

Projects

Delaware Sand & Gravel Superfund Site

City of New Castle, New Castle County, DE



This 27-acre site was formerly a sand and gravel quarry before it began landfilling operations in 1968. During its years of operation, approximately 550,000 cubic yards of industrial wastes and construction debris were disposed of at the site. This included thousands of drums containing organic and inorganic hazardous substances.



Project Information

Owner: Delaware Sand & Gravel Trust Fund

Client: Paul C. Rizzo Associates, Inc.

Contract Type: Fixed Price/
Fixed Unit Price

Value: \$1,018,078

Type of Work: Slurry Wall

Contaminants: Heavy metals and Organics

Scope of Work

- Conti installed a 62,000 square foot slurry wall around the Drum Disposal Area. Work was performed in Level B and Level C PPE. The slurry wall was installed to depths of 52 feet, utilizing a large backhoe with an extended stick.
- Areas of extremely hard rock, commonly referred to as ironstone, were encountered that did not appear in any of the project boring logs. Conti responded by mobilizing a drill rig to pre-drill the rock layers, allowing the backhoe to continue operations.
- Conti segregated unacceptable material and placed it within the containment area.
- Conti prepared and implemented the Site-Specific Health and Safety Plan. A full-time Site Health and Safety Officer performed all occupational monitoring.
- Conti successfully completed the project to the satisfaction of the client and the regulatory agencies despite the difficult conditions.