VALUE IMPACT STATEMENT

REGULATORY GUIDE 1.136, REVISION 2, "MATERIALS, CONSTRUCTION AND TESTING OF CONCRETE CONTAINMENTS"

This guide provides information regarding the NRC staff's positions on the acceptability for NRC licensing actions of CC 1000, 2000, 4000, 5000, 6000, and 7000 of the Code for Concrete Reactor Vessels and Containments published jointly by the American Society of Mechanical Engineers (ASME Boiler and Pressure Vessel Code, Section III, Division 2, 1977 Edition) and the American Concrete Institute (ACI Standard 359-77) and through Winter 1978 Addenda to the Code. In those areas where the NRC staff finds provisions of the referenced Code not sufficient for licensing purpose, supplementary guidelines are given in the regulatory position.

Issuance and implementation of this guide will provide the NRC reviewers and applicants a common basis of understanding what the minimum requirement of materials, construction, and testing for concrete containments are, thus minimizing potential subjective interpretations on the degree of acceptability for materials, construction and testing of concrete containments.

Most Code requirements are now being accepted by the industry and NRC. Therefore, the endorsement of these Code requirements would have no further impact as far as industry practices go. Regulatory Positions C1 through C4 have been previously

stated in the Revision 1 guide, but Regulatory Positions C5 and C6 are newly proposed. Regulatory Position C5 recommends a good construction practice that would eliminate the unwanted materials from being left in the concrete. Regulatory Position C6 recommends that a retest be conducted or remedial measures be undertaken when containments fail to pass an acceptance test. These would not have any negative impact on the industry.