


Mr. James P. O'Reilly, Director  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Region II - Suite 1217  
230 Peachtree Street, NW.  
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - NRC INSPECTION REPORT RII:BRC  
50-390/78-3, 50-391/78-2 - FINAL RESPONSE TO INFRACTION 78-02-01

The subject letter dated February 27, 1978, cited TVA with one infraction item. Enclosed is our final response to this infraction.

Very truly yours,

  
J. E. Gilleland  
Assistant Manager of Power

Enclosure

cc: Dr. Ernst Volgenau, Director (Enclosure)  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

ENCLOSURE

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2  
RESPONSE TO INFRACTION 78-02-01

INFRACTION  
390/78-02-01

Not Following Weld Control Procedures

Criterion V of Appendix B to 10 CFR 50, as implemented by the FSAR, paragraph 17.1A.5, requires in part that, "Activities affecting quality shall be prescribed by documented instructions, procedures, . . . and shall be accomplished in accordance with these instructions, procedures, . . . ."

Contrary to the above requirement, procedures for the control and documentation of welding were not being followed in two instances as follows:

- A. On January 25, the inspector noted that an exit purge gas hold point for a Class 1 pipe weld was signed off on the operation sheet and the weld was released for welding with an exit purge gas oxygen content of approximately 1½%. Paragraph 14.14 of Process Specification 1.M.1.1.2(a) of TVA Specification G29M requires that when the exit gas is analyzed for welds requiring a purge, the oxygen content shall be less than 1%.
  
- B. On January 24, the inspector noted that work for two reactor coolant pipe weld joints had progressed beyond inspection hold/witness points without the hold/witness points being signed off on the operation sheets. Also, for one of the joints, there were no NDE Data Sheets available to verify that the inspection to which the hold/witness point applied had actually been performed. This is in noncompliance with TVA procedures (1) QCP-4.1, paragraph 2.3.3, which requires, in part, "All operations and hold or witness points shall be signed off and dated after acceptance by the designated function to provide records and quality status . . . ." and (2) Section 6.1 of the NCM manual which requires the "NDE Evaluation Sheets" be completed and filed as part of the QA record.

RESPONSE: Corrective Action Taken and Results Achieved

A. The inspector responsible for this failure to comply with procedure has been given individual instructions on the specific requirements of purge gas analysis and the importance of accurate documentation. All welding inspector group leaders have reinstructed their personnel on procedure compliance.

B. Weld No. 2-068G-W002-01

Root pass visual and NDE of the partially completed weld was not required by the operation sheet as issued. The examinations were added on a random basis for information only. The inspector conducted and documented an examination that was not required by the operation sheet. No corrective action required.

Weld No. 2-068C-W003-02

NDE data has been reconstructed to complete the missing NDE evaluation sheet. End prep examination data was transferred from the previous NDE sheet made at the time of examination (9-20-77). Root pass visual was verified by the inspector who conducted the examination. The missing documentation covered examinations that are not required by Section III of the B&PV Code but were imposed by TVA to provide additional in-process information. No further action required.

Corrective Action Which Will Be Taken To Avoid Further Noncompliance

None required.

Date When Full Compliance Will Be Achieved

Full compliance for both A and B was achieved on January 30, 1978.