

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

PHONE (205) 729-0845

LER SUPPLEMENTAL INFORMATION

BFRO-50- 260 / 83033R1 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 maximum LHGR value of 13.87 and MAPLHGR value of 12.00, which were greater than the limits of 13.4 and 11.838 prescribed in Technical Specifications (TS) 3.5.I (MAPLHGR) and 3.5.J (LHGR.) 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 LHGR and MAPLHGR, but the new values were still above 13.4 and 11.838, respectively. Core flow was then reduced, decreasing the load by 40 MWe and bringing LHGR and MAPLHGR back to within technical specification limits. LHGR and MAPLHGR 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 SEP 19 49:55

September 14, 1983

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

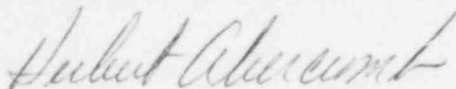
Dear Mr. O'Reilly:

TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT UNIT 2 - DOCKET  
NO. 50-260 - FACILITY OPERATING LICENSE DPR-52 - REPORTABLE OCCURRENCE  
REPORT BFR0-50-260/83033 - REVISION 1

The enclosed report is a supplement to my letter to you dated July 13, 1983  
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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NRC Inspector, Browns Ferry

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