

Attachment 6

Program Descriptions

5.1.2 CASK Loading, Unloading, and Preparation Program

A program shall be established to implement the SAR requirements for loading fuel and components into a CASK, unloading fuel and components from a CASK, and preparing a CASK for storage. The requirements of the program for loading and preparing a CASK shall be met prior to declaring a CASK in storage.

The program shall address the following requirements as a minimum:

- a. Dissolved boron concentration in the CASK cavity, if applicable, including requirements for independent measurements;
- b. Qualification of fuel assemblies for loading (e.g., cladding material/condition, burnup, cooling time) and verification of correct loading;
- c. Removable contamination acceptance criteria on components to be transferred to storage;
- d. Canister vacuum acceptance criteria and vacuum drying time limits;
- e. Helium backfill acceptance criteria;
- f. Leak rate testing acceptance criteria;
- g. Cask dose rate measurements and acceptance criteria;
- h. Cask unloading acceptance criteria;
- i. Time limit for transfer to a storage cask from a transfer cask, as applicable.

5.1.3 On-Site Transportation Program

A program shall be established to implement the SAR requirements for on-site transportation of the CASK. The requirements of the program shall be met prior to declaring a CASK in storage.

The program shall address the following requirements as a minimum:

- a. Time limit for transfer to a storage cask from a transfer cask, as applicable;
- b. Removable contamination acceptance criteria on components to be transferred to storage;
- c. Limitations on fuel supply for surrounding vehicles;
- d. Limitations on CASK temperatures;

- e. Limitations on transportation roadway drop-offs or maximum lifting heights;
- f. ISFSI pad requirements to interface with CASK design requirements;
- g. CASK spacing requirements for ISFSI pad storage;
- h. Radiation dose survey requirements.

5.1.4 CASK Storage Integrity Program

A program shall be established to implement the SAR requirements for periodic monitoring of CASK storage integrity.

The program shall address the following requirements as a minimum:

- a. Time limitations for vents blocked loss-of-cooling;
- b. Surveillance requirements for air inlet and outlet openings;
- c. Surveillance requirements for CASK temperature monitoring;
- d. [Surveillance requirements for CASK seal monitoring].