

Appendix A

NOTICE OF DEVIATION

Commonwealth Edison
Company

Docket No. 50-456
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Based on the results of the NRC inspection conducted on May 3, 1979, it appears that one of your activities is not being conducted in conformance with your commitment to the Commission in the PSAR. The following item is a deviation.

Braidwood PSAR Section 1.7 commits to Regulatory Guide 1.19, August 11, 1972, Nondestructive Examination of Primary Containment Liner Welds.

Braidwood PSAR, Section 3.8.2.6.7, Nondestructive Examination of the Liner Plate Welds, states, in part, that, "...all examination procedures will be in accordance with Appendix X to Section III and Section V of the ASME B&PV Code." (Appendix X to Section III and Article 2 of Section V are acceptable methods of meeting the requirements of Regulatory Guide 1.19 since their examination requirements are equivalent to those required by the regulatory guide.)

Appendix X to Section III of the ASME Boiler and Pressure Vessel Code Table X3325.1-1, Standard Penetrameter Sizes, requires that a penetrameter for weld thickness range of over 1/4" through 3/8" be of a thickness of 0.0075" and designated a No. 7 penetra-meter. The liner plate is 1/4" thick.

Contrary to the above, Sargent and Lundy specification No. L-2725, Division 2-602.6, Subdivision 6.1.1 requires that "The contractor shall perform all radiographic examination in accordance with the requirements of Article 3, ASME Section V, which requires in Table T-320, Thickness Penetrameter Designations and Essential Holes, that a penetrameter for a single wall material thickness range of over 1/4" through 3/8" be a size No. 12, which has a penetrameter thickness of 0.012". This No. 12 penetrameter is 60% thicker than the No. 7 penetrameter that is specified in Appendix X to Section III of the ASME Boiler and Pressure Vessel Code.

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