

## 2.1 Functional And Operating Limits

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### 2.1.1 Fuel Stored At The ISFSI

The spent nuclear fuel to be stored in HSMs at the Rancho Seco ISFSI consists of the following:

- a. INTACT SPENT FUEL ASSEMBLIES as characterized in Table 2-1.
- b. DAMAGED SPENT FUEL ASSEMBLIES having 15 or less fuel pins per assembly with known cladding damage.
- c. Fuel assembly control components as described in Table 2-2.

With the exception of the six fuel assemblies identified in footnote 1 that are permitted to be stored in five identified FC-DSCs, only intact Rancho Seco spent fuel assemblies may be placed in an FO-DSC or FC-DSC.<sup>1</sup>

Rancho Seco control rod assemblies, burnable poison rod assemblies, axial power shaping rod assemblies (gray or black), neutron sources, retainer clips, and orifice rod assemblies may be placed only in an FC-DSC within an INTACT SPENT FUEL ASSEMBLY, with the exception of the six fuel assemblies identified in footnote 1.

DAMAGED SPENT FUEL ASSEMBLIES having 15, or less, fuel pins with known cladding damage may be placed in an FF-DSC. INTACT SPENT FUEL ASSEMBLIES may also be placed in the FF-DSC.

No control components or neutron sources may be placed in an FF-DSC.

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<sup>1</sup> Note: Six fuel assemblies with known or suspected cladding defects greater than hairline cracks or pinhole leaks were determined to be stored in five different FC-DSCs. Analysis has shown that storing these spent fuel assemblies, with cladding damage greater than a hairline crack or pinhole leak, at the Rancho Seco ISFSI will have no adverse affect on the continued safe storage of the spent fuel and the safe operation of the ISFSI.