

As shown in Figure 3.8-3 the maximum density spent fuel storage racks consist of two regions: Region 1 (rows SS - ZZ, columns 35-64) and Region 2 (rows A - RR, columns 1-34). Fuel assemblies of initial enrichment of less than or equal to 4.5 w/o U-235 may be stored in Region 1 of the replacement maximum density spent fuel storage racks. Fuel assemblies to be stored in Region 2 of the replacement racks must have a minimum burnup exposure as a function of initial enrichment as specified in Figure 3.8-2. Administrative controls will provide verification that each fuel assembly to be placed in Region 2 of the replacement racks satisfies the burnup criterion.

Mechanical stops incorporated on the bridge rails of the fuel storage building crane make it impossible for the bridge of the crane to travel further north than a point directly over the spot in the spent fuel pit that is reserved for the spent fuel cask. Therefore, it will be impossible to carry any object over the spent fuel storage areas north of the spot in the pit that is reserved for the cask with either the 40 or 5-ton hook of the fuel storage building crane. It is possible to use the fuel storage building crane to carry objects over the spent fuel storage areas that are directly east of the spot in the pit that is reserved for the cask. However, the technical specifications and plant procedures prevent any object weighing more than 2,000 pounds from being moved over any region of the spent fuel pit. Therefore, the storage areas directly east of the spot in the pit that is reserved for the cask are protected from heavy load handling by administrative controls.

Dead load tests and visual inspection of the hoists and cranes before handling irradiated fuel provide assurance that the hoists or cranes are capable of proper operation.

References

- (1) FSAR - Section 9.5.2

3.8-7

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