG

616-465-5901  
PHONE: \_\_\_\_\_



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.

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