

Table A-1.C. Technical implementation considerations for excavation

Data requirements	Site-specific data for technology evaluation	Site access and subsurface utility and infrastructure locations	
	Bench-scale testing	N/A	
	Pilot-scale testing	N/A	
	Full-scale design	Soil type	
		Depth to LNAPL zone	
		Depth to water, option to dewater in tight soils	
	Performance metrics	LNAPL thickness	Reduced LNAPL transmissivity.
Soil concentration		Maximum soil concentration reduced to cleanup criteria.	
LNAPL saturation		Direct analysis of soil to measure changes in LNAPL saturation profile.	
Modeling tools/applicable models	N/A		
Further information	USACE. 2003. Engineering and Design: Safety and Health Aspects of HTRW Remediation Technologies, Chap. 3, "Excavations." EM 1110-1-4007. http://www.publications.usace.army.mil/Portals/76/Publications/EngineerManual		