Chapter 4 Reactor

4.1 Summary Description

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

4.2 Fuel System Design

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

4.3 Nuclear Design

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

4.3.3.1 Nuclear Design Description

Replace the last paragraph with the following.

STD COL 4.3-1-A There are no changes to the fuel, control rod, or core design from that described in the referenced certified design.

4.3.5 COL Information

4.3-1-A Variances from Certified Design

STD COL 4.3-1-A This COL Item is addressed in Section 4.3.3.1.

4.4 Thermal and Hydraulic Design

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

4.5 Reactor Materials

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

4.6 Functional Design of Reactivity Control System

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

Appendix 4A Typical Control Rod Patterns and Associated Power Distribution for ESBWR

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

4A.1 Introduction

Replace the third paragraph with the following.

STD COL 4A-1-A There are no changes to the fuel, control rod, or core design from that described in the referenced certified design.

4A.3 COL Information

4A-1-A Variances from Certified Design

STD COL 4A-1-A This COL item is addressed in Appendix 4A.1.

Appendix 4B Fuel Licensing Acceptance Criteria

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

Appendix 4C Control Rod Licensing Acceptance Criteria

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

Appendix 4D Stability Evaluation

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