

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER  
INCIDENT REPORT

TO:  
Mr. Norman C. Moseley

FROM:  
Tennessee Valley Authority  
Chattanooga, Tennessee  
H. S. Fox

DATE OF DOCUMENT  
7/16/76

DATE RECEIVED  
7/20/76

LETTER  
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 UNCLASSIFIED

PROP INPUT FORM

NUMBER OF COPIES RECEIVED  
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DESCRIPTION

Ltr. trans the following:

(1-P)

PLANT NAME:  
Browns Ferry Unit 3

ENCLOSURE

Licensee Event Report (RO 50-296/761W) on 7/4/76 concerning the blade guide assembly handle which was broken during fuel loading operations.

**ACKNOWLEDGED  
DO NOT REMOVE**

(2-P)

NOTE: IF PERSONNEL EXPOSURE IS INVOLVED, SEND DIRECTLY TO KREGER/J. COLLINS

FOR ACTION/INFORMATION 7/21/76 RJL

BRANCH CHIEF: Stolz  
W/3 CYS FOR ACTION

LIC. ASST.: Hylton  
W/1 CYS  
ACRS/6 CYS HOLDING/SENT TO LA

INTERNAL DISTRIBUTION

REG FILE

NRC PDR

I & E (2)

MIPC

SCHROEDER/IPPOLITO

HOUSTON

NOVAK/CHECK

GRIMES

CASE

BUTLER

HANAUER

TEDESCO/MACCARY

EISENHUT

BAER

SHAO

VOLLMER/BUNCH

KREGER/J. COLLINS

EXTERNAL DISTRIBUTION

LPDR: Athens, Ala.

TTC:

NSIC:

CONTROL NUMBER

9  
7308

1944

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TENNESSEE VALLEY AUTHORITY  
CHATTANOOGA, TENNESSEE 37401

JUL 16 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



Regulatory Docket File

Dear Mr. Moseley:

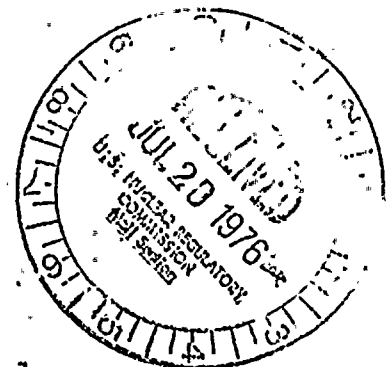
TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT UNIT 3 -  
DOCKET NO. 50-296 - FACILITY OPERATING LICENSE DPR-68 - REPORTABLE  
OCCURRENCE REPORT BPRO-50-296/761W

The enclosed report is to provide details concerning a blade guide assembly that was being removed from the reactor as part of fuel-loading operations and is submitted in accordance with Appendix E to Regulatory Guide 1.16, Revision 4, August 1975. This event occurred on Browns Ferry Nuclear Plant unit 3.

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

7308

# LICENSEE EVENT REPORT

CONTROL BLOCK: 

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1 6

[PLEASE PRINT ALL REQUIRED INFORMATION]

LICENSEE NAME: 

01	A	L	B	R	F	3
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 14  
7 8 9

LICENSE NUMBER: 

0	0	-	0	0	0	0	0	-	0	0
---	---	---	---	---	---	---	---	---	---	---

 25  
15

LICENSE TYPE: 

4	1	1	1	1
---	---	---	---	---

 30  
26

EVENT TYPE: 

0	1
---	---

 32  
31

REPORT TYPE: 

T
---

 59  
57 58

REPORT SOURCE: 

L
---

 60  
61

DOCKET NUMBER: 

0	5	0	-	0	2	9	6
---	---	---	---	---	---	---	---

 68  
69

EVENT DATE: 

0	7	0	4	7	6
---	---	---	---	---	---

 74  
75

REPORT DATE: 

0	7	1	2	7	6
---	---	---	---	---	---

 80  
75

## EVENT DESCRIPTION

02
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 (See attached sheet)  
7 8 9 80

03
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7 8 9 80

04
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7 8 9 80

05
----

  
7 8 9 80

06
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7 8 9 80

SYSTEM CODE: 

F	D
---	---

 10  
7 8 9

CAUSE CODE: 

E
---

 11

COMPONENT CODE: 

X	X	X	X	X	X
---	---	---	---	---	---

 17  
12

PRIME COMPONENT SUPPLIER: 

N
---

 43

COMPONENT MANUFACTURER: 

5	3	9	2
---	---	---	---

 47  
44

VIOLATION: 

N
---

 48

## CAUSE DESCRIPTION

08
----

 (See attached sheet)  
7 8 9 80

09
----

  
7 8 9 80

10
----

  
7 8 9 80

FACILITY STATUS: 

C
---

 9  
7 8

% POWER: 

0	0	0
---	---	---

 12  
10

OTHER STATUS: 

N/A
-----

 13

METHOD OF DISCOVERY: 

B
---

 45  
44

DISCOVERY DESCRIPTION: \_\_\_\_\_ 46 80

FORM OF ACTIVITY RELEASED: 

Z
---

 9  
7 8

CONTENT OF RELEASE: 

Z
---

 10

AMOUNT OF ACTIVITY: \_\_\_\_\_ 44

LOCATION OF RELEASE: \_\_\_\_\_ 45 80

## PERSONNEL EXPOSURES

NUMBER: 

0	0	0
---	---	---

 11  
7 8 9

TYPE: 

Z
---

 12

DESCRIPTION: 

N/A
-----

 13 80

## PERSONNEL INJURIES

NUMBER: 

0	0	0
---	---	---

 11  
7 8 9

DESCRIPTION: 

N/A
-----

 12 80

## OFFSITE CONSEQUENCES

15
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N/A
-----

  
7 8 9 80

## LOSS OR DAMAGE TO FACILITY

TYPE: 

D
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 9  
7 8

DESCRIPTION: 

Blade guide handle sheared and stop pins bent
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 10 80

## PUBLICITY

17
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N/A
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7 8 9 80

## ADDITIONAL FACTORS

18
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N/A
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7 8 9 80

19
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7 8 9 80

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



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### Event Description

A blade guide assembly was being removed from the reactor as part of fuel-loading operations. When the bottom of the blade guide assembly was approximately three feet above the upper core plate, a section of the telescoping grapple boom slipped downward. When this section reached its normal extended position, it impeded the lower sections which caused an abrupt force on the boom which broke the blade guide assembly handle. The blade guide assembly fell back into the incore position from which it was removed. (BFRO-50-296/761)

### Cause Description

Interference between two adjacent sections of the boom as the grapple was being lifted caused one section to stop before it was fully extended. Then the section fell to its fully-extended position.

### Additional Factors

All pieces of the boom and blade guide assembly were accounted for; the surrounding fuel assemblies, adjacent LPRM incore, and the fuel support piece inspected and no evidence of damage observed; and the boom was replaced with the unit 2 boom which had demonstrated reliability during fuel loading on that unit.

