

Experience Performing Bench-, Pilot- AND Full-Scale Testing				
Site/Location	Pilot-Scale	Bench-Scale	Full-Scale	Description of Study
Cyprus Amax, Carteret, NJ		•		Effect of pH adjustment with caustic soda on soluble zinc concentrations.
General Signal Corporation Upstate, NY		•		Treatability study of industrial landfill leachate to remove metals (Ba, Fe, Pb, Mn, Ni and Zn). Metal hydroxide precipitation with polymer addition was shown to be effective in meeting treatment objectives.
Cyprus Amax, Carteret, NJ	•			Feasibility of remediation of chlorobenzene contaminated soil and groundwater using dual soil vapor extraction and groundwater treatment.
Cyprus Amax, Carteret, NJ		•		Effect of ferric chloride and sodium sulfide on the removal of metals (As, Cd, Cu, Pb, Ni, Se and Zn) from groundwater.
Cyprus Amax, Carteret, NJ		•		Feasibility of selenium separation by soil-washing and in-situ chemical precipitation of selenium in groundwater.
Circuitron Site, East Farmingdale, NY		•		Evaluated metals removal by pH adjustment, coagulation/precipitation and polymer addition and VOC removal by air sparging and carbon adsorption in groundwater.
Vineland Chemical Site, Vineland, NJ	•			Groundwater and contaminated sediment pore water treatment to remove arsenic and TCE. Groudwater studies included oxidation, precipitation, co-precipitation, ion exchange and carbon adsorption.
Metaltec/Aerosystems Site Franklin, NJ	•			Groundwater treatment system for Al, Fe, Mn and Zn. Coagulation, gravity settling and multimedia filtration were demonstrated to meet objectives.
Rocky Hill Mun. Wellfield, Montgomery Township, NJ	•			Treatability studies of a municipal water supply contaminated with metals and VOC's. Air strippers were used to evaluate VOC removal and jar tests were used to develop metals removal processes.
Reich Farms Site Toms River, NJ	•	•		Air stripping removal of VOCs, metal precipitation of iron and mini-column carbon adsorption of VOC's and other organics.
Contaminated Sediment in Scuffletown Creek, VA		•		Evaluated remediation technologies (landfarming, solid phase composting, slurry phase biological and soil washing) to remove PAHs.
Mobile Treatment System, Utility/Transformer Vaults, and Distribution Manholes		•		Study determined that gravity separation followed by multiple stage filtration significantly reduced oil, metals and PCBs. GAC filtration also substantially reduced residual organics.
Kin-Buc Landfill, Edison NJ		•		Metals precipitation (discharge permit metals only), air stripping of VOCs and carbon adsorption of VOC's and residual organics.
Boro Recycling, Maspeth, NY	•	•		Evaluation of ground glass as filter media to remove pollutants and consumable liquid impurities.
Treatability Study at a MGP Site, Toms River, NJ	•	•		Treatability studies to evaluate air stripping, carbon adsorption, dissolved air floatation and fluidized bed biological treatment of VOCs AND PAHs in groundwater
Treatability Study at a MGP Site, Paterson, NJ	•	•		Treatability studies to evaluate air stripping, carbon adsorption, dissolved air floatation and fluidized bed biological treatment of VOCs and PAHs in soil and groundwater.
Confidential Chemical Manufacturing Client South Plainfield, NJ		•		Evaluation oxidation, precipitation and gravity settling to remove metals, VOC's and organochlorine pesticides. Demonstrated that treatment objectives could be met with these treatment processes.