



## Bulletin Volume 245-260

By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 40 pages. Original publisher: Washington, D. C. : U. S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Technology Innovation Office, 1998. OCLC Number: (OCoLC)41656371 Subject: Chlorohydrocarbons. Excerpt: . . . The two main types of gates are fully penetrating gate and hanging gate systems. Fully penetrating gates are installed down to the impermeable aquitard or bedrock layer of the aquifer. A fully penetrating gate system rather than hanging gate system would be used for bioremediation of DNAPLs. The hanging gate system does not reach the bedrock of the aquifer, so DNAPL contaminated water could flow under the system. The gate determines the treatment mechanism to be used. Potentially applicable types of treatment include: volatilization ( air stripping ), microbial degradation, adsorption ( carbon or ion exchange ), chemical oxidation, metal-enhanced dechlorination, and metal precipitation. If more than one type of contaminant is to be treated, multiple gates are needed. A specific gate for each contaminant is placed in a series ( one gate in front of the next ) to remediate the plume. There is an advantage of the funnel-and-gate system over the permeable reactive...



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