

## POWER CONVERSION SYSTEMS

## TABLE OF CONTENTS

11.0	POWER CONVERSION SYSTEMS.....	11.1-1	
11.1	Summary Description .....	11.1-1	
11.2	Turbine-Generator .....	11.2-1	
11.2.1	Power Generation Objective .....	11.2-1	
11.2.2	Power Generation Design Basis .....	11.2-1	
11.2.3	Description .....	11.2-2	
11.2.4	Tests and Inspections .....	11.2-3	
11.3	Main Condenser System .....	11.3-1	
11.3.1	Power Generation Objective .....	11.3-1	
11.3.2	Power Generation Design Basis .....	11.3-1	
11.3.3	System Description .....	11.3-1	
11.3.4	Inspection and Testing .....	11.3-2	
11.4	Main Condenser Gas Removal And Turbine Sealing Systems .....	11.4-1	
11.4.1	Power Generation Objective .....	11.4-1	
11.4.2	Power Generation Design Basis .....	11.4-1	
11.4.3	System Description .....	11.4-1	
11.4.4	Inspection and Testing .....	11.4-2	
11.5	Turbine Bypass System.....	11.5-1	
11.5.1	Power Generation Objective .....	11.5-1	
11.5.2	Power Generation Design Basis .....	11.5-1	
11.5.3	System Description .....	11.5-1	
11.5.4	Inspection and Testing .....	11.5-1	
11.6	Condenser Circulating Water System.....	11.6-1	
11.6.1	Power Generation Objective .....	11.6-1	
11.6.2	Power Generation Design Basis .....	11.6-1	
11.6.3	System Description .....	11.6-1	
11.6.4	Power Generation and Safety Evaluation .....	11.6-5	
11.6.5	Inspection and Testing .....	11.6-6	
11.6.6	Operational Requirements .....	11.6-6	
11.6.7	Radioactive Waste Discharge .....	11.6-7	
11.7	Condensate Filter-Demineralizer System .....	11.7-1	
11.7.1	Power Generation Objective .....	11.7-1	
11.7.2	Power Generation Design Basis .....	11.7-1	
11.7.3	System Description .....	11.7-1	
11.7.4	Power Generation Evaluation .....	11.7-3	
11.7.5	Inspection and Testing .....	11.7-3	

POWER CONVERSION SYSTEM

TABLE OF CONTENTS (Cont'd)

11.8	Condensate And Reactor Feedwater Systems.....	11.8-1	
11.8.1	Power Generation Objective .....	11.8-1	
11.8.2	Power Generation Design Basis .....	11.8-1	
11.8.3	System Description .....	11.8-1	
11.8.4	Inspection and Testing .....	11.8-4	
11.9	Condensate Storage And Transfer Systems .....	11.9-1	
11.9.1	Power Generation Objective .....	11.9-1	
11.9.2	Power Generation Design Basis .....	11.9-1	
11.9.3	System Description .....	11.9-1	
11.9.4	Power Generation Evaluation .....	11.9-4	
11.9.5	Inspection and Testing .....	11.9-5	

POWER CONVERSION SYSTEM

TABLE OF CONTENTS (Cont'd)

LIST OF TABLES

<u>Table</u>	<u>Title</u>
11.6-1	(Deleted)
11.9-1	Quality Requirements for Condensate in Storage

BFN-29

LIST OF ILLUSTRATIONS

<u>Figure</u>	<u>Title</u>
11.1-1a	Main Steam - Flow Diagram
11.1-1b	Main Steam - Flow Diagram
11.1-1c	Main Steam - Flow Diagram
11.1-1d	Main Steam - Flow Diagram
11.1-1e	Main Steam - Mechanical Flow Diagram
11.1-1f	Main Steam - Flow Diagram
11.6-1	Condenser Circulating Water - Flow Diagram
11.6-2	
11.6-3 sht 1	Condenser Circulating Water - Flow Diagram
11.6-3 sht 2	Condenser Circulating Water - Flow Diagram
11.6-3 sht 3	Condenser Circulating Water - Flow Diagram
11.6-3 sht 4	
11.6-3 sht 5	
11.6-4	Condenser Circulating Water - Flow Diagram
11.6-5	Condenser Circulating Water - Flow Diagram
11.6-6	Condenser Circulating Water - Flow Diagram
11.7.1	Condensate Demineralizers - Flow Diagram
11.7-2	Condensate Demineralizers - Flow Diagram
11.7-3	Condensate Demineralizers - Flow Diagram
11.8-1 sht 1	Reactor Feedwater - Flow Diagram
11.8-1 sht 2	Reactor Feedwater System - Flow Diagram
11.8-1 sht 3	Reactor Feedwater - Flow Diagram
11.8-1 sht 4	Mechanical RPV Level Sensing Lines Instruments and Controls
11.8-1 sht 5	Reactor Feedwater - Flow Diagram
11.8-1 sht 6	Reactor Pressure Vessel Level Sensing Lines Instruments and Controls
11.9-1a	Condensate - Flow Diagram
11.9-1b sht 1	Condensate Storage and Supply System - Flow Diagram
11.9-1b sht 2	Condensate Storage and Supply System - Flow Diagram
11.9-1b sht 3	Condensate Storage and Supply System - Flow Diagram
11.9-2	Condensate and Demineralized Water Storage Systems - Mechanical Control Diagram
11.9-3	(Deleted)
11.9-4	Condensate - Flow Diagram
11.9-5	Condensate - Mechanical Flow Diagram