

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 907

FILE: INCIDENT REPORT

FROM: Tennessee Valley Authority Chattanooga, Tenn E.F. Thomas		DATE OF DOC 1-24-75	DATE REC'D 1-28-75	LTR XXXXX	TWX	RPT	OTHER
TO: Mr. Edson G. Case		ORIG 1-signed	CC	OTHER	SENT AEC PDR <u>XXXXX</u> SENT LOCAL PDR <u>XXXXX</u>		
CLASS	UNCLASS XXXXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-260		

DESCRIPTION: Ltr trans the following: <div style="text-align: center; font-size: 1.5em; transform: rotate(-5deg); opacity: 0.5;"> ACKNOWLEDGED DO NOT REMOVE </div> PLANT NAME: Browns Ferry #2	ENCLOSURES: Abnormal Occurrence #752W on 1-24-75 concerning the RCIC turbine tripped during operation.....
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FOR ACTION/INFORMATION 1-29-75 JGB

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INTERNAL DISTRIBUTION

<u>REG FILE</u>	<u>TECH REVIEW</u>	<u>DENTON</u>	<u>LIC. ASST.</u>	<u>A/T IND</u>
✓AEC PDR	✓SCHROEDER	GRIMES	DIGGS (S)	BRAITMAN
✓OGC, ROOM P-506-A	✓MACCARRY	GAMMILL	GEARIN (S)	SALTZMAN
✓MUNIZING/STAFF	✓KNIGHT	✓KASTNER	✓GOULBOURNE (S)	B. HURT
✓CASE	✓PAWLICKI	BALLARD	KREUTZER (E)	
GIAMBUSSO	✓SHAO	SPANGLER	LEE (S)	<u>PLANS</u>
BOYD	✓STELLO		MAIGRET (S)	MCDONALD
MOORE (S) (BWR)	✓HOUSTON	<u>ENVIRO</u>	REED (E)	CHAPMAN
DEYOUNG (S) (PWR)	✓NOVAK	MULLER	SERVICE (S)	DUBE w/input
SKOVHOLT (S)	✓ROSS	DICKER	SHEPPARD (S)	E. COUPE
GOLLER (S)	✓IPPOLITO	KNIGHTON	SLATER (E)	✓R. Hartfield (2)
P. COLLINS	✓TEDESCO	YOUNGBLOOD	✓SMITH (S)	✓KLEGGER
DENISE	✓LONG	REGAN	TEETS (S)	✓F. WILLIAMS
<u>REG OPR</u>	✓LAINAS	PROJECT LDR	WILLIAMS (E)	
✓FILE & REGION	✓BENAROYA		WILSON (S)	
✓T.R. WILSON	✓STEELE	HARLESS	INGRAM (S)	
	✓VOLIMER			

EXTERNAL DISTRIBUTION

✓1-LOCAL PDR Athens, A1	(1) (2) (10) -NATIONAL LABS	1-PDR SAN/LA/NY
✓1-TIC (ABERNATHY)	1-W. PENNINGTON, RM E-201 G.T.	1-BROOKHAVEN NAT LAB
✓1-NSIC (BUCHANAN)	1-CONSULTANTS	1-G. ULRIKSON, ORNL
1-ASLB	NEWMARK/BLUME/ASBABIAN	1-AGMED (RUTH GUSSMAN) RM B-127 G.T.
1-NEWTON ANDERSON		1-J. RUNKLES, RM E-201 G.T.
✓5-ACRS SENT TO LIC. ASST. <i>Smith</i>		



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TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE
37401



January 24, 1975

Regulatory

File Cy.

Mr. Edson G. Case
Acting Director of Licensing
U.S. Nuclear Regulatory Commission
Washington, DC 20545

Dear Mr. Case:

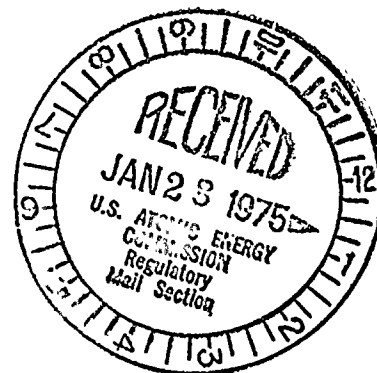
TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT UNIT 2 -
DOCKET NO. 50-260 - FACILITY OPERATING LICENSE DPR-52 - ABNORMAL
OCCURRENCE REPORT BFAO-50-260/752W

The enclosed report is to provide details concerning the RCIC
turbine which tripped during operation and is submitted in
accordance with Appendix A to Regulatory Guide 1.16, Revision 1,
October 1973. This event occurred on Browns Ferry Nuclear Plant
unit 2 on January 16, 1975.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

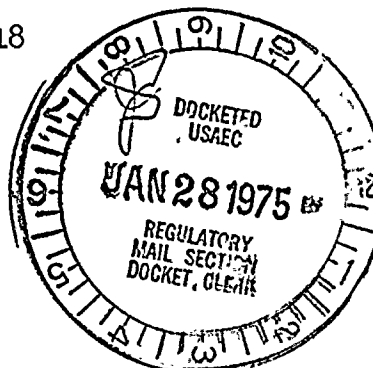

E. F. Thomas
Director of Power Production



Enclosure

CC (Enclosure):

Mr. Norman C. Moseley; Director
U.S. Nuclear Regulatory Commission
Regional Office
230 Peachtree Street, NW., Suite 818
Atlanta, Georgia 30303



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1. The first part of the report is a general introduction to the subject of the study. It discusses the importance of the study and the objectives of the research. It also provides a brief overview of the methodology used in the study.

2. The second part of the report is a detailed description of the study area. It includes information about the location of the study area, the population of the study area, and the characteristics of the study area. It also discusses the data sources used in the study.

3. The third part of the report is a detailed description of the study results. It includes information about the findings of the study, the conclusions drawn from the findings, and the implications of the findings. It also discusses the limitations of the study and the need for further research.

4. The fourth part of the report is a conclusion and recommendations section. It summarizes the main findings of the study and provides recommendations for future research and policy. It also discusses the significance of the study and the contribution it has made to the field.

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ABNORMAL OCCURRENCE REPORT

Report No.: BFAO-50-260/752W
Report Date: January 24, 1975
Occurrence Date: January 16, 1975
Facility: Browns Ferry Nuclear Plant unit 2

Identification of Occurrence

The RCIC turbine tripped during operation.

Conditions Prior to Occurrence

The unit was in hot shutdown condition and the RCIC was being operated to remove decay heat from the reactor.

Description of Occurrence

The RCIC was operating at a steady state and tripped. Resetting of the steam inlet throttle valve from the control room could not be accomplished. An inspection of the turbine was made, and movement of the overspeed linkage allowed the turbine to be reset and manually started. The RCIC was inoperable for 25 minutes.

Designation of Apparent Cause of Occurrence

The apparent cause of the RCIC turbine trip was the misposition of the mechanical overspeed emergency tappet nut. The flat surface on the tappet nut had rotated out of alignment with the emergency head lever, thus allowing the mechanical overspeed tappet and ball to raise when the electric solenoid trip was actuated. Vibration from turbine operation could cause a partially raised overspeed tappet nut to disengage with the head lever and trip the turbine.

Analysis of Occurrence

There was no damage to any systems, components, or structures as a result of this occurrence nor were there any adverse effects to the public health and safety. Other core cooling equipment was available if it had been required. The RCIC turbine was restored to service in 25 minutes and was satisfactorily operated during the cooldown of the reactor.

Corrective Action

The overspeed emergency tappet nut was rotated for proper alignment with the emergency head lever. The proper engagement between these parts was checked and found to be satisfactory. The overspeed actuating linkage was checked for freedom of movement, and a slight binding in one connection was removed. The electric solenoid was actuated several times with no movement of the tappet nut observed. Set screws on the actuating linkage were checked for tightness with levers in their proper position.

Failure Data

Unit 2 RCIC Pump Drive
Terry Steam Turbine Co.
Hartford, Connecticut

