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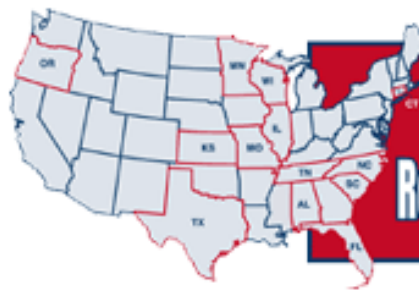
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State Coalition for
Remediation of Drycleaners

Site Profiles - View

Admin

General Information

Site Name and Location: Parisian Cleaners
Orlando, Florida, United States

Description: Active drycleaning facility since 1954. Commercial property. Used petroleum-operated drycleaning machine. Historical activity that resulted in contamination. No information regarding historic waste generation, management practices, or haulers before 1994.

Contaminants:

Contaminants:	Contaminant	Conc in GW	Conc. in Soil
Contaminants present and the highest amount detected in both soil and groundwater (please avoid giving ranges).	1,2,4-trimethylbenzene	365 µg/L	410 µg/kg
	1,3,5-trimethylbenzene	120 µg/L	
	naphthalene		570 µg/kg
	Tetrachloroethene (PCE)	320 µg/L	130 µg/kg
	Trichloroethene (TCE)	4.4 µg/L	
	xylenes		188 µg/kg

Other Contaminants Present: The concentrations shown for groundwater contaminants represent direct push data.

Indicates what other contaminants were found on-site

Deepest Significant Groundwater Contamination: 5.2 PCE @ 68 ft

Plume Size: <0.3 acre

Site Hydrology:

Depth to Groundwater: 12.5 ft bgs

Lithology and Subsurface Geology:	Tan to white, very fine-grained sands to 34 ft; Inter-bedded layers of gray to dark gray silts and clays, 34-62 ft.
Conductivity:	
Gradient:	.003ft/ft to .004 ft/ft

Media:

Media:	Groundwater Soil
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Remediation Scenario:

Cleanup Goals:	PCE--GW = 3 µg/L; Soil = .03 mg/kg(leachability); TCE--GW = 3 µg/L; Soil = .03 mg/kg(leachability); Napthalene--GW = 20 µg/L; Soil = 1.7mg/kg (leachability); 1,2,4 TMB--GW = 10 µg/L; Soil = .3mg/kg (leachability); 1,3,5 TMB--GW = 10 µg/L; Soil = .3mg/kg (leachability)
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Technologies:

Technologies Used:	In Situ: Soil Vapor Extraction
Other technologies used:	
Why the technology was selected:	Significant PCE soil contamination amendable to SVE technology.
Date implemented:	Start-up began-July 9, 2002 Construction began in February 2002
Final remediation design:	Two vertical SVE wells. One was placed inside building; the other well placed next to building.

Results and Next Steps:

Results to date:	No Futher Action (NFA) for both soils and groundwater. Site Rehabilitation Completion Order(SRCO)issued on 4/27/04.
Next Steps:	

Costs:

Cost for Assessment:	\$92,120.30
Cost to Design and Implement:	\$72,458
Cost for Operation and Maintenance:	\$29,264 = O&M \$8,689 = Monitoring
Total Costs for Cleanup:	\$202,531

Lessons Learned:

Lessons Learned:	1. Good soil sampling under the building providing good design of SVE system.
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Contacts:

Principal Point of Contact:	Judie A. Kean, Project Manager Florida Department of Environmental Protection 850-245-8973 judie.kean@dep.state.fl.us
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Site Specific References:

Site Specific References:	
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Images:

Images of Site:	
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<http://www.drycleancoalition.org/profiles/display.cfm?id=102>

Profile last updated on Apr 28, 2004