

<b>SOIL TECHNOLOGY:</b>		<b>Solidification/Stabilization</b>			
<b>RACER PARAMETERS</b>		<b>Scenario A</b>	<b>Scenario B</b>	<b>Scenario C</b>	<b>Scenario D</b>
		<b>Small Site</b>		<b>Large Site</b>	
<b>Remedial Action:</b>		<b>Easy</b>	<b>Difficult</b>	<b>Easy</b>	<b>Difficult</b>
<b>Media/Waste Type</b>		Solid	Sludge	Solid	Sludge
<b>Contaminant</b>		Metals	Metals & SVOCs	Metals	Metals & SVOCs
<b>Approach</b>		Ex Situ	Ex Situ	Ex Situ	Ex Situ
<b>System Definition:</b>					
<b>Type of Waste</b>		Solid	Sludge	Solid	Sludge
<b>Density of Waste (pcf)</b>		100	80	100	80
<b>Quantity of Waste (CY)</b>		1,000	1,000	50,000	50,000
<b>Process System (CY)</b>		2	2	10	10
<b>Safety Level</b>		D	D	D	D
<b>Additives:</b>					
<b>Initial Moisture Content (%)</b>		15	60	15	60
<b>Minutes Per Batch (MIN)</b>		20	20	20	20
<b>Waste Disposal Volume (CY)</b>		1,270	1,337	63,487	66,855
<b>Chemical Additive Ratios:</b>					
<b>Cement : Waste</b>		0.15 : 1	0.40 : 1	0.15 : 1	0.40 : 1
<b>Water : Cement</b>		0.40 : 1	N/A	0.40 : 1	N/A
<b>Proprietary Chemicals : Waste</b>		0.01 : 1	0.01 : 1	0.01 : 1	0.01 : 1
<b>Fly Ash : Waste</b>		0.00 : 1	0.00 : 1	0.00 : 1	0.00 : 1
<b>Cement Kiln Dust : Waste</b>		0.00 : 1	0.00 : 1	0.00 : 1	0.00 : 1
<b>Hydrate Lime : Waste</b>		0.00 : 1	0.00 : 1	0.00 : 1	0.00 : 1
<b>Bitumen : Waste</b>		0.00 : 1	0.00 : 1	0.00 : 1	0.00 : 1
<b>Activated Carbon : Waste</b>		0.00 : 1	0.00 : 1	0.00 : 1	0.00 : 1
<b>Solidification/Stabilization Marked-Up Costs</b>		\$149,546	\$171,663	\$4,280,064	\$6,555,059
<b>Additional Costs:</b>					
<b>Remedial Design - Detailed On-Site</b>		\$16,450	\$18,883	\$342,405	\$458,854
<b>TOTAL MARKED-UP COSTS</b>		\$165,996	\$190,546	\$4,622,469	\$7,013,913
<b>COST PER CUBIC FOOT</b>		<b>\$6</b>	<b>\$7</b>	<b>\$4</b>	<b>\$5</b>
<b>COST PER CUBIC METER</b>		<b>\$216</b>	<b>\$248</b>	<b>\$124</b>	<b>\$190</b>
<b>COST PER CUBIC YARD</b>		<b>\$165</b>	<b>\$189</b>	<b>\$94</b>	<b>\$144</b>