

CHAPTER II ITER PLANT DESIGN DESCRIPTION

TABLE OF CONTENTS

SEC	OIT	<u>v 1.0:</u>	
1.0	INT	RODUCTION	1.0-:
SEC	OIT	N 2.0:	
2.0	ITE	R PLANT CONTROL & OPERATION	2.0-1
		Plant control system	
		ITER plant operation	
	2.3	Plant operational sequence	2.0-4
SEC	MOIT	N 3.0:	
3.0	ITE	R PLANT LAYOUT AND BUILDINGS	3.0-2
	3.1	General features of radiologically controlled buildings	3.0-4
		Building configuration and equipment arrangement	
		Configuration of other buildings and structures	
	3.4	Assessment	3.0-20
SEC	MOIT	14.0 :	
4.0	SU	MMARY OF SYSTEM DESIGN	4-1-1
	4.1	Vacuum vessel and in-vessel components	
	4.2	Magnet system	
	4.3	Cryogenic system	
	4.4		
	4.5		4-5-1
	4.6	Water cooling system	4-6-1
	4.7	Plasma diagnostic system	4-7-1
	4.8	Heating and current drive (H&CD)	4-8-1
SEC	TION	15.0 <u>:</u>	
5.0	ITE	R PLANT SERVICES	5.0-1
	5.1	Steady state electrical power supply network	5.0-1
	5.2	Component cooling water system	5.0-5
	5.3	Chilled water system	
	5.4	Potable and fire water system	
	5.5	Sanitary and industrial sewage	5.0-10
	5.6	Steam, condensate and demineralized water	
	5.7	Compressed air systems	
	5.8	Breathing air systems	
	5.9	Nitrogen, helium and specialty gas systems	
		Site tunnel layout	
	5.11	Analytical laboratory	5 0-1

i

SECTION 6.0:

.6.0- .6.0- .6.0- .6.0-
. 6.0-2 . 6.0-2
. 6.0-2 . 6.0-3
.6.0-3
.6.0-4
. 6.0-
.6.0-
. 6.0-
.7.0-
. 7.0-
. 7.0-
7.0-17
7.0-2
7.0-29
7.0-3