

UNITED STATES
ATOMIC ENERGY COMMISSION
DIRECTORATE OF REGULATORY OPERATIONS
REGION II - SUITE 818
230 PEACHTREE STREET, NORTHWEST
ATLANTA, GEORGIA 30303

TELEPHONE: (404) 526-4503

In Reply Refer To:
RO:II:LEF
50-390/74-3
50-391/74-3
(999-39)

JUN 13 1974

Tennessee Valley Authority
ATTN: Mr. J. E. Watson
Manager of Power
818 Power Building
Chattanooga, Tennessee 37401

Gentlemen:

This refers to the vendor inspection conducted by Mr. R. L. Brown of the Region I, Directorate of Regulatory Operations office on May 2-3, 1974, at the Rotterdam Dockyard Company located in Rotterdam, The Netherlands, relative to construction activities at the Watts Bar Units 1 and 2 facilities authorized by AEC Construction Permit Nos. CPPR-91 and CPPR-92 and to the discussion of our findings with Messrs. Catlin (TVA), Chiandone (W), Ester (RDM), and Raap (RDM) at the conclusion of the inspection.

Areas examined during the inspection and our findings are discussed in the enclosed inspection report. Within these areas, the inspection consisted of selective examination of procedures and representative records, interviews with personnel, and observations by the inspector.

Within the scope of this inspection no violations were identified.

We have also examined actions you have taken with regard to previously identified enforcement matters and unresolved items. The status of these items is identified in Sections II and IV of the summary of the enclosed report.

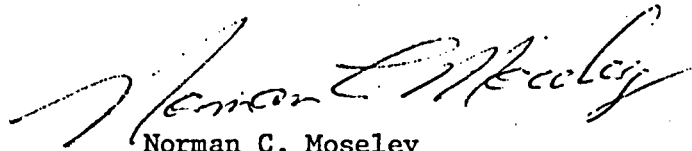
In accordance with Section 2.790 of the AEC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, a copy of this letter and the enclosed inspection report will be placed in the AEC's Public Document Room. If this report contains any information that you believe to be proprietary, it is necessary that you submit a written application to this office requesting that such information be withheld from public disclosure. If no proprietary information is identified, a written statement to that effect should be submitted. If an application is submitted, it must fully identify the bases for which information is claimed to be proprietary. The application should be prepared so that

JUN 13 1974

information sought to be withheld is incorporated in a separate paper and referenced in the application since the application will be placed in the Public Document Room. Your application, or written statement, should be submitted to us within 30 days. If we are not contacted as specified, the enclosed report and this letter may then be placed in the Public Document Room.

Should you have any questions concerning this letter, we will be glad to discuss them with you

Very truly yours,



Norman C. Moseley
Director

Enclosure:

RO Inspection Report Nos.
50-390/74-3 and 50-391/74-3
(999-39)

Letter to Tennessee Valley Authority from N. C. Moseley

dated JUN 13 1974

50-390/74-3

50-391/74-3 (999-39)

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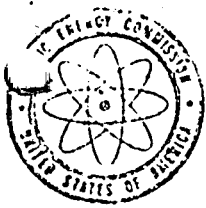
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RO Vendor Inspection Report Nos. 50-390/74-3
and 50-391/74-3 (999-39)

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

Facility Name: Watts Bar Nuclear Plant Units 1 and 2
Docket Nos.: 50-390 and 50-391
License Nos.: CPPR-91 and CPPR-92
Category: A2/A2

Location: Spring City, Tennessee

Type of License: W PWR, 1160 Mwe

Type of Inspection: Vendor, Announced

Vendor: Rotterdam Dockyard Company

Location: Rotterdam, The Netherlands

Dates of Inspection: May 2-3, 1974

Dates of Previous Inspection: April 23-25, 1974 (Facility)
October 25-26, 1973 (Vendor)

Inspector-In-Charge: R. L. Brown, Reactor Inspector
Region I

Accompanying Inspector: None

Other Accompanying Personnel: None

Principal Inspector: L. E. Foster
L. E. Foster, Reactor Inspector
Facilities Section
Facilities Construction Branch

6/10/74
Date

Reviewed By: J. G. Bryant
J. G. Bryant, Senior Inspector
Facilities Section
Facilities Construction Branch

6/10/74
Date

SUMMARY OF FINDINGS

I. Enforcement Action

A. Violations

None

B. Safety Items

None

II. Licensee Action on Previously Identified Enforcement Matters

A. Violations

73-1-A1 (999-39) Control and Audit of Purchased Equipment

The licensee has established an audit and shop surveillance program that appears to be in compliance with the requirements of 10 CFR 50, Appendix B, Criteria VII and XVIII. This item is considered resolved. (Details I, Paragraph 3)

B. Safety Items

None

III. New Unresolved Items

None

IV. Status of Previously Reported Unresolved Items

73-2/1 (999-39) Design Review and Documentation

The reactor vessels appear to be in conformance with the ASME Code, Winter 1971 Addenda. This item is considered resolved. (Details I, paragraph 4)

V. Design Changes

None

VI. Other Significant Findings

None

VII. Management Interview

- A. The inspector conducted a meeting with the following management representatives at the conclusion of the inspection:

Tennessee Valley Authority (TVA)

J. C. Catlin - Materials Engineer

Westinghouse Electric Corporation (WENESE)

A. Chiandone - Quality Assurance Engineer (Resident)

Rotterdam Nuclear (RN)

P. Ester - Quality Assurance Manager

P. K. Raap - Quality Assurance Project Engineer

- B. The following items were discussed:

1. The inspector stated that he had reviewed the documentation upgrading these vessels to meet the requirements of the ASME Codes, 1971 Edition and including the Addenda through Winter 1971 and that no deficiencies were identified. This item is considered resolved. (Details I, Paragraph 4)
2. The inspector stated that he audited the TVA procedures relative to shop surveillance and vendor audit and these documents appeared to be in compliance with the requirements of 10 CFR 50, Appendix B, Criteria VII and XVIII. This item is considered resolved. (Details I, Paragraph 3)
3. The inspector discussed the AEC procedure for handling reports and related documents prior to their placement in the Public Document Room.

DETAILS I

Prepared By: *R. L. Brown*
R. L. Brown, Reactor Inspector
Region I

6/12/74
Date

Dates of Inspection: May 2-3, 1974

Reviewed By: *J. H. Tillou*
J. H. Tillou, Senior Inspector
Region I

6/12/74
Date

1. Persons Contacted

Tennessee Valley Authority

J. C. Catlin - Materials Engineer

Westinghouse

A. Chiandone - Quality Assurance Resident Engineer

Rotterdam Nuclear

P. Ester - Manager Quality Assurance

P. K. Raap - Quality Assurance Project Engineer

2. General

The units 1 and 2 reactor vessels are scheduled to be shipped during the months of July and August 1974 respectively.

3. Control and Audit of Purchased Equipment

The inspector reviewed the licensee's procedures that establish and define the reactor pressure vessel shop surveillance and audit program relative to verification, witnessing and review to ensure conformance with specified requirements. These instructions appear to be in compliance with the requirements of 10 CFR 50, Appendix B, Criteria VII and XVIII. This item is considered resolved.

4. Document Review Relative to Vessel Upgrading

The inspector audited the documented results of the vendor's review of the design calculations, stress analysis, drawings, material examination and test results, nondestructive examination requirements, welding procedure and personnel qualifications relative to

upgrading the Watts Bar Units 1 and 2 vessels to the requirements of ASME Codes, 1971 Edition and including the Addenda through Winter 1971. No deficiencies were identified and this item is considered resolved.

These documents will be included in the final quality package for each vessel.

5. Record Review

The inspector reviewed variation notices V70, V71 and V74 relative to the unit 1 reactor vessel and variation notices V46 through V56 and manufacturing history for weld seams number W01 through W05 for Unit 2 reactor vessel. No violations were noted.

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RO Vendor Inspection Report Nos. 50-390/74-3 and 50-391/74-3 (999-39)

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