

LICENSEE EVENT REPORT

CONTROL BLOCK:

(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME						LICENSE NUMBER								LICENSE TYPE					EVENT TYPE					
01	M	D	C	C	N	1	0	0	-	0	0	0	0	-	0	0	4	1	1	1	1	0	3	
7	8	9				14	15										25	26				30	31	32

CATEGORY		REPORT TYPE	REPORT SOURCE	DOCKET NUMBER							EVENT DATE					REPORT DATE							
01	CON'T	L	L	0	5	0	-	0	3	1	7	1	2	1	0	7	7	0	1	0	9	7	8
7	8	57	58	59	60	81					88	69					74	75					80

EVENT DESCRIPTION

02 On several occasions during the past 30-day period while at power operation, azimuthal
7 8 9 80
03 power tilt (T_q) exceeded the limits of Technical Specification 3.2.4(0.020). In each
7 8 9 80
04 occurrence F_{xy}^T and F_r^T were verified to be within their specification limits. These
7 8 9 80
05 events occurred on the following occasions:
7 8 9 80
06 (LER 78-1/3L cont'd on attached sheet)
7 8 9 80

SYSTEM CODE		CAUSE CODE		COMPONENT CODE						PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER			VIOLATION					
0	7	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	9	9	9	N				
7	8	9	10	11						12	17			43	44			47	48

CALFE DESCRIPTION

08 One of the four tilt estimates made in the upper half of the core has historically
7 8 9 80
09 exhibited a positive bias slightly below the value of 0.020. Thus during power
7 8 9 80
10 changes and/or CEA insertions into the upper half of the core, (cont'd on attached
7 8 9 sheet) 80

FACILITY STATUS		% POWER		OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION	
11	E	0	7	7	N/A	A	N/A		
7	8	9	10	11	12	13	14	15	16

FORM OF ACTIVITY RELEASED		CONTENT OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE
1	2	Z	N/A	N/A

PERSONNEL EXPOSURES

NUMBER				TYPE	DESCRIPTION
1	3	0	0	0	Z N/A

PERSONNEL INJURIES

NUMBER				DESCRIPTION	
1	4	0	0	0	N/A

OFFSITE CONSEQUENCES

1	5	N/A	80
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LOSS OR DAMAGE TO FACILITY

TYPE			DESCRIPTION
16	2		N/A

PUBLICITY

17	N/A
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ADDITIONAL FACTORS

1a	N/A	2260 147
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19 | N/A | 7906040202

NAME: L. B. Russell

PHONE: 301 234-7924

LICENSEE EVENT REPORT 78-1/3L
 Event Date 12/10/77
 Report Date 01/09/78
 Sheet 2 of 2

EVENT DESCRIPTION (cont'd)

<u>DATE</u>	<u>TIME</u>	<u>POWER LEVEL</u>	<u>MAGNITUDE OF Tq</u>	<u>TIME Tq RETURNED TO 0.020</u>	
12/10/77	0830	77%	0.0203	1530	
12/23/77	1610	98%	0.0201	1710	
12/27/77	0015	56%	0.0224	0320	
1/1/78	0015	53%	0.0239	0730	1/3/78
1/3/78	1616	85%	0.0205	0012	1/4/78
1/5/78	0500	83%	0.0203	0011	1/6/78
1/6/78	1630	84%	0.0206	0010	1/7/78
1/8/78	0810	80%	0.0205	1655	

CAUSE DESCRIPTION (cont'd)

the measured Tq is likely to be increased slightly above the limit of 0.020. In all occasions listed above, this is what occurred.

A proposed Technical Specification change has been submitted to allow the use of additional incore detector segments (three of a four fold symmetric set) to more precisely determine Tq. It is believed that with this additional information the adverse effect of a biased detector will be minimized and thus Tq will rarely exceed 0.020.

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