1.0 INTRODUCTION

Westinghouse is in the process of developing an Advanced Pressurized Water Reactor (WAPWR) design for domestic as well as international application in the late 1980's-1990's time frame. This total plant design is being developed through a major cooperative effort with a Japanese vendor and is directed toward the establishment of final design detail and completion of an extensive test program by the end of 1985.

Westinghouse believes that ensuring compliance with the WAPWR design with current licensing requirements is best satisfied through consideration of regulatory requirements and guidance as an integral part of the initial design process. Westinghouse also has a unique opportunity to optimally address new and pontential future licensing requirements in the WAPWR design. Westinghouse plans to take full advantage of this design optimization opportunity with the goal of achieving assurance that the fundamental WAPWR design will remain relatively unchanged as a result of future regulatory changes.

This report presents the bases for the WAPWR design in response to licensing requirements consistent with the Proposed Commission Policy Statement on Severe Accidents and Related Views on Nuclear Reactor Regulation (48FR16014, April 13, 1983). For the purpose of this report, licensing requirements have been categorized as follows:

- o Historical requirements
- o Recent new or revised requirements
- o Potential future requirements

The major sections of this report address the latter two categories of licensing requirements (i.e., recent new or revised requirements and potential future requirements) including a description of the planned course of action for addressing the requirements in the <u>WAPWR</u> design.

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WESTINGHOUSE PROPRIETARY CLASS 2

The sources of licensing requirements considered by Westinghouse as comprising these two categories are discussed in Section 2.0.

The appendices to this report, which present design bases for specific WAPWR structures, systems, components, features, etc., address all three categories of licensing requirements and are intended to be used directly in the licensing process for the WAPWR design.