

# LICENSEE EVENT REPORT

CONTROL BLOCK: 1 2 3 4 5 6

(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME														LICENSE NUMBER										LICENSE TYPE					EVENT TYPE		
<span style="border: 1px solid black; padding: 2px;">01</span> <span style="border: 1px solid black; padding: 2px;">A</span> <span style="border: 1px solid black; padding: 2px;">L</span> <span style="border: 1px solid black; padding: 2px;">B</span> <span style="border: 1px solid black; padding: 2px;">R</span> <span style="border: 1px solid black; padding: 2px;">F</span> <span style="border: 1px solid black; padding: 2px;">1</span>														<span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">-</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">-</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span>										<span style="border: 1px solid black; padding: 2px;">4</span> <span style="border: 1px solid black; padding: 2px;">1</span> <span style="border: 1px solid black; padding: 2px;">1</span> <span style="border: 1px solid black; padding: 2px;">1</span> <span style="border: 1px solid black; padding: 2px;">1</span>					<span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">3</span>		
7 8 9 14														15 25										26 30					31 32		

CATEGORY				REPORT TYPE		REPORT SOURCE		DOCKET NUMBER										EVENT DATE					REPORT DATE				
<span style="border: 1px solid black; padding: 2px;">01</span> <span style="border: 1px solid black; padding: 2px;">CONT</span>				<span style="border: 1px solid black; padding: 2px;">L</span>		<span style="border: 1px solid black; padding: 2px;">L</span>		<span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">5</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">-</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">2</span> <span style="border: 1px solid black; padding: 2px;">5</span> <span style="border: 1px solid black; padding: 2px;">9</span>										<span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">8</span> <span style="border: 1px solid black; padding: 2px;">2</span> <span style="border: 1px solid black; padding: 2px;">3</span> <span style="border: 1px solid black; padding: 2px;">7</span> <span style="border: 1px solid black; padding: 2px;">6</span>					<span style="border: 1px solid black; padding: 2px;"> </span> <span style="border: 1px solid black; padding: 2px;"> </span> <span style="border: 1px solid black; padding: 2px;"> </span> <span style="border: 1px solid black; padding: 2px;"> </span> <span style="border: 1px solid black; padding: 2px;"> </span> <span style="border: 1px solid black; padding: 2px;"> </span>				
7 8 57 58				59		60		61 68 69										74 75					80				

## EVENT DESCRIPTION

02	Units 1 and 2 in REFUEL mode; unit 3 in STARTUP mode at 50 psig. The seismic setpoints	80
03	for: (1) SMA accelerometers were found at 0.1g and not 0.01g as required; and (2) Alarm	80
04	triggers were found at 0.01g and not 0.1g as required. Capability of SMA accelero-	80
05	graphs to monitor possible operating basis earthquakes (>0.1g) was preserved.	80
06	BPRO-50-259/7614	80

SYSTEM CODE		CAUSE CODE		COMPONENT CODE					PRIME COMPONENT SUPPLIER		COMPONENT MANUFACTURER					VIOLATION	
<span style="border: 1px solid black; padding: 2px;">07</span> <span style="border: 1px solid black; padding: 2px;">I</span> <span style="border: 1px solid black; padding: 2px;">F</span>		<span style="border: 1px solid black; padding: 2px;">D</span>		<span style="border: 1px solid black; padding: 2px;">Z</span> <span style="border: 1px solid black; padding: 2px;">Z</span> <span style="border: 1px solid black; padding: 2px;">Z</span> <span style="border: 1px solid black; padding: 2px;">Z</span> <span style="border: 1px solid black; padding: 2px;">Z</span> <span style="border: 1px solid black; padding: 2px;">Z</span>					<span style="border: 1px solid black; padding: 2px;">Z</span>		<span style="border: 1px solid black; padding: 2px;">Z</span> <span style="border: 1px solid black; padding: 2px;">9</span> <span style="border: 1px solid black; padding: 2px;">9</span> <span style="border: 1px solid black; padding: 2px;">9</span>					<span style="border: 1px solid black; padding: 2px;">Y</span>	
7 8 9 10		11		12 17					43		44 47					48	

## CAUSE DESCRIPTION

08	Seismic setpoints inadvertently reversed in surveillance instructions for 3 SMA	80
09	accelerometers and 3 alarm triggers. Equipment: kinematics SMA-2 (accelerometers)	80
10	and HS-3 (triggers). Surveillance instructions corrected.	80

FACILITY STATUS		% POWER		OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION				
<span style="border: 1px solid black; padding: 2px;">11</span> <span style="border: 1px solid black; padding: 2px;">B</span>		<span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span>		<span style="border: 1px solid black; padding: 2px;">NA</span>		<span style="border: 1px solid black; padding: 2px;">Z</span>		<span style="border: 1px solid black; padding: 2px;">Review of technical specifications</span>				
7 8 9		10 12 13		44		45		46 80				

FORM OF ACTIVITY RELEASED		CONTENT OF RELEASE		AMOUNT OF ACTIVITY					LOCATION OF RELEASE				
<span style="border: 1px solid black; padding: 2px;">12</span> <span style="border: 1px solid black; padding: 2px;">Z</span>		<span style="border: 1px solid black; padding: 2px;">Z</span>		<span style="border: 1px solid black; padding: 2px;">NA</span>					<span style="border: 1px solid black; padding: 2px;">NA</span>				
7 8 9		10 11		44 45					80				

## PERSONNEL EXPOSURES

NUMBER		TYPE		DESCRIPTION				
<span style="border: 1px solid black; padding: 2px;">13</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span>		<span style="border: 1px solid black; padding: 2px;">Z</span>		<span style="border: 1px solid black; padding: 2px;">NA</span>				
7 8 9 11		12 13		80				

## PERSONNEL INJURIES

NUMBER		DESCRIPTION				
<span style="border: 1px solid black; padding: 2px;">14</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span>		<span style="border: 1px solid black; padding: 2px;">NA</span>				
7 8 9 11 12		80				

## OFFSITE CONSEQUENCES

<span style="border: 1px solid black; padding: 2px;">15</span>		<span style="border: 1px solid black; padding: 2px;">NA</span>				
7 8 9		80				

## LOSS OR DAMAGE TO FACILITY

TYPE		DESCRIPTION				
<span style="border: 1px solid black; padding: 2px;">16</span> <span style="border: 1px solid black; padding: 2px;">Z</span>		<span style="border: 1px solid black; padding: 2px;">NA</span>				
7 8 9 10		80				

## PUBLICITY

<span style="border: 1px solid black; padding: 2px;">17</span>		<span style="border: 1px solid black; padding: 2px;">NA</span>				
7 8 9		80				

## ADDITIONAL FACTORS

18	Investigation shows that instrument maintenance instruction (IMI) 3004, "Seismic	80
19	Instrumentation," issued on 6/4/73, contained the required setpoints. These values	80
7 8 9	(Continued next sheet)	90

NAME: \_\_\_\_\_

PHONE: \_\_\_\_\_

LICENSE EVENT REPORT (Continued)

BFRO-50-259/7614

ADDITIONAL FACTORS (Continued)

20 were inadvertently transposed when the initial surveillance instructions  
21 (SI 4.2.J-1 and -2) were prepared on 5/11/76, in anticipation of expected  
22 plant technical specifications.

23 These reversed setpoints were confirmed on 8/23/76 when the units 1 and 2  
24 technical specifications were fully reviewed. With the setpoints reversed,  
25 the SMA was capable of monitoring and documenting on a seismograph tape any  
26 tremor 50% below the design basis earthquake (DBE) of 0.2g, which  
27 corresponds to the operating basis earthquake (OBE). If an earthquake had  
28 occurred while the setpoints were reversed, the only unavailable post-  
29 earthquake information would involve tremors below the OBE ( $>0.01$  but  $<0.1g$ ).  
30 Consequently, this deficiency did not prevent plant seismic instruments from  
31 performing their intended function.

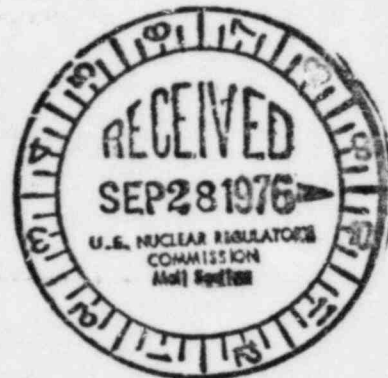


TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

September 21, 1976

Mr. Norman C. Moseley, Director  
U.S. Nuclear Regulatory Commission  
Office of Inspection and Enforcement  
Region II  
230 Peachtree Street, NW., 8th Floor  
Atlanta, Georgia 30303



Dear Mr. Moseley:

TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT UNIT 1 -  
DOCKET NO. 50-259 - FACILITY OPERATING LICENSE DPR-33 - REPORTABLE  
OCCURRENCE REPORT BFO-50-259/7614

The enclosed report is to provide details concerning the seismic  
setpoints for SMA accelerometers and alarm triggers that were not  
set in accordance with technical requirements. This report is  
submitted in accordance with Browns Ferry Technical Specifications  
Section 6. This event occurred on Browns Ferry Nuclear Plant  
unit 1.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

H. S. Fox  
Director of Power Production

Enclosure (3)  
CC (Enclosure):  
Director (3)  
Office of Management Information and Program Control  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Director (40)  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

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