

TABLE OF CONTENTS

6.0 EMERGENCY CORE COOLING SYSTEMS

6.1	Safety Objective.....	6.1-1
6.2	Safety Design Basis.....	6.2-1
6.3	Summary Description-Emergency Core Cooling Systems.....	6.3-1
6.4	Description.....	6.4-1
6.4.1	High Pressure Coolant Injection System.....	6.4-1
6.4.2	Automatic Depressurization System	6.4-7
6.4.3	Core Spray System	6.4-8
6.4.4	Low Pressure Coolant Injection System.....	6.4-11
6.5	Safety Evaluation.....	6.5-1
6.5.1	Summary.....	6.5-1
6.5.2	Performance Analysis	6.5-2
6.5.3	Integrated Operation of the Emergency Core Cooling Systems.....	6.5-10
6.5.4	Emergency Core Cooling Systems Redundancy	6.5-15
6.5.5	Potential Plugging of Emergency Core Cooling System Suction Strainers	6.5-15
6.6	Inspection And Testing	6.6-1

BFN-26

EMERGENCY CORE COOLING SYSTEMS

LIST OF TABLES

Table	Title
6.3-1	Emergency Core Cooling Systems Equipment Design Data Summary
6.4-1	(Deleted)
6.5-1	Plant Parameters Used in LOCA Analysis
6.5-2	ECCS Equipment Capacity Assumed in LOCA Analysis
6.5-3	Single Failure Evaluation Used for LOCA Analysis
6.5-4	Sequence of Events for Limiting Recirculation Discharge Line Break - Battery Failure (SAFER/GESTR-LOCA), Appendix K Case)
6.5-5	(Deleted)
6.5-6	EPU Containment Overpressure
6.5-7	(Deleted)

EMERGENCY CORE COOLING SYSTEMS

LIST OF ILLUSTRATIONS

Figure	Title
6.3-1	(Deleted)
6.4-1	HPCI System - Mechanical Control Diagram
6.4-2	Core Spray System, Flow Diagram
6.4-3	HPCI System - Mechanical Control Diagram
6.4-4	Core Spray System - Flow Diagram
6.4-5	HPCI System - Mechanical Control Diagram
6.4-6	Core Spray System - Flow Diagram
6.5-1	(Deleted)
6.5-2	(Deleted)
6.5-3	(Deleted)
6.5-4	(Deleted)
6.5-5	(Deleted)
6.5-6	(Deleted)
6.5-7	(Deleted)
6.5-8	(Deleted)
6.5-9	(Deleted)
6.5-10	(Deleted)
6.5-11	(Deleted)
6.5-12	(Deleted)
6.5-13	(Deleted)
6.5-14	(Deleted)
6.5-15	(Deleted)
6.5-16	(Deleted)
6.5-17	(Deleted)
6.5-18	(Deleted)

6.5-19 (Deleted)

BFN-26

EMERGENCY CORE COOLING SYSTEMS

LIST OF ILLUSTRATIONS (Cont'd)

Figure	Title
6.5-20	(Deleted)
6.5-21	(Deleted)
6.5-22	(Deleted)
6.5-23	(Deleted)
6.5-24	(Deleted)
6.5-25	(Deleted)
6.5-26	(Deleted)
6.5-27	(Deleted)
6.5-28	(Deleted)
6.5-29	(Deleted)
6.5-30	(Deleted)
6.5-31	(Deleted)
6.5-32	(Deleted)
6.5-33	(Deleted)
6.5-34	(Deleted)
6.5-35	(Deleted)
6.5-36	(Deleted)
6.5-37	(Deleted)
6.5-38	(Deleted)
6.5-39	(Deleted)
6.5-40	(Deleted)
6.5-41	(Deleted)

BFN-26

EMERGENCY CORE COOLING SYSTEMS

LIST OF ILLUSTRATIONS (Cont'd)

Figure	Title
6.5-42	(Deleted)
6.5-43	(Deleted)
6.5-44	Containment Overpressure for NPSH for Core Spray and RHR Pumps (Units 2 and 3)