

1.34 WASTE CONTAINMENT AND REMEDIATION TECHNOLOGY IDEAS FOR DESIGN PROJECTS

Capture-zone and treatment system design at factory contaminated by organic solvents
Strategic analysis of options for property owner accused of on-site contamination
Analysis of aquifer test data
Ground-water slug test analysis
Analysis of site data for low-hydraulic-conductivity site
Ground-water contaminant transport predictions
Vapor extraction system design for a gas-station site
Design of in-situ biodegradation of chlorinated VOCs in shallow ground water
Design of in-situ aquifer remediation by ORC design
Design of aquifer trench test using ground-water model
Site historical research
Design of conventional landfill cap
Design of evapotranspiration landfill cap
Quantitative analysis of poplar tree phytoextraction system
Cost analysis for in situ solidification/stabilization
Design of LNAPL removal system
Prediction of multi-component fuel spill plume
Development of site investigation plan for VOC contamination site
Design of permeable reactive barrier for chlorinated solvent site
Design of permeable reactive barrier for hexavalent chromium site
Modeling of contaminated soil as source of ground-water contamination
Risk assessment for soil contamination in brownfield redevelopment
Design of ground-water monitoring system for hazardous waste disposal facility
Design or analysis project of your own choosing