

Appendix D. Possible Schedule for Managing GTCC Waste

The following tight schedule lists possible activities that may be needed to manage GTCC waste. These activities are listed generally in the sequence in which they would occur. Even if the activities actually take longer than indicated here, the relationship among them should generally remain the same. If any activity requires additional time to complete, the remaining activities will have to be delayed the same amount of time.

	Minimum time in years				
	0	1	2	3	4
	:	:	:	:	:
Disposal					
DOE evaluates the technical, economic, and institutional advantages and disadvantages associated with:					
1) disposing of GTCC waste in the Yucca Mtn. repository, or					
2) developing a separate intermediate-depth facility.	:	—	—	—	:
DOE decides either to use the Yucca Mtn. repository, or to further evaluate intermediate-depth disposal options.	:	:	—	:	:
DOE estimates disposal fee.	:	:	—	:	:
DOE finalizes disposal fee.	year	7			

Storage continued on the following pages.

Minimum time in years

	0	1	2	3	4
Extended-storage regulatory guidance: (regardless of disposal option chosen)					
NRC reviews storage technologies and analyzes its storage guidance.	_____				
DOE develops estimates of storage time until disposal.		—			
NRC drafts preliminary revisions of added guidance for GTCC waste packaging and storage.			—		
NRC finalizes guidance.				year 3	
DOE extended-storage facility: (assuming NRC licensing)					
Congress mandates development of NRC-licensed facility.		—			
DOE/NRC determine general technical criteria for accepting GTCC waste.		—	—		
DOE estimates storage fee and facility capacity.		—	—	—	
DOE, NRC, and possibly Congress de- termine non-technical specifications for facility use (e.g., waste volume limits, generator eligibility, and a decision on fee subsidization).			—		
DOE designs facility.			—	—	
DOE sites facility.			—	—	—
DOE constructs facility.					years 4 and 5
NRC grants operating license.					year 6
DOE finalizes storage/repackaging/ disposal fee.					year 7
DOE begins accepting waste and extended storage/disposal fee.					year 7 to year 20

Minimum time in years

0	1	2	3	4
:	:	:	:	:

Limited-access storage at existing DOE facility:

Congress mandates DOE to provide limited-access storage, and expresses intention to transfer waste in limited-access storage to an extended-storage facility.

: — : : : :

DOE/NRC determine technical criteria for accepting GTCC waste.

: — : : : :

DOE estimates required storage capacity.

: — — : : : :

DOE estimates fee for limited-access storage.

: — : : : :

DOE, NRC and possibly Congress determine non-technical specifications for facility use (e.g., waste volume limits, generator eligibility, and a decision on fee subsidization).

: : — : : : :

DOE adapts existing facility.

: : — : : : :

DOE finalizes limited-access storage fee.

: : — : : : :

DOE accepts waste and collects fee for limited-access storage

year 2 to year 7

Waste is transferred to extended-storage facility and an additional fee is collected for extended storage/repackaging/d isposal.

year 7

Other:

Congress considers additional controls on the distribution and/or use of sealed sources

: — :