

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CON'TEVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

PUBLICITY  
ISSUED DESCRIPTION (45)  
2 0 N (44)  
8307220268 830713  
PDR ADCK 05000260  
S PDR  
NRC USE ONLY

PHONE: (205) 729-0845

LER SUPPLEMENTAL INFORMATION

BFRO-50- 260 / 83033 Technical Specification Involved 3.5.I & 3.5.J

Reported Under Technical Specification 6.7.2.b(2) \* Date Due NRC 07/14/83

Event Narrative:

Unit 1 was in a refueling outage; unit 3 was operating at 100-percent power. These units were unaffected by this event. With unit 2 at 98-percent power following a rod adjustment and preconditioning, the nuclear engineer noted a CMFLPD value of 1.035 and CMAPR value of 1.014, which were greater than the limit of 1.0 prescribed in Technical Specifications (TS) 3.5.I (CMAPR) and 3.5.J (CMFLPD.) There was no effect on the public health or safety. There are no redundant systems.

The cause of the event was a xenon transient due to the load reduction and control rod adjustment. Several OD-2 programs were run on the LPRM strings monitoring the limiting fuel bundles to refine the calculations. This reduced the CMFLPD and CMAPR, but the new values were still above 1.0. Core flow was then reduced, decreasing the load by 40 MWe and bringing CMFLPD and CMAPR back to within technical specification limits. CMFLPD and CMAPR were noted out of limits at 1913 hours and were restored to within limits at 2025 hours (one hour 12 minutes.) This is considered a random event and no further recurrence control is required.

\* Previous Similar Events:

BFRO-50-259/80053, 80056, 80078  
260/81005, 81006, 81007  
296/79003, 81018

Retention: Period - Lifetime; Responsibility - Document Control Supervisor

\*Revision: JRP

TENNESSEE VALLEY AUTHORITY  
CHATTANOOGA, TENNESSEE 37401  
1750 Chestnut Street Tower II

83 JUL 15 P 1:53

July 13, 1983

Mr. James P. O'Reilly, Director  
U.S. Nuclear Regulatory Commission  
Suite 2900  
101 Marietta Street, NW  
Atlanta, Georgia 30303

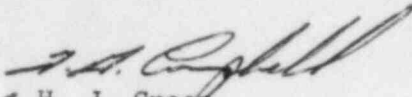
Dear Mr. O'Reilly:

TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT UNIT 2 - DOCKET  
NO. 50-260 - FACILITY OPERATING LICENSE DPR-52 - REPORTABLE OCCURRENCE  
REPORT BFRO-50-260/83033

The enclosed report provides details concerning core maximum fraction of  
limited power density and core maximum average power ratio which exceeded  
values prescribed in technical specification requirements caused by xenon  
transient because of a load reduction and control rod adjustment. This  
report is submitted in accordance with Browns Ferry unit 2 Technical  
Specification 6.7.2.b(2).

Very truly yours,

TENNESSEE VALLEY AUTHORITY

  
H. J. Green  
Director of Nuclear Power

Enclosure

cc (Enclosure):

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Washington, D.C. 20555

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Suite 1500  
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Atlanta, Georgia 30339

NRC Inspector, Browns Ferry

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