

ENCLOSURE

Browns Ferry Nuclear Plant Unit 1
In-Service Inspection

In accordance with paragraph 1971 IS622.3 of Section XI of the ASME Boiler and Pressure Vessel Code (1971 edition through Summer 1971 addenda), the following information is provided.

1. Date: December 1981
2. Name of owner and address of corporate office:

Tennessee Valley Authority
Chattanooga, Tennessee 37401
3. Name and address of nuclear generating plant in which the nuclear plant unit is located:

Browns Ferry Nuclear Plant
P.O. Box 2000
Decatur, Alabama 35601
4. Name or number assigned to the nuclear power system by the owner:

Browns Ferry Nuclear Plant unit 1
5. Commercial service date assigned to the nuclear power system by the owner:

August 1, 1974
6. Gross generating capability assigned to the nuclear power station by the owner:

1,098 MW_e
7. The number assigned to the "boiler," "pressure vessel," or components of the nuclear power system by the state or municipality:

Does not apply
8. National board number assigned by the manufacturer to the "boiler," "pressure vessel," or components of the nuclear power system:

No number assigned
9. Name of the component or part of the component of the nuclear power system for which this is a record, including such information regarding size, capacity, material, and location as may aid accurate identification (this may include drawing references if they may be of assistance):

The components examined as part of this in-service inspection are listed in the abstract.

8205280376

10. Name of the manufacturer of the component or part of the nuclear power system for which this is a record, including the manufacturer's corporate offices or the manufacturing plant locations as may aid in gaining access to the manufacturer's records regarding the component or part which the manufacturer is maintaining in accordance with requirements of the ASME Boiler and Pressure Vessel Code, Section III, Nuclear Power Components:

The majority of the components examined were supplied by:

General Electric Company
Atomic Power Equipment Department
San Jose, California

under TVA contract No. 66C60-90744

11. Dates of the in-service inspection: September 15-17 and November 29 -
December 1, 1977

12. Name of the inspectors:

The Tennessee Valley Authority acts as its own inspectors.

13. Name and mailing address of the employers of the inspectors:

Tennessee Valley Authority
1630 Chestnut Street Tower II
Chattanooga, Tennessee 37401

14. Abstract of inspections performed, conditions observed, and corrective measures recommended and taken.

Lambert, MacGill, Thomas, Incorporated, (LMT) under contract to TVA performed ultrasonic and visual examinations on the following welds on unit 1.

Feedwater Nozzles

Welds: N4A, N4B, N4C, N4D, N4E, and N4F including nozzle inner radii examination

Core Spray System

Welds: DSCS-1-6, DCS-1-8, DCS-1-7, DSCS-1-3, DSCS-1-4, DSCS-1-3
DCS-1-6, DCS-1-5, DSCS-1-2, DSCS-1-1, DCS-1-4, DSCS-1-13
DCS-1-17, DCS-1-16, DSCS-1-12, DSCS-1-11, DSCS-1-10, DCS-1-15
DCS-1-14, DSCS-1-9, DSCS-1-8, DSCS-1-17, DCS-1-13

CRD Cap

Weld: RCRD-1-33XX

The examinations performed by LMT revealed some geometric indication caused by mismatch or weld crown. Also, one spot indication was revealed in feedwater nozzle N4A.