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

Report Nos. 50-438/79-03 and 50-439/79-03

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Licensee: Tennessee Valley Authority 500A Chestnut Street Tower II Chattanooga, Tennessee 37401

Facility Name: Bellefonte Nuclear Plant しまっていたか さつがつ とうねいみ Docket Nos. CPPR-122 and CPPR-123

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Date Signed

Inspection at Bollefonte Site near Hollywood, Alabama

Inspector:

Accompanying Personnel: W. P. Kleinsorge (Training)

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Approved by: T.E. Conlon, Section Chief, RC&ES Branch

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SUMMARY

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Inspection on February 20-23, 1979 والاسيان ويعليك وسوقيده والموجود والعاقلين اليواز والميار والعواد

Areas Inspected

This routine unannounced inspection involved 28 inspector-hours onsite in the areas of Licensee Action on Previous Inspection Findings; Housekeeping; Safety Related Structures (Welding I) - Review of Quality Records; Reactor Coolant Pressure Boundary Piping Observation of Work; Reactor Coolant Pressure Boundary Piping (Welding I) Observation of Work.

Results

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Of the five areas inspected, no apparent items of noncompliance or deviations were identified.

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DETAILS

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1. Persons Contacted

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Licensee Employees

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*W. R. Dahnke, Project Manager

*F. E. Gilbert, Construction Engineer *J. T. Walker, Construction Engineer, Assistant

*J. T. Barnes, QA Unit Supervisor

*D. F. Smith, Welding Engineering Unit Supervisor

*S. Rickman, ENDES - Licensing

*M. Linn, ENDES - Licensing

*D. L. Terrill, Power - Reg Staff

Other licensee employees contacted included several construction craftsmen, engineers, and office personnel.

*Attended exit interview.

2. Exit Interview

The inspection scope and findings were summarized on February 23, 1979 with those persons indicated in Paragraph 1 above. The inspector reviewed the status of unresolved item No. 438/78-20-01 and discussed the item of concern about equipment protection discussed in paragraph 5.

3.: Licensee Action on Previous Inspection Findings

(Open) Unresolved Item 50-438/78-20-01, Questionable Weld In Main Steam Line. The site has received an advance copy of a change to general specification G-29M which specifies limits on buttering of pipe spools to correct axial fit-up problems. The new requirements have not been included in QCP - 7.9 as yet. This item will remain open until the change to QCP - 7.9 is issued.

1977 - Andrew Alleren el antias el tras de la definita de la destructura de la destructura de la destructura de 1941 - Unresolved Items

Unresolved items were not identified during this inspection.

5. Independent Inspection

The inspector conducted a walk through inspection of the reactor buildings and auxiliary building. The primary reason for the inspection was to determine if welding materials were being properly controlled and that construction debris was not allowed to accumulate where it could adversely affect safety related materials or equipment.

The only incidence of note during this inspection was that plywood shelving used to store the heat treatment equipment and materials in Reactor Building No. 1 were supported by the let down heat exchangers installed in the area. This use of installed equipment to support storage shelves was pointed out to the licensee as a matter of concern. The fact that in this instance the materials were relatively lightweight, and there was adequate protection afforded the heat exchanger shell by the plywood, did not out weigh the fact that it was a dangerous procedure to allow the use of this type of equipment for storage support. This concern was addressed at the exit interview. The licensee acknowledged the concern and had the shelves removed from the let-down heat exchanger area prior to the completion of the inspection.

March 2014, Property - Little Alast During the remainder of the walk through inspection there were no ing in the design of the state other items of concern noted.

en sin fin tenne fat server menter menter There were no items of noncompliance or deviations in this area of inspection.

Safety Related Structures (Welding I) - Review of Quality Records (Units 1 and 2)

The second of the second of the second second and the second second second second second second second second s The inspector reviewed the quality records described below relative to welding of safety related structures/supports outside the containment to determine whether these records reflected work accomplishment consistent with NRC requirements and SAR commitments. The applicable code for this welding is the AWS Structural Welding Code with ASME B & PV Code Section III, Subsection NC Inspection Requirements as implemented by TVA Specification No. 3617 for Borated Water Storage Tanks.

and the second The inspector reviewed records of the following QA audits relative to welding of safety related structures and supports:

Audit Number	processible for the even registrer when
BN-5-78+02	Borated Water Storage Tank Erection, Juny 19 - August 4, 1978

BN-5-78-03 Bards Marker and Clarker Borated Water Storage Tank Erection, October 16 - 20, 1978

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6.

Item number 5 of audit number BN-5-78-02 was chosen for further investigation to determine whether proper, timely and adequate corrective action was taken. Lang balldon. The present of same for the response sur in dereasien if welling directele were wirg wroner's is trailed

Within the areas examined, there were no tiems of noncompliance or deviations identified. These by model and as a crisis of examples that

The inspector observed non-welding work activities for reactor coolant pressure boundary (RCPB) piping. The applicable code for installation of RCPB piping is the ASME B & PV Code, Section III, 1974 Edition through Summer 1974 Addenda.

Observation of specific work activities were conducted to determine conformance, where applicable, with the following; inspection and/or work procedures, record keeping requirements, installation specification requirements, specified materials and qualified inspection personnel.

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Activity of the State Contract	the secomponent of the second second	Procedure
Installation and Handling	Hot Leg "Candy Cane"	G-43
	Pipe Spool And Ot On	

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8. <u>Reactor Coolant Pressure Boundary Piping (Welding I)</u> - Observation of Work and Work Activities

The inspector observed field welding of reactor coolant pressure boundary piping at various stages of weld completion. The applicable Code for reactor coolant pressure boundary piping is the ASME B & PV Code, Section III, 1974 Edition through Summer 1974 Addenda as implemented by the TVA QA Program.

a. The inspector examined weld joints of pipe to pipe/ fitting (PPF) and pipe to component (PC) where welding was beyond to root pass to determine; weld/welder identification; qualified welder/weld procedure, periodic checks of welding variables, use of specified weld material, proper interpass temperature and where applicable pre-heat and post-weld heat treatment and physical appearance of weld (e.g., starts, stops, undercut and surface imperfections).

Joint NumberDescriptionDescriptionDescriptionINC-8Cross-over Pipe to PumpReactor Coolantthe inspector examined the following welds where nondestructivetesting (NDE) was in progress to determine; surface suitability,
specified NDE being performed and with qualified personnel.

Weld Joint Description System

INC 7

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Pump to Cold Leg

The inspector observed activities at weld material issue stations to determine adequacy of; weld material storage/ segregation, oven temperatures, issue records and return of unused weld material. Also observed work areas for uncontrolled weld material.

Within the areas examined, there were no items of noncompliance or deviations identified.

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