



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
101 MARIETTA STREET, N.W.
ATLANTA, GEORGIA 30303

Report No.: 50-260/78-24

Docket No.: 50-260

License No.: DPR-52

Category: Safeguards, Group IV

Licensee: Tennessee Valley Authority
830 Power Building
Chattanooga, Tennessee 37401

Facility Name: Browns Ferry, Unit 2

Inspection at: Browns Ferry Site

Inspection Conducted: September 20-22, 1978

Inspector: J. W. Hodges

Reviewed by:

G. H. Williams
G. H. Williams, Chief
Material Control and Accountability
Section
Safeguards Branch

Date

Inspection Summary

Inspection on September 20-22, 1978 (Report No. 50-260/78-24)

Areas Inspected: Facility organization, shipping and receiving, storage and internal control, inventory, records, and reports. The inspection involved 16 man-hours on site by one inspector.

Results: No items of noncompliance were identified.

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DETAILS I

Prepared by:

J. W. Hodges
 J. W. Hodges, Safeguards Auditor
 Material Control and Accountability
 Section
 Safeguards Branch

Date

10/23/78

Dates of Inspection: September 20-22, 1978

Reviewed by:

G. H. Williams
 G. H. Williams, Chief
 Material Control and Accountability
 Section
 Safeguards Branch

Date

10/23/78

1. Persons Contacted

- *J. G. Dewease, Plant Superintendent
- H. L. Abercrombie, Assistant Plant Superintendent
- *R. G. Metke, Results Section Supervisor
- *J. L. Harness, QA Supervisor
- *Ray Cole, Operations, QA
- Leonard Blankner, Reactor Engineer
- *Stan Hinckle, SNM Aide

*Denotes those present at exit interview.

2. Facility Organization

The licensee is required under 10 CFR 70.51(e) to establish, maintain and follow written material control and accountability procedures which are sufficient to account for SNM in his possession.

Accountability control procedures were reviewed by the inspector. These procedures describe a satisfactory accountability control system, have been approved by appropriate licensee management, and are being followed.

Written statements of responsibility and authority have been established for those positions having responsibility for SNM receiving, shipping, inventory, storage, internal transfers, records and reports. Material balance areas are established and provide adequate physical and administrative control of SNM.

3. Shipping and Receiving

In accordance with the requirements of 10 CFR 70.51(b) the licensee

maintains records showing the receipt, shipment, and inventory (including location) of SNM in his possession.

4. Storage and Internal Control

In accordance with 10 CFR 70.51(b)(c) the licensee has established and is maintaining a system of internal control of fuel assemblies which provide knowledge of the quantity, identity, and current location of all assemblies. Tests were made of internal control records on the movement and location of fuel assemblies and no errors noted.

5. Physical Inventory

The inventory of fuel assemblies for Unit 2 consisted of 764 assemblies loaded in the reactor, 132 irradiated assemblies in the spent fuel pool, and 36 new fuel assemblies also stored in the spent fuel pool.

A current schematic of the reactor core was obtained and checked against the reactor status board maintained in the control room area. A piece count of assemblies in the spent fuel pool was made, and agreed with the schematic of the basin which showed fuel assembly numbers and where they were stored.

Documentation in support of previous inventories conducted at intervals specified in 10 CFR 70.51(d) was examined. No exceptions were noted.

6. Records and Reports

A 100% audit of transaction reports (Form NRC 741) for SNM receipts and shipments for the inspection period (May 4, 1974, through March 31, 1978) was made to determine compliance with the printed instructions. The examination revealed that these transaction reports have been completed according to the instructions.

Material status reports (Form NRC 742) have been filed as required by 10 CFR 70.53 and they accurately reflect the licensee's activity for the periods covered.

7. Exit Interview

An exit interview was held on September 22, 1978, with those persons indicated in paragraph 1 to discuss the findings of the inspection.