



REF: 86

(Closed) - Unresolved Item (352/79-03-06) 1

Structural beams were over ground at the splice joints. The licensee issued Nonconformance Report (NCR) 3503 which dispositioned the problem by adding splice plates over the joint areas. The NRC inspector verified that the repairs were made in accordance with the NCR by visually examining the joints on beams B11A and B2A (reference: vendor drawing 8031-C431-403A-6).

This item is closed.

(Closed) - Unresolved Item (352/79-04-02) 7

Manufacturing problems were identified in the ITI Phillips Red Head concrete anchor bolts. Some plugs were made with concave sides and others were made with cadmium plating rather than zinc. The licensee issued PECO Finding Report N-160 describing the problem. NCR's 3592, 3593, and 3736 were issued calling for inspections of warehouse stocks to identify nonconforming plugs. The nonconforming plugs were replaced with acceptable ones by the manufacturer.

The licensee performed tests on defective anchor bolt types to determine the severity of the problem. The test results indicate that the non-selfdrilling anchor bolts perform satisfactorily and these are the type used at Limerick.

The inspector reviewed the test report and site purchase records to verify the licensee's findings.

This item is closed.

(Closed) - Noncompliance (81-01-02) 7 Welding of electrical supports to heavy structural elements was performed without the required preheating. The licensee did the following to correct the noncompliance:

- 1) Held a training session on January 22, 1981 to retrain all personnel responsible for electrical welding preheat including quality control.
- 2) Revised Job Rule G-16 to more clearly describe the conditions under which preheat is necessary.
- 3) Reviewed industry codes, standards, and previous welding procedure qualifications to establish evidence for the support of non-preheat practices.

The inspector reviewed the foregoing information and verified that training had been given as described and that Job Rule G-16 had been revised. He requested that additional testing be performed on the cited weld and welds with similar joint configurations. This would provide added assurance that the lack of preheat was not detrimental to the materials. The licensee performed magnetic particle testing of the cited weld and three others. All welds were acceptable.

This item is closed.

(Closed) ~~Unresolved Item (352/01-04-05)~~

The weld filler metal did not appear to satisfy the requirements of ASME III Code, SFA-5.4 for the fillet weld test. It was determined that the fillet weld test is an optional requirement and only required if the purchaser invokes it. The requirement was not invoked in this case.

This item is closed.

(Closed) ~~Unresolved Item (352/01-04-03)~~

The weld joint preparation for the containment electrical penetrations did not appear to be testable by ASME III Code standards. The licensee performed preliminary tests and determined that the joint design produced questionable test results. The weld end preparations have been changed to an open butt and the installed penetrations removed and remachined.

This item is closed.

4. Construction Deficiency Reports

(Closed) 76-00-01 Reactor Pressure Vessel (RPV) Fire

The inspector reviewed the final report, "Assessment of Reactor Vessel Condition Subsequent to Fire in Cooldown Phase...", which describes the fire, the corrective actions, and the tests performed. He reviewed the RPV records and verified that the damaged safe-end was replaced.

(Closed) 77-00-01 Cracked Reactor Building Beams

The NRC staff reviewed the licensee's final report and concurred with the corrective actions taken (Reference: AITS F12139H1).

These items are closed.