

Summary of proposal for liner options at construction and demolition debris facilities:

The conditions of this recommendation are as follows:

- S Isolation distance is in addition to the liner thickness.
- S Geologic materials forming isolation distance are determined in accordance with rule to not be part of uppermost aquifer system (UAS) and in accordance with statute will have a hydraulic conductivity of no greater than 1×10^{-6} cm/sec for at least five continuous feet, with no single sample having a hydraulic conductivity exceeding 1×10^{-5} cm/sec.
- S Recompacted soil liners are constructed with a minimum of six lifts of recompact soil using typical methods currently contained in the landfill regulations.
- S GW monitoring to detect impact, assess, and correct releases will be implemented.
- S Leachate is being regularly sampled and analyzed in a manner that is representative.
- S All recompact soil liner has a hydraulic conductivity of not more than 1×10^{-7} cm/sec.
- S Leachate Collection Systems (LCS) are required for all C&DD facilities.
- S All other siting criteria are met.
- S For chemical compatibility testing is occurring to ensure that the leachate is compatible with the liner.

If the Separation Distance from Uppermost Aquifer System (UAS) is:	Then For landfills: Liner Type and Thickness (in addition to isolation distance) is: (feet)
5 to 15 feet	5 feet of recompact soil liner plus 60 mil HDPE liner
15 to 25 feet	5 feet of recompact soil liner; <u>or</u> 3 feet of recompact soil liner plus a 60 mil HDPE liner
Greater than 25 feet	4 feet of recompact soil liner; <u>or</u> 2 feet of recompact soil liner built in 6 lifts plus a 60 mil HDPE liner
Greater than 150 feet	Minimum of 6 lifts of recompact soil liner with each loose lift being at least 4 inches thick to maintain leachate control and prevent lateral migration of leachate to surface water; <u>or</u> a 60 mill HDPE liner on a smooth and stable subgrade.