



UNITED STATES  
ATOMIC ENERGY COMMISSION  
DIVISION OF COMPLIANCE  
REGION III  
799 ROOSEVELT ROAD  
GLEN ELLYN, ILLINOIS 60137

*Anderson*

September 3, 1971

Toledo Edison Company  
ATTN: Mr. Glenn J. Sampson  
Vice President, Power  
420 Madison Avenue  
Toledo, Ohio 43601

Docket No. 50-346

Gentlemen:

This refers to the inspection conducted by Messrs. Jones and Hayes of this office on June 8-10, 1971, of construction activities at the Davis-Besse construction site authorized by AEC Construction Permit No. CPPR-80 and to the discussions of our findings at the conclusion of the inspection with Messrs. Lenardson, Eichenauer, Moring and others of your staff.

Areas examined during the inspection included recent additions to the Toledo Edison Company (TECO) Quality Assurance staff, concrete reinforcement and placement activities, fabrication of the spent fuel pool liner, fabrication of the reactor containment structure, and a review of provisions to assure that thickness measurements of Class I valve body castings have been made so that drawing and calculational requirements can be verified. Within these areas, the inspection consisted of selective examination of procedures and representative records, interviews with plant personnel, and observations by the inspectors.

During the inspection, it was found that certain of your activities appear to be in nonconformance with 10 CFR 50, Appendix B. The items and references to the pertinent requirements are listed in the enclosure to this letter. Please provide us within 30 days, in writing, with your comments concerning these items, any steps which have been or will be taken to correct them, any steps that have been or will be taken to prevent recurrence, and the date all corrective actions or preventive measures were or will be completed. Your reply should emphasize, in particular, any appropriate changes that have been or will be made to improve the effectiveness of your quality assurance program.

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With regard to questions raised during the inspection concerning the following: (1) a possibility that the shield building wall plumbness is not within the tolerance limit of the specifications, and (2) provisions to assure that Class I valve casting wall thickness measurements have been made so that drawing and calculational requirements can be verified, we understand that additional information and data will be collected and made available for our review. We will examine these matters further during our next routine inspection.

If you have any questions concerning this inspection, we will be glad to discuss them with you.

Sincerely yours,

Boyce H. Grier  
Regional Director

Enclosure:  
Description of Noncompliance Items

cc: L. E. Roe, Project Engineer, (Home Office)  
J. A. Lenardson, QA Engineer, (Site)

bcc: J. B. Henderson, CO (5)  
A. Giambusso, CO  
L. Kornblith, CO  
R. H. Engelken, CO  
DK Central Files

ENCLOSURE

DOCKET NO. 50-346

Certain activities under your construction permit appear to be in nonconformance with 10 CFR 50, Appendix 3, as indicated below:

1. 10 CFR 50, Appendix B, Section VII, states, in part, that ". . . Measures shall be established to assure that purchased material, equipment, and services . . . conform to the procurement documents." The Bechtel Technical Specification No. 7749-C-25, Paragraph 6.2.3, states in regard to Fly Ash testing: ". . . The certified mill test report must be approved by the Construction Manager to qualify the supplier and commence delivery to the job site. Each subsequent delivery shall be accompanied by a statement certified by the supplier attesting that the Fly Ash produced in a continuous fashion is sampled for chemical and physical tests at the representative rate indicated in specification ASTM C311-68." The Nicholson Concrete and Supply Company QA/QC manual, Pages 4 and 5, states, in part, that: "This fly ash conforms to specification ASTM C-618 Class F. The Nicholson's plant superintendent will not permit the unloading of any delivered materials prior to receiving two certified copies of the mill test report."

Contrary to the above, Fly Ash is delivered to the site and used without receipt of the required certifications.

2. 10 CFR 50, Appendix B, Section V, states, in part, that: "Activities affecting quality shall be prescribed by documented instructions, procedures, or drawings, of a type appropriate to the circumstances and shall be accomplished in accordance with these instructions, procedures, or drawings."

Contrary to the above, documented instructions were not followed on one occasion when one load (nine cubic yards) of concrete, designed for use in the reactor shield building, was inadvertently placed in the spent fuel pit floor slab. While the mix design of the misplaced concrete was acceptable for either location, this situation was not detected even though the concrete delivery ticket was signed by both the testing laboratory representative at the batch plant and the QC engineer at the pour site.