



Recommendation No. 13

November 28, 1995

High Level Waste Storage Building

The Savannah River Site Citizens Advisory Board understands that meeting the Federal Facility Agreement Part C commitment milestone to vitrify all high-level waste (HLW) by the year 2028 will require by 2005 a new glass waste storage building for vitrified HLW. This schedule will require the design of the new glass storage building to begin by the year 2000-2001. In the design of this new building, the CAB recommends that DOE-SR:

1. Optimize the design by taking advantage of the "lessons learned" from constructing the first building and from the experiences of other countries who are storing vitrified HLW.
2. Optimize the design and the operations for a maximum heat loading of 760 watts per filled steel bottle.
3. Optimize the design to maximize the natural heat removal method versus the forced heat removal method.
4. Optimize the design to minimize maintenance costs.
5. Optimize the design to minimize the effects of weather, water, and earthquake hazards on the operations of the facility.
6. Review the design and the changes in operations with independent scientific peer review.

Agency Responses

[Department of Energy-SR \(1-19-96\)](#)

[Department of Energy-SR \(4-16-96\)](#)

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