

SSER

FINAL

Task: Allegation A-24

Reference No.: 4-83-A-81-A5

Characterization: The allegation is that the Fischbach and Moore (F&M) response to LP&L construction quality assurance (QA) comments on the containment building electrical penetrations was not adequate.

Assessment of Allegation: The implied significance of this allegation is that improperly welded and inspected penetrations could cause the quality of the installation to be in question.

The allegation arose from an April 23, 1983, F&M letter to LP&L which covered six specific containment electrical penetrations (Nos. 101, 111, 118, 125, 133, and 135) and covered responses to LP&L construction QA comments on the documentation packages.

The QA comments involved the following three concerns: (1) the lack of nondestructive examination (NDE) of welds; (2) a lack of inspection initials for weld bead width; and (3) missing inspection reports.

The NRC staff reviewed the three concerns as follows:

1. The basis for F&M not performing NDE on the seal weld for the penetration header plates was related to problems that had been identified with the "Lee plugs" or gundrill plugs on the penetrations. This issue was identified and resolved as part of Nonconformance Report No. W3-1755.

Although the lack of NDE to demonstrate weld adequacy was an apparent problem, the basis for this conclusion was the fact that F&M work on penetrations was only for the secondary side of the penetrations. The primary side welding was performed by Tompkins-Beckwith (T-B) and included "N" stamping, in accordance with ASME Code requirements. The primary side welding was considered the safety-related boundary. The NRC staff found the resolution of this issue to be adequate.

2. The lack of inspection sign-off (initials) for the weld bead width was related to the inspection report form, which did not require an initial for this line item. However, the form did require an initial for verification that the welders and inspector's stamp was applied to indicate weld acceptance. Based on the Quality Control Check-list sign-off, the initials were then added for the weld bead width indicating acceptance. The NRC staff found this action to be adequate.
3. To resolve the problem of the missing inspection reports, F&M included copies of existing inspection reports to make the packages complete. The NRC staff found this acceptable.

The NRC staff concludes that all comments were adequately addressed. This allegation has neither safety significance nor generic implications.

[Potential Violations: None.] 4

Actions Required: None.

References

1. Letter dated April 23, 1983 to LP&L from F. Brown of Fischbach and Moore.
2. Fischbach and Moore Inspection Report 306-27-84 for Penetration 101.
3. Fischbach and Moore Document Packages for Penetration 101, 111, and 125.
4. Ebasco NCR-W3-1755 regarding Penetration.
5. Fischbach and Moore Inspection Report 306

Statement Prepared By: _____ Date Thatcher _____ Date

Reviewed By: _____ Team Leader _____ Date

Reviewed By: _____ Site Team Leader(s) _____ Date

Approved By: _____ Task Management _____ Date