

GW TECHNOLOGY:**Phytoremediation**

RACER PARAMETERS	Scenario A	Scenario B	Scenario C	Scenario D
	Small Site		Large Site	
	Easy	Difficult	Easy	Difficult
Contaminated Media	Groundwater	Groundwater	Groundwater	Groundwater
Fencing	None	None	None	None
Site Distance	250	250	250	250
Safety Level	D	D	D	D
Approach	In-situ	In-situ	In-situ	In-situ
Area of Remediation	Full Coverage	Full Coverage	Full Coverage	Full Coverage
Area of Remediation (SF)	135,000	135,000	2,700,000	2,700,000
Tree size	3' Whip	15' Tree	3' Whip	15' Tree
Depth of Groundwater (ft)	3	3	3	3
Depth to Contamination (ft)	10	10	10	10
Type of Contaminant	Metals	Metals	Metals	Metals
Natural Attenuation (Sampling)				
Crew Size	2 field technicians	2 field technicians	2 field technicians	2 field technicians
Site Distance (miles)	250	250	250	250
Analytical Water	Groundwater	Groundwater	Groundwater	Groundwater
Analytical Soil	None	None	None	None
Analytical Template	MNA-Metals	MNA-Metals	MNA-Metals	MNA-Metals
Include QA/QC Samples	Yes	Yes	Yes	Yes
Include Data Analysis/Reporting	Yes	Yes	Yes	Yes
Groundwater Monitoring- Avg. Depth (ft)	5	5	5	5
Groundwater Monitoring- # of events	1	1	1	1
Groundwater Monitoring- # of samples	2	2	31	31
Groundwater Monitoring- # of years	5	5	5	5
Phytoremediation Marked-up Costs	\$43,148	\$67,480	\$556,722	\$1,037,020
Natural Attenuation (Sampling) Costs	\$151,541	\$149,886	\$594,330	\$594,330
Additional Costs:				
O&M	\$0	\$0	\$0	\$0
Remedial Design	\$10,000	\$11,095	\$59,020	\$90,886
TOTAL MARKED-UP COSTS	\$204,689	\$228,461	\$1,210,072	\$1,722,236
COST PER SQUARE FOOT	\$1.52	\$1.69	\$0.45	\$0.64