

SOIL TECHNOLOGY:

Thermal Treatment

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	SVOCs/VOCs	SVOCs/VOCs	SVOCs/VOCs	SVOCs/VOCs
Approach	In situ	In situ	In situ	In situ
Soil Type	Silt/Silty Clay Mixture	Sand/Gravelly Sand Mixture	Silt/Silty Clay Mixture	Sand/Gravelly Sand Mixture
Permeability (Darcies)	0.1	5.0	0.1	5.0
Contaminated Area (SF)	5,000	5,000	15,000	15,000
Depth to Contaminated Area (ft)	15	15	15	15
Thickness of Contaminated Area (ft)	30	30	30	30
Safety Level	D	D	D	D
Subtotal Cost	\$257,050	\$310,305	\$441,586	\$574,864
Remedial Design:				
Design Percentage	10%	10%	10%	11%
Design Cost	\$25,705	\$31,031	\$44,159	\$51,738
TOTAL MARKED-UP COSTS	\$282,755	\$341,336	\$485,745	\$626,602
CUBIC YARDS PROCESSED	5,550	5,550	16,650	16,650
COST PER CUBIC YARD	\$51	\$62	\$29	\$38
COST PER 1000 CUBIC YARDS	\$50,947	\$61,502	\$29,174	\$37,634