

## LICENSEE EVENT REPORT

EXHIBIT A

CONTROL BLOCK: |\_\_|\_\_|\_\_|\_\_|\_\_|\_\_|1

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

<u>7</u>	<u>0</u>	<u>1</u>	<u>8</u>	<u>9</u>	A	R	A	N	O	<u>14</u>	<u>15</u>	<u>0</u>	<u>0</u>	-	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	-	<u>0</u>	<u>0</u>	<u>13</u>	<u>14</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>14</u>	<u>15</u>	
						LICENSEE CODE						LICENSE NUMBER						LICENSE TYPE						CAT	58						
<u>7</u>	<u>0</u>	<u>1</u>	<u>8</u>	REPORT SOURCE 60										<u>16</u>	<u>61</u>	<u>5</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>3</u>	<u>6</u>	<u>8</u>	<u>17</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>1</u>	<u>0</u>	<u>8</u>	<u>2</u>	<u>19</u>
						DOCKET NUMBER						EVENT DATE						REPORT DATE													

## EVENT DESCRIPTION AND PROBABLY CONSEQUENCES 10

On 12/10/82 during power ascension testing at 80% full power, it was determined that the values of the shape annealing matrix for all four core protection calculators (CPC) had been improperly loaded into the CPCs. Use of an incorrect shape annealing matrix caused the CPC channels to calculate a more bottom peaked core power distribution than actual as calculated with the incore detector system. These errors may have caused non-conservative DNBR and LPD calculations by all four CPC channels. This occurrence is reportable per T.S. 16.9.1.8.f.

SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE				COMP SUBCODE		VALVE SUBCODE		REVISION NO			
0   9		1   A   11		A   12		X   13   1   N   S   T   R   U   14				Y   15		Z   16					
7 8		9 10		11		12 13		13 18		19		20					
LER/RO		EVENT YEAR				SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE							
17 REPORT		8   2		---		0   4   2		/		0   1		T		---     0			
NUMBER		21   22		23		24 26		27		28 29		30		31 32			
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER	
X   78		G   19		Z   20		Z   21		0   0   0   0   22		Y   23		N   24		N   25		C   4   9   0   26	
33		34		35		36		37 40		41		42		43		44 47	

## CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

1 0 | The cause of this occurrence was personnel error. At the 50% full power ascension test plateau, nuclear  
1 1 | engineering personnel determined shape annealing matrices (SAM) for each CPC channel. The matrices were  
1 2 | transposed and input incorrectly into each CPC channel. The cause of the transposition was inadequate label-  
1 3 | ing of the individual matrix elements as listed by a SAM analysis code. The SAM elements were installed  
1 4 | within 1 hour of identification of the error. Prior to utilization of the SAM analysis code for the (cont'd)  
7 8 9 80

FACILITY STATUS		% POWER	OTHER STATUS	METHOD OF DISCOVERY		DISCOVERY DESCRIPTION	
1	5	128	0	8	0	29	13
7	8	9	10	12	13	44	45
1	5	128	0	8	0	29	13
7	8	9	10	12	13	44	45
ACTIVITY RELEASED		CONTENT OF RELEASE	AMOUNT OF ACTIVITY		LOCATION OF RELEASE		
1	6	133	1	2	34	NA	35
7	8	9	10	11	12	13	44
1	6	133	1	2	34	NA	35
7	8	9	10	11	12	13	44

PERSONNEL EXPOSURES										
NUMBER				TYPE		DESCRIPTION				
1	1	7	1	0	0	0	137	Z	138	NA
7	7	8	9	11	12	13				

PERSONNEL INJURIES												
NUMBER						DESCRIPTION						
1	8	0	0	0	40	NA						141
7	8	9	11	12								80

LOSS OF OR DAMAGE TO FACILITY		TYPE DESCRIPTION		8212300090 821221	
1	9	2	42	NA	

PUBLICITY		PDR ADDUC 00000000				NRC USE ONLY
ISSUED	DESCRIPTION	S	PDR			
2   0	N   44   NA			145		
7   8	9   7			68	69	80

NAME OF PREPARER Patrick Rogers

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Cause Description and Corrective Actions (cont'd):

next beginning of cycle testing, labeling of the individual matrix elements will be added. This item was previously reported by letter (AN0-82-2-1246) from AP&L (Levine) to NRC (Collins) dated December 10, 1982.