

2.0 LIMITING CONDITIONS FOR OPERATION

2.8 Refueling Operations (Continued)

- (6) Direct communication between personnel in the control room and at the refueling machine shall be available whenever changes in core geometry are taking place.
- (7) When irradiated fuel is being handled in the auxiliary building, the exhaust ventilation from the spent fuel pool area will be diverted through the charcoal filter.
- (8) Prior to initial core loading and prior to refueling operations, a complete check out, including a load test, shall be conducted on fuel handling cranes that will be required during the refueling operation to handle spent fuel assemblies.
- (9) A minimum of 23 feet of water above the top of the core shall be maintained whenever irradiated fuel is being handled.
- (10) Storage in Region 1 and Region 2 of the spent fuel racks shall be restricted to fuel assemblies having initial enrichment less or equal to 4.2 weight percent of U-235.
- (11) Storage in Region 2 of the spent fuel racks shall be restricted to those assemblies whose parameters fall within the "acceptable" area of Figure 2-10. Storage in the peripheral cells of Region 2 shall be restricted to those assemblies whose parameters fall within the noted area of Figure 2-10.
- (12) A minimum boron concentration of 100 ppm shall be maintained in the Spent Fuel Pool whenever storing unirradiated fuel in the Spent Fuel Pool.

If any of the above conditions are not met, all refueling operations shall cease immediately, work shall be initiated to satisfy the required conditions, and no operations that may change the reactivity of the core shall be made.

A spent fuel assembly may be transferred directly from the reactor core to the spent fuel pool Region 2 provided the independent verification of assembly burnups has been completed and the assembly burnup meets the acceptance criteria identified in Technical Specification Figure 2-10.

Movement of irradiated fuel from the reactor core shall not be initiated before the reactor core has been subcritical for a minimum of 72 hours if the reactor has been operated at power levels in excess of 2% rated power.

Bases

The equipment and general procedures to be utilized during refueling operations are discussed in the USAR. Detailed instructions, the above specifications, and the design of the fuel handling equipment incorporating built-in interlocks and safety features provide assurance that no incident could occur during the refueling operations that would