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 FACIL:50-438 Bellefonte Nuclear Plant, Unit 1, Tennessee Valley Au 05000438
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 MILLS,L.M. Tennessee Valley Authority
 CIP.NAME RECIPIENT AFFILIATION
 EILLY,J.P. Region 2, Atlanta, Office of the Director

SUBJECT: Forwards suppl response to deficiency noted in IE Insp
 50-438/79-11 & 50-439/79-11 re failure to follow procedures
 for control of welding matl.

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 TITLE: CONSTRUCTION DEFICIENCY REPORT (10CFR50.55E).

NOTES: -----

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TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

August 21, 1979

Mr. James P. O'Reilly, Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Region II - Suite 3100
101 Marietta Street
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

BELLEFONTE NUCLEAR PLANT UNIT 1 - SUPPLEMENTAL RESPONSE TO INFRACTION
50-438/79-11-01 - FAILURE TO FOLLOW PROCEDURES FOR CONTROL OF WELDING
MATERIALS

On June 26, 1979, TVA responded to C. E. Murphy's letter dated May 31, 1979, RII:EJV 50-438/79-11, 50-439/79-11, concerning activities at the Bellefonte Nuclear Plant which appeared to have been in violation of NRC regulations. Enclosed is our supplemental response to the additional examples of the same item identified in your letter dated July 30, 1979, RII:WPK 50-438/79-14, 50-439/79-14.

If you have any questions concerning this matter, please get in touch with D. L. Lambert at FTS 854-2581.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills, Manager
Nuclear Regulation and Safety

Enclosure

cc: Mr. Victor Stello, Jr., Director (Enclosure)✓
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

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ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNIT 1
INFRACTION 79-11-01
FAILURE TO FOLLOW PROCEDURES FOR CONTROL OF WELDING MATERIALS
SUPPLEMENTAL RESPONSE

Infraction 50-438/79-11-01

As required by 10 CFR 50, Appendix B, Criterion V, as implemented by the FSAR, paragraph 17.1.5, activities affecting quality shall be prescribed by documented instructions and procedures and shall be accomplished in accordance with these instructions and procedures. QC Procedure BNP-QCP-8.1, R3 states that all welding materials must be properly stored and that all unused coated electrodes shall be returned to the control center within four hours.

Contrary to the above, two bundles (about five pounds) of 7018 coated electrodes were found unattended and improperly stored in the fuel storage building, top floor (667-foot elevation). No welders were in the area and the rods were confiscated after shift change.

During a subsequent inspection on June 12-15, 1979, additional examples of the same item of noncompliance were uncovered and were detailed in Inspection Report RII:WPK 50-438/79-14, 50-439/79-14.

Corrective Action Taken and Results Achieved

An apparent willful violation of BNP-QCP-8.1, R3, "Weld Filler Material Control," by a craft welder resulted in this infraction. As required by procedure, the E7018 electrodes were supposed to be returned to a rod control center within the allotted time indicated on the rod control issue slip. However, there was no rod control slip with the filler metal when discovered by the NRC inspector, and, consequently, no positive identification of the welder or the allowable exposure time could be ascertained.

Welding Engineering Unit employees have increased surveillance activities in Auxiliary Building Phase II, all elevations, as well as other project areas. This surveillance is being documented on the "Welding Surveillance Weekly Checklist" (Attachment B of BNP-QCP-8.1) under the heading of "Other." This increased surveillance has led to the discovery of other instances of uncontrolled filler material which have been corrected.

In addition, a memorandum was issued by the General Construction Superintendent on June 11, 1979, to craft employees regarding the importance of filler material control.

Steps Taken to Avoid Further Recurrence

Craft employees have been reinstructed as to the importance of proper filler metal control. Any welders violating the requirements of BNP-QCP-8.1, R3 will have their welding certifications revoked.

Date of Full Compliance

As a result of the actions taken to correct this problem, TVA was in full compliance on June 20, 1979.