

**V. C. Summer Nuclear Station, Units 2 and 3
COL Application
Part 2, FSAR**

CHAPTER 15
ACCIDENT ANALYSES

TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>
15.0	ACCIDENT ANALYSES	15.0-1
15.0.3.2	Initial Conditions	15.0-1
15.0.15	COMBINED LICENSE INFORMATION	15.0-1
15.1	INCREASE IN HEAT REMOVAL FROM THE PRIMARY SYSTEM.....	15.1-1
15.2	DECREASE IN HEAT REMOVAL BY THE SECONDARY SYSTEM.....	15.2-1
15.3	DECREASE IN REACTOR COOLANT SYSTEM FLOW RATE	15.3-1
15.4	REACTIVITY AND POWER DISTRIBUTION ANOMALIES	15.4-1
15.5	INCREASE IN REACTOR COOLANT INVENTORY	15.5-1
15.6	DECREASE IN REACTOR COOLANT INVENTORY	15.6-1
15.6.5.3.7.3	Atmospheric Dispersion Factors	15.6-1
15.7	RADIOACTIVE RELEASE FROM A SUBSYSTEM OR COMPONENT	15.7-1
15.7.6	COMBINED LICENSE INFORMATION	15.7-1
15.8	ANTICIPATED TRANSIENTS WITHOUT SCRAM	15.8-1
APP. 15A	EVALUATION MODELS AND PARAMETERS FOR ANALYSIS OF RADIOLOGICAL CONSEQUENCES OF ACCIDENTS	15A-1
15A.3.3	Atmospheric Dispersion Factors	15A-1
APP. 15B	REMOVAL OF AIRBORNE ACTIVITY FROM THE CONTAINMENT ATMOSPHERE FOLLOWING A LOCA	15B-1

V. C. Summer Nuclear Station, Units 2 and 3
COL Application
Part 2, FSAR

CHAPTER 15
ACCIDENT ANALYSES

15.0 ACCIDENT ANALYSES

This **section** of the referenced DCD is incorporated by reference with the following departures and/or supplements.

15.0.3.2 Initial Conditions

Add the following paragraph at the end of **DCD Subsection 15.0.3.2**.

STD COL 15.0-1 The actual selected plant operating instrumentation has documented instrumentation uncertainties to calculate a primary power calorimetric uncertainty that confirms the uncertainty assumed for the initial reactor power in the safety analysis bounds the calculated calorimetric values.

15.0.15 COMBINED LICENSE INFORMATION

Add the following text to the end of **DCD Subsection 15.0.15.1**.

STD COL 15.0-1 This COL item is addressed in FSAR **Subsection 15.0.3.2**.

V. C. Summer Nuclear Station, Units 2 and 3
COL Application
Part 2, FSAR

15.1 INCREASE IN HEAT REMOVAL FROM THE PRIMARY SYSTEM

This **section** of the referenced DCD is incorporated by reference with no departures or supplements.

V. C. Summer Nuclear Station, Units 2 and 3
COL Application
Part 2, FSAR

15.2 DECREASE IN HEAT REMOVAL BY THE SECONDARY SYSTEM

This **section** of the referenced DCD is incorporated by reference with no departures or supplements.

V. C. Summer Nuclear Station, Units 2 and 3
COL Application
Part 2, FSAR

15.3 DECREASE IN REACTOR COOLANT SYSTEM FLOW RATE

This **section** of the referenced DCD is incorporated by reference with no departures or supplements.

V. C. Summer Nuclear Station, Units 2 and 3
COL Application
Part 2, FSAR

15.4 REACTIVITY AND POWER DISTRIBUTION ANOMALIES

This **section** of the referenced DCD is incorporated by reference with no departures or supplements.

V. C. Summer Nuclear Station, Units 2 and 3
COL Application
Part 2, FSAR

15.5 INCREASE IN REACTOR COOLANT INVENTORY

This **section** of the referenced DCD is incorporated by reference with no departures or supplements.

V. C. Summer Nuclear Station, Units 2 and 3
COL Application
Part 2, FSAR

15.6 DECREASE IN REACTOR COOLANT INVENTORY

This **section** of the referenced DCD is incorporated by reference with the following departures and/or supplements.

15.6.5.3.7.3 Atmospheric Dispersion Factors

Add the following paragraph at the end of **DCD Subsection 15.6.5.3.7.3**.

VCS COL 2.3-4 Site-specific χ/Q values provided in **Subsection 2.3.4** are bounded by the values given in **DCD Tables 15A-5** and **15A-6**.

V. C. Summer Nuclear Station, Units 2 and 3
COL Application
Part 2, FSAR

15.7 RADIOACTIVE RELEASE FROM A SUBSYSTEM OR COMPONENT

This **section** of the referenced DCD is incorporated by reference with the following departures and/or supplements.

15.7.6 COMBINED LICENSE INFORMATION

VCS COL 15.7-1 This COL item is addressed in **Subsection 2.4.13**.

V. C. Summer Nuclear Station, Units 2 and 3
COL Application
Part 2, FSAR

15.8 ANTICIPATED TRANSIENTS WITHOUT SCRAM

This **section** of the referenced DCD is incorporated by reference with no departures or supplements.

V. C. Summer Nuclear Station, Units 2 and 3
COL Application
Part 2, FSAR

APPENDIX 15A
EVALUATION MODELS AND PARAMETERS FOR ANALYSIS OF
RADIOLOGICAL CONSEQUENCES OF ACCIDENTS

This **section** of the referenced DCD is incorporated by reference with the following departures and/or supplements.

15A.3.3 Atmospheric Dispersion Factors

Replace the third paragraph in **DCD Subsection 15A.3.3** with the following:

VCS COL 2.3-4 Site-specific χ/Q values provided in **Subsection 2.3.4** are bounded by the values given in **DCD Tables 15A-5** and **15A-6**.

V. C. Summer Nuclear Station, Units 2 and 3
COL Application
Part 2, FSAR

APPENDIX 15B
REMOVAL OF AIRBORNE ACTIVITY FROM THE CONTAINMENT
ATMOSPHERE FOLLOWING A LOCA

This **section** of the referenced DCD is incorporated by reference with no departures or supplements.