FINAL SAFETY ANALYSIS REPORT INTRODUCTION

This Final Safety Analysis Report (FSAR) is a repository of information comprising the U.S. EPR™ standard design. The FSAR also provides design-related information that is to be incorporated by reference into the U.S. EPR™ design certification rule as an appendix of 10 CFR Part 52 following NRC approval. The FSAR contains this introduction, the Tier 1 information and the Tier 2 information for the U.S. EPR™ standard design. Further sections of this introduction summarize the contents and use of the FSAR.

1.0 Tier 1 Information

Tier 1 means the portion of the design-related information contained in the U.S. EPR™ FSAR that is approved and certified by the NRC. Tier 1 information includes:

- Definitions and general provisions.
- Design descriptions.
- Inspections, tests, analyses, and acceptance criteria (ITAAC).
- Significant site parameters.
- Significant interface requirements between the U.S. EPR™ standard design and systems that are wholly or partially outside the scope of the U.S. EPR™ standard design.

The Tier 1 information also includes a table of contents, a figure legend, and an abbreviation and acronyms list.

2.0 Tier 2 Information

Tier 2 means the portion of the design-related information contained in the U.S. EPR™ FSAR that is approved but not certified by the NRC. Tier 2 information includes:

- Information required by 10 CFR 52.47.
- Supporting information on the inspections, tests, and analyses that will be performed to demonstrate that the acceptance criteria in the ITAAC have been met.
- Combined license (COL) information items which identify certain matters that shall be addressed in the site-specific portion of the FSAR by an applicant who references the U.S. EPR™ design certification rule.

Tier 2 also includes conceptual designs for those portions of the plant that are outside

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the scope of the U.S. EPR™ standard design, and which are designated as out-of-scope in various places in the Tier 2 information. Those portions of the U.S. EPR™ standard design for which conceptual design information is included in the Tier 2 information are identified and listed in Section 1.8 of the Tier 2 information. Conceptual design information is delineated by double brackets ([[ ]]).

Tier 2 also includes generic technical specifications.

3.0 Relationship of the Tier 1 Information to the Tier 2 Information

The design descriptions, interface requirements, and site parameters in Tier 1 are derived from Tier 2 information.

Compliance with Tier 2 is required, but generic changes to, and plant-specific departures from, Tier 2 will be governed by the U.S. EPR™ design certification rule. Compliance with Tier 2 provides a sufficient, but not the only acceptable, method for complying with Tier 1. Compliance methods differing from Tier 2 must satisfy the change process in the U.S. EPR™ design certification rule.

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