

SECTION 12.0 - STRUCTURES AND SHIELDING

TABLE OF CONTENTS

<u>SECTION</u>	<u>TITLE</u>
12.1	<u>SUMMARY DESCRIPTION</u>
12.2	<u>DESIGN AND DESCRIPTION</u>
12.2.1	Reactor Buildings
12.2.2	Turbine Building
12.2.3	Main Control Room
12.2.4	Radwaste Building and Reactor Auxiliary Bay
12.2.5	Diesel Generator Building
12.2.6	Off-Gas Filter Station
12.2.7	Stack
12.2.8	Administration Building and Shop
12.2.9	Water Treatment Building
12.2.10	Circulating Water Pump Structure
12.2.11	Cooling Towers
12.2.12	Guardhouse
12.2.13	Boiler House
12.2.14	Intake Screen Structure, Cooling Tower Pump Structures, Discharge Control Structure, and Bridge Structure
12.2.15	Emergency Cooling Tower and Reservoir
12.2.16	Watertight Dikes
12.2.17	Office Building North of the Unit 3 Turbine Building
12.2.18	Site Management Building
12.2.19	Radwaste Onsite Storage Facility
12.2.20	Warehouse Complex
12.2.21	Secondary Alarm Station (S.A.S.) Building
12.2.22	Plant Entrance and Radiochemistry Laboratory
12.3	<u>RADIATION SHIELDING</u>
12.3.1	Shielding Objective
12.3.2	Shielding Design Basis
12.3.3	Design Considerations
12.3.3.1	Radiation Exposure of Personnel
12.3.3.2	Radiation Exposure of Materials and Components
12.3.3.3	Radiation Zoning and Access Control
12.3.3.4	Design Conditions
12.3.3.5	Specific Design Values
12.3.4	Shielding Design Descriptions
12.3.4.1	Main Control Room
12.3.4.2	Reactor Building
12.3.4.3	Turbine Building
12.3.4.4	Radwaste Building
12.3.4.5	Administration Building and Shop

PBAPS UFSAR

TABLE OF CONTENTS (cont'd)

<u>SECTION</u>	<u>TITLE</u>
12.3.4.6	Stack
12.3.4.7	General Plant Yard Area
12.3.4.8	Radwaste Onsite Storage Facility
12.3.4.9	Plant Entrance and Radiochemistry Laboratory
12.3.5	Plant Shielding for Post-Accident Access
12.4	<u>RADIOACTIVE MATERIALS SAFETY</u>
12.4.1	Material Safety Programs
12.4.2	Facilities and Equipment
12.4.3	Personnel and Procedures

PBAPS UFSAR

LIST OF FIGURES

<u>FIGURE</u>	<u>TITLE</u>
12.1.1	General Arrangement Plan <small>Security-Related Information Withheld under 10 CFR</small>
12.1.2	Deleted
12.1.3	Deleted
12.1.4	Deleted
12.1.5	Deleted
12.1.6	Deleted
12.1.7	Deleted
12.2.1	General Arrangement, Diesel-Generator Building
12.2.2	Deleted
12.3.1	Deleted
12.3.2	Radiation Zones - Units 2 and 3 <small>Security-Related Information Withheld under 10 CFR 2.3</small> (In Operation)
12.3.3	Radiation Zones - Units 2 and 3 <small>Security-Related Information Withheld under 10 CFR 2.3</small> (In Operation)
12.3.4	Radiation Zones - Units 2 and 3 <small>Security-Related Information Withheld under 10 CFR 2.3</small> (In Operation)
12.3.5	Radiation Zones - Units 2 and 3 <small>Security-Related Information Withheld under 10 CFR 2.3</small> (In Operation)
12.3.6	Radiation Zones - Units 2 and 3 <small>Security-Related Information Withheld under 10 CFR 2.3</small> (In Operation)
12.3.7	Radiation Zones - Units 2 and 3 <small>Security-Related Information Withheld under 10 CFR</small> (24 Hr After Shutdown of One Unit)
12.3.8	Radiation Zones - Units 2 and 3 <small>Security-Related Information Withheld under 10 CFR 2.3</small> (24 Hr After Shutdown of One Unit)
12.3.9	Radiation Zones - Units 2 and 3 <small>Security-Related Information Withheld under 10 CFR 2.3</small> (24 Hr After Shutdown of One Unit)

PBAPS UFSAR

LIST OF FIGURES (cont'd)

<u>FIGURE</u>	<u>TITLE</u>
12.3.10	Radiation Zones - Units 2 and 3 <small>Security-Related Information Withheld under 10 CFR 2.3</small> (24 Hr After Shutdown of One Unit)
12.3.11	Radiation Zones - Units 2 and 3 <small>Security-Related Information Withheld under 10 CFR 2.3</small> (24 Hr After Shutdown of One Unit)
12.3.12	Deleted