



## D&B ENGINEERS AND ARCHITECTS, P.C.

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## Remedial Design Services

### SERVICES INCLUDE:

*Pre-Design Investigations*

*Feasibility Studies*

*Treatability Studies*

*Cost Estimating*

*Pilot Tests*

*Engineering Design Reports*

*Conceptual Design*

*Plans and Specifications*

*Contract Documents*

*Pre-Award Services*

*Bid Review*



D&B Engineers and Architects, P.C. (D&B) provides the complete spectrum of remedial design services to industry and government. Our firm's experience providing design services for the remediation of hazardous waste sites includes a broad range of site conditions and technologies and offers clients rapid and cost-effective site remediation.

The firm performs pre-design investigations, treatability studies and pilot tests; prepares feasibility studies, engineering design reports, remedial design contract documents and engineering cost estimates; and provides pre-award services to clients for state and federal Superfund sites, Resource Conservation and Recovery Act (RCRA) corrective action sites and Brownfield sites.

Pre-design investigation services include: characterization of site geology and hydrogeology for remedial design; delineation of soil and groundwater contamination for treatment or removal; waste characterization sampling of contaminated media for disposal; aquifer pump tests; and floating product recovery tests.

D&B has supervised treatability and pilot studies in connection with evaluating and establishing design parameters for: soil washing; solidification/stabilization; solvent extraction; zero-valent iron injection; phytoremediation; chemical oxidation; air sparging; soil vapor extraction; dual phase extraction; and metals removal from groundwater.

Comprehensive engineering reports, plans and specifications have been prepared for:

- Soil, geosynthetic and composite liners
- Phytoremediation and evapotranspiration covers
- Air sparging, soil vapor extraction and in-situ air stripping
- Groundwater extraction and treatment
- Permeable reactive barrier walls
- Zero-valent iron injection
- Free-phase product removal
- Deep excavations with sheeting

D&B has completed many remedial designs for Superfund sites that were publicly bid projects. As a result, our responsibility frequently includes pre-award services, such as coordinating pre-bid meetings, technical evaluation of bids, preparing recommendations for award, and reviewing contractor submittals. D&B is also well qualified and possesses extensive experience providing remedial construction inspection services.