19.15 CHEMICAL AND VOLUME CONTROL SYSTEM

19.15.1 System Description

See subsection 9.3.6.2.

19.15.2 System Operation

See subsection 9.3.6.4.

19.15.3 Performance during Accident Conditions

See subsection 9.3.6.4.5.

19.15.4 Initiating Event Review

This section intentionally blank.

19.15.5 System Logic Models

19.15.5.1 Assumptions and Boundary Conditions

The following assumptions are used for the chemical and volume control system PRA model:

a. - i. Intentionally blank.

j. Either one of the two makeup pumps is sufficient to deliver borated water to the reactor coolant system. To simplify the PRA model, it is assumed that one makeup pump is always the operating pump and the other makeup pump is always the standby pump.

k. - q. Intentionally blank.

19.15.5.2 Fault Tree Models

This section intentionally blank.

19.15.5.3 Human Interactions

This section intentionally blank.

19.15.5.4 Common Cause Failures

This section intentionally blank.

19.15.6 References

19.15-1 Deleted.

TABLES 15-1 THROUGH 15-9 NOT INCLUDED IN THE DCD.
FIGURES 15-1 AND 15-2 NOT INCLUDED IN THE DCD.

19.16 Containment Hydrogen Control System

See subsection 6.2.4.

19.17 Normal Residual Heat Removal System

See subsection 5.4.7.

19.18 Component Cooling Water System

See subsection 9.2.2.

19.19 Service Water System

See subsection 9.2.1.

19.20 Central Chilled Water System

See subsection 9.2.7.

19.21 ac Power System

See subsection 8.3.1.

19.22 Class 1E dc & UPS System

See subsection 8.3.2.1.1.

19.23 Non-Class 1E dc & UPS System

See subsection 8.3.2.1.2.

19.24 Containment Isolation

See subsection 6.2.3.

19.25 Compressed and Instrument Air System

See subsecion 9.3.1.

19.26 Protection and Safety Monitoring System

See subsection 7.1.2.

19.27 Diverse Actuation System

See subsection 7.7.1.11.

19.28 Plant Control System

See subsection 7.1.3.

19.29 Common Cause Analysis

This section intentionally blank.

19.30 Human Reliability Analysis

This section intentionally blank.

19.31 Other Event Tree Node Probabilities

This section intentionally blank.

19.32 Data Analysis and Master Data Bank

This section intentionally blank.

19.33 Fault Tree and Core Damage Quantification

This section intentionally blank.