

Appendix A

NOTICE OF VIOLATION

Commonwealth Edison Company

Docket No. 50-454

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Based on the inspection conducted on June 17, 18, and 19, 1980, it appears that one of your activities was in noncompliance with NRC requirements, as noted below. This item is an infraction, and is applicable to both Units 1 and 2.

10 CFR 50, Appendix B, Criterion III, states, in part, that "Measures shall be established to assure that applicable...design basis...for those structures, systems, and components...are correctly translated into specifications, drawings, procedures, and instructions."

Commonwealth Edison Company Topical Report CE-1-A, "Quality Assurance Program for Nuclear Generating Stations", Revision 9, dated July 16, 1979, states in Paragraph 3.1 that "The fundamental vehicle for design control involves multi-level review and/or evaluation of design documents by individuals or groups other than the original designer or designer's immediate supervisor whose authority and responsibility are identified and controlled by written procedures. The design documents include, but are not limited to, design and construction specifications, equipment specifications, and process drawings. Review of and evaluation by the Architect Engineer will assure that designs and materials will conform to the ASME Code and other applicable codes, standards, regulatory requirements, SAR commitments, and appropriate quality Standards as applicable.

10 CFR 50, Appendix A, Criterion IV, states "Structures, systems, and components important to safety shall be designed to accommodate the effects of and be compatible with environmental conditions associated with normal operation, maintenance, testing, and postulated accidents, and loss-of-coolant accidents. These structures, systems, and components shall be appropriately protected against dynamic effects, including the effects of missiles, pipe whipping, and discharging fluids that may result from equipment failures and from events and conditions outside the nuclear power plant."

10 CFR 50, Appendix A, Criterion V, states "Structures, systems and components important to safety shall not be shared among nuclear power units unless it can be shown that such sharing will not significantly impair their ability to perform their safety functions, including, in the event of an accident in one unit, an orderly shutdown and cooldown of the remaining units".

Contrary to the above, it was determined that CECO did not ensure that Sargent and Lundy adequately translated the requirements in 10 CFR 50, Appendix A, Criterion IV and V, in the design of the cooling water supply to the Emergency Diesel Generator 1A in the following instances:

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1. A common header is installed in the room housing Emergency Diesel Generator 1B to supply the cooling water to Diesel Generators 1A and 1B.
2. The "to" and "return" cooling water lines to Diesel Generator 1A pass through the room housing Unit 1B. In the event of an accident in Unit 1B emergency diesel generator room, both Emergency Diesel Generators 1A and 1B could become inoperable due to loss of cooling water.