



Figure 2-5. Conventional Processing.

Table 2-4. Facilities needed for SNF technologies.

Technology	Receiving Basin for Offsite Fuel	L-Reactor Facility	F or H Canyon	Transfer and Storage Facility	Melt and Dilute Treatment Facility	Mechanical Dilution Treatment Facility	Vitrification Facility	Electrometallurgical Treatment Facility	Renovated Reactor Facility
1. Prepare for Direct Disposal/Direct Co-Disposal	✓	✓		✓					✓
2. Repackage and Prepare to Ship ^a	✓	✓ ^b		✓					✓
3. Melt and Dilute	✓	✓		✓	✓				✓
4. Mechanical Dilution	✓	✓		✓		✓			✓
5. Vitrification Technologies	✓	✓		✓			✓		✓
6. Electrometallurgical Treatment	✓	✓		✓				✓	✓
7. Conventional Processing	✓	✓	✓	✓	✓ ^c				
8. Continued Wet Storage	✓	✓							

a. To another DOE site.
b. Needed only if a Transfer, Storage, and Treatment Facility were implemented in a reactor facility.
c. Once conventional processing is terminated, the remaining SNF would require treatment using one of the new technologies. A Melt and Dilute Treatment Facility is included as part of Conventional Processing as a reference follow-on treatment