

SOIL TECHNOLOGY: Composting				
RACER PARAMETERS	Scenario A	Scenario B	Scenario C	Scenario D
	Small Site		Large Site	
	Easy	Difficult	Easy	Difficult
Media/Waste Type	Soil	Soil	Soil	Soil
Contaminant	Petroleum (5% TOC)	Explosives (TNT, RDX)	Petroleum (5% TOC)	Explosives (TNT, RDX)
Approach	Ex situ	Ex situ	Ex situ	Ex situ
Soil Type	Silt/Silty Clay Mixture	Silt/Silty Clay Mixture	Silt/Silty Clay Mixture	Silt/Silty Clay Mixture
Volume of Soil Treated (cy)	13,000	13,000	24,000	24,000
Safety Level	D	D	D	D
Excavation Cost	\$210,767	\$210,767	\$430,175	\$430,175
Composting Cost	\$3,363,940	\$4,487,608	\$5,974,810	\$7,714,511
Off-Site Transportation & Disposal Cost (30 miles to LF)	\$2,627,087	\$2,627,087	\$4,850,008	\$4,850,008
Subtotal Cost	\$6,201,794	\$7,325,462	\$11,254,993	\$12,994,694
Remedial Design:				
Design Percentage	2.5%	2.5%	2.5%	2.5%
Design Cost	\$155,045	\$183,187	\$281,375	\$324,867
TOTAL MARKED-UP COSTS	\$6,356,839	\$7,508,649	\$11,536,368	\$13,319,561
CUBIC YARDS PROCESSED	13,000	13,000	24,000	24,000
COMPOSTING COST PER CUBIC YARD	\$259	\$345	\$249	\$321
TOTAL COST PER CUBIC YARD	\$489	\$578	\$481	\$555
COST PER 1000 CUBIC YARDS	\$488,988	\$577,588	\$480,682	\$554,982