

CL-OUT Bioremediation Representative Projects

FACILITY	STATUS	MEDIA	PRE-TREATMENT CONCENTRATIONS	POST-TREATMENT CONCENTRATIONS	COST	TIMEFRAME
Printing Company Cincinnati, Ohio	Post-closure Monitoring	Groundwater	PCE 1200 TCE 560 cis 1,2-DCE 1900 Vinyl Chloride 610	PCE 5 TCE 8 cis 1,2-DCE 97 Vinyl Chloride 33	\$27,000	2 Years
Prepress Engraving Dayton, Kentucky	Active	Soil and Groundwater	PCE 6000 TCE 11 cis 1,2-DCE 45 Vinyl Chloride BDL 1,1,1-TCA 230	PCE 560 TCE 74 cis 1,2-DCE 2700 Vinyl Chloride BDL 1,1,1-TCA 180	\$30,000	10 Months
Printing Company Johnson City, Tennessee	Active	Groundwater	PCE 6200 TCE 1800 cis 1,2-DCE 2000 Vinyl Chloride 24	PCE BDL TCE 53 cis 1,2-DCE 946 Vinyl Chloride 78	\$17,000	12 Months
Dry Cleaners Cincinnati, Ohio	Post-closure Monitoring	Groundwater	PCE 9,900 TCE 740 cis 1,2-DCE 1200 Vinyl Chloride 36	PCE 650 TCE 400 cis 1,2-DCE 370 Vinyl Chloride BDL	< \$15,000	3 Months
Chemical Manufacturer Toronto, Ontario	Active	Groundwater	Chloromethane 150 cis 1,2-DCE 160 PCE 470 TCE 73 Vinyl Chloride 40	Chloromethane 2.1 cis 1,2-DCE 15 PCE 35 TCE BDL Vinyl Chloride 6.1	< \$25,000	1 Month
Chemical Manufacturer Cincinnati, Ohio	Active	Soil and Groundwater	PCE 190 TCE 260 1,1,1 TCA 1300 cis 1,2-DCE 5900 1,1 DCA 380 1,1 DCE 75 Vinyl Chloride 340	BDL BDL 1,1,1 TCA 920 cis 1,2-DCE 3400 1,1 DCA 300 1,1 DCE 38 Vinyl Chloride 180	< \$10,000	1 Month
Dry Cleaners Newport, Kentucky	Closed	Groundwater	PCE 11,000 TCE BDL cis 1,2-DCE BDL Vinyl Chloride BDL	PCE BDL TCE BDL cis 1,2-DCE 41 Vinyl Chloride BDL	< \$20,000	24 Months
Engraving Company Cincinnati, Ohio	Closed	Groundwater	cis 1,2-DCE 193 Vinyl Chloride 293	cis 1,2-DCE BDL Vinyl Chloride BDL	< \$20,000	1 Month
Dry Cleaners Boston, Massachusetts	Active	Groundwater	PCE 33,000 TCE 2,900 cis 1,2-DCE 2,100 Vinyl Chloride BDL	PCE 520 TCE 64 cis 1,2-DCE 71 Vinyl Chloride BDL	< \$15,000	6 Months
Dry Cleaning Site Sammamish, Washington	Post-closure Monitoring	Groundwater	PCE 7,800	PCE 5	< \$20,000	3 Months

All analytical results shown in ppb (ug/l)