

GW TECHNOLOGY:		Ex Situ Air Stripping--Packed Tower			
RACER PARAMETERS		Scenario A	Scenario B	Scenario C	Scenario D
		Small Site		Large Site	
Remedial Action:		Easy	Difficult	Easy	Difficult
Media/Waste Type		Groundwater	Groundwater	Groundwater	Groundwater
Contaminant		VOCs	VOCs	VOCs	VOCs
Approach		Ex Situ	Ex Situ	Ex Situ	Ex Situ
System Definition:					
Type of Air Stripper		Packed Tower	Packed Tower	Packed Tower	Packed Tower
Influent Flow Rate (GPM)		50	50	500	500
Volatility of Contaminants		High	Low	High	Low
Removal Percentage		98%	98%	98%	98%
Safety Level		D	D	D	D
Configuration (Packed Tower):					
Number of Towers in Series		1	2	1	2
Packed Tower Diameter (ft)		2	2	6	6
Packed Tower Height (ft)		25	20	25	20
Low Profile Stripper Number of Trays		0	0	0	0
Number of Strippers		1	1	1	1
Configuration (Low profile tray stack):					
Packed Tower Diameter (ft)		N/A	N/A	N/A	N/A
Packed Tower Height (ft)		N/A	N/A	N/A	N/A
Low Profile Stripper Number of Trays		N/A	N/A	N/A	N/A
Number of Strippers		N/A	N/A	N/A	N/A
O&M:					
Assign Startup Costs		Exclude from estimate	Exclude from estimate	Exclude from estimate	Exclude from estimate
Duration (YR)		2	2	5	5
Treatment Train Systems Maintenance Level		Moderate	Moderate	Moderate	Moderate
Sampling Frequency		Monthly	Monthly	Monthly	Monthly
Ex Situ Air Stripping Marked-up Costs		\$56,304	\$105,433	\$124,371	\$301,156
Additional Costs:					
O&M		\$60,346	\$60,346	\$388,942	\$388,942
Remedial Design (10% or 10K)		\$6,756	\$11,598	\$13,681	\$30,116
TOTAL MARKED-UP COSTS		\$123,406	\$177,377	\$526,994	\$720,214
GALLONS TREATED		52,560,000	52,560,000	1,314,000,000	1,314,000,000
COST PER GALLON		\$0.0023	\$0.0034	\$0.0004	\$0.0005
COST PER 10,000 GALLONS		\$23	\$34	\$4	\$5