

1.0 INTRODUCTION AND SUMMARY
TABLE OF CONTENTS

1.1	Project Identification	1.1-1
1.1.1	Identification and Qualification of Contractors.....	1.1-1
1.1.2	Licensing Basis Documents.....	1.1-3
1.2	Definitions.....	1.2-1
1.3	Methods of Technical Presentation	1.3-1
1.3.1	Purpose	1.3-1
1.3.2	Radioactive Material Barrier Concept	1.3-1
1.3.3	Organization of Contents	1.3-1
1.3.4	Format Organization of Sections.....	1.3-2
1.3.5	Power Level Basis for Analysis of Abnormal Operational Transients and Accidents	1.3-3
1.4	Classification of BWR Systems, Criteria, and Requirements for Safety Evaluation.....	1.4-1
1.4.1	Introduction	1.4-1
1.4.2	Classification Basis	1.4-1
1.4.3	Use of the Classification Plan	1.4-2
1.5	Principal Design Criteria	1.5-1
1.5.1	Principal Design Criteria Classification-by-Classification	1.5-1
1.5.2	Principal Design Criteria, System-By-System	1.5-7
1.6	Plant Description	1.6-1
1.6.1	General	1.6-1
1.6.2	Nuclear Safety Systems and Engineered Safeguards	1.6-9
1.6.3	Special Safety Systems	1.6-15
1.6.4	Process Control and Instrumentation.....	1.6-15
1.6.5	Auxiliary Systems.....	1.6-19
1.6.6	Shielding	1.6-22
1.6.7	Implementation of Loading Criteria	1.6-22
1.7	Comparison of Principal Design Characteristics.....	1.7-1
1.7.1	Nuclear System Design Characteristics	1.7-1
1.7.2	Power Conversion Systems Design Characteristics	1.7-1
1.7.3	Electrical Power Systems Design Characteristics.....	1.7-1
1.7.4	Containment Design Characteristics	1.7-1
1.7.5	Structural Design Characteristics.....	1.7-2
1.7.6	Discussion of Core Design Improvement.....	1.7-2

1.0 INTRODUCTION AND SUMMARY
TABLE OF CONTENTS (Cont'd)

1.8	Summary of Radiation Effects	1.8-1
1.8.1	Normal Operation.....	1.8-1
1.8.2	Abnormal Operational Transients	1.8-1
1.8.3	Accidents	1.8-1
1.9	Plant Management	1.9-1
1.10	Quality Assurance Program.....	1.10-1
1.11	Identification-Resolution of Construction Permit Concern - Summary.....	1.11-1
1.11.1	General	1.11-1
1.12	General Conclusions	1.12-1

INTRODUCTION AND SUMMARY

LIST OF TABLES

<u>Table</u>	<u>Title</u>
1.3-1	List of FSAR Engineering Drawings
1.3-2	Engineering Drawings Cross-Reference List
1.4-1	BWR Safety Engineering Concept for Classification of BWR Systems, Criteria, and Requirements for Safety Evaluation
1.4-2A	Classification of BWR Systems, Criteria, and Requirements for Safety Evaluation
1.4-2B	Classification of BWR Systems, Criteria, and Requirements for Safety Evaluation
1.7-1	Comparison of Nuclear System Design Characteristics
1.7-2	Comparison of Power Conversion Systems Design Characteristics
1.7-3	Comparison of Electrical Power System Design Characteristics
1.7-4	Comparison of Containment Design Characteristics
1.7-5	Comparison of Containment Design Characteristics
1.11-1	Browns Ferry Nuclear Plant Topical Reports Submitted to the AEC in Support of Docket
1.11-2	Browns Ferry Nuclear Plant AEC-ACRS Concerns - Resolutions
1.11-3	Browns Ferry Nuclear Plant AEC-Staff Concerns - Resolutions Units 1 and 2
1.11-4	AEC-Staff Concerns - Resolutions Unit 3
1.11-5	AEC-ACRS Concerns On Other Dockets - Resolutions
1.11-6	AEC-ACRS Concerns On Other Dockets - Capability for Resolution

INTRODUCTION AND SUMMARY

LIST OF ILLUSTRATIONS

Figure

Title

1.2-1	Relationship Between Safety Action and Protective Action
1.2-2	Relationship Between Protective Functions and Protective Actions
1.2-3	Relationships Between Different Types of Systems, Actions, and Objectives
1.3-1	Piping and Instrument Symbols
1.3-2	General Symbols Flow Diagram
1.6-1	[REDACTED]
1.6-2	[REDACTED]
1.6-3 sht 1	[REDACTED]
1.6-3 sht 2	[REDACTED]
1.6-4	[REDACTED]
1.6-5	[REDACTED]
1.6-6	[REDACTED]
1.6-7	[REDACTED]
1.6-8 sht 1	[REDACTED]
1.6-8 sht 2	[REDACTED]
1.6-8 sht 3	[REDACTED]
1.6-9	[REDACTED]
1.6-10	[REDACTED]
1.6-11	[REDACTED]
1.6-12	[REDACTED]
1.6-13	[REDACTED]
1.6-14	[REDACTED]
1.6-15	[REDACTED]
1.6-16	[REDACTED]
1.6-17	[REDACTED]
1.6-18	[REDACTED]
1.6-19	[REDACTED]
1.6-20	Deleted
1.6-21	Deleted
1.6-22	Deleted
1.6-23	[REDACTED]
1.6-24	[REDACTED]

INTRODUCTION AND SUMMARY
LIST OF ILLUSTRATIONS (Cont'd)

<u>Figure</u>	<u>Title</u>
1.6-25	[REDACTED]
1.6-26	[REDACTED]
1.6-27	[REDACTED]
1.6-28	Reactor Heat Balance - 3952 MWt
1.6-29 sht 1	Turbine-Generator Heat Balance - Rated Power (Unit 2)
1.6-29 sht 2	Turbine-Generator Heat Balance - Rated Power (Unit 3)
1.6-29 sht 3	Turbine-Generator Heat Balance - Rated Power (Unit 1)
1.6-30	General Plant Systems Flow Diagram