

Chapter 15 Safety Analyses

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

15.3 Analysis of Infrequent Events

15.3.10.5 Radiological Consequences

Add the following sentence at the end of this section.

STD SUP 15.3-1

In addition, procedures discuss the use of nuclear instrumentation to aid in detecting a possible mislocated fuel bundle after fueling operations.

15.4.1 Fuel Handling Accident

15.4.1.2.3 Identification of Operator Actions

Add the following paragraph at the end of this section

EF3 SUP 15.4-1

During movement of irradiated fuel, doors or personnel air locks on the east sides of the Reactor Building or Fuel Building could act as a point source that could result in control room $\%Q$ values that are higher than the ESBWR $\%Q$ values for a release in the Reactor Building or Fuel Building (See [Appendix 2A.2.5](#)). Therefore, the doors and personnel air locks on the east sides of the Reactor Building and Fuel Building are administratively controlled to remain closed during movement of irradiated fuel. Administrative control of these doors and air locks ensures that the control room habitability dose analysis for the fuel handling accident (FHA) incorporated by reference from ESBWR DCD Section 15.4.1 is bounding for Fermi Unit 3 and control room doses do not exceed the requirements of GDC 19 in the event of a FHA.