

GW TECHNOLOGY:		Ex Situ Air Stripping--Low Profile Tray Stack			
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		Low Profile Tray Stack	Low Profile Tray Stack	Low Profile Tray Stack	Low Profile Tray Stack
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):					
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
Configuration (Low profile tray stack):					
Packed Tower Diameter (ft)		0	0	0	0
Packed Tower Height (ft)		0	0	0	0
Low Profile Stripper Number of Trays		3	5	3	5
Number of Strippers		1	1	1	1
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		\$42,109	\$49,610	\$165,160	\$209,031
Additional Costs:					
O&M		\$52,966	\$52,966	\$341,127	\$341,127
Remedial Design (10% or 10K)		\$10,000	\$10,000	\$16,516	\$20,903
TOTAL MARKED-UP COSTS		\$105,075	\$112,576	\$522,803	\$571,061
GALLONS TREATED		52,560,000	52,560,000	1,314,000,000	1,314,000,000
COST PER GALLON		\$0.0020	\$0.0021	\$0.0004	\$0.0004
COST PER 10,000 GALLONS		\$20	\$21	\$4	\$4