

WHAT CAN WE DO FOR YOU?



*Cardinal's solution eliminated the need for a groundwater containment system, eliminated the excavation of soils from beneath active manufacturing lines, reduced the scope of soil investigations, and helped avoid extensive off-site investigation. **These modifications saved the client over \$250,000.***

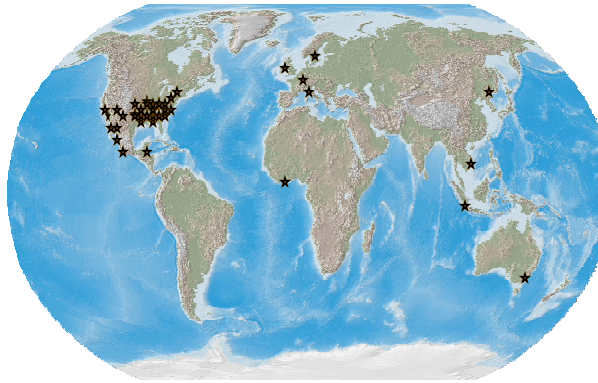


***Cost-savings of over \$2,000,000** were realized by a focused remedial action that kept a manufacturing facility in operation throughout the cleanup.*

*Cardinal Resources' team members saved the client an **estimated \$2,000,000 to \$3,000,000** in waste disposal costs during cleanup of PCB-contaminated sediments in this storm water retention pond.*



A LOCAL COMPANY



WITH GLOBAL PRESENCE



CARDINAL RESOURCES LLC

ENVIRONMENTAL ENGINEERING AND CONSULTING



CLEAN WATER



CLEAN ENVIRONMENT



WORLDWIDE

CARDINAL RESOURCES LLC

4326 NORTHERN PIKE
MONROEVILLE, PA 15146

PHONE: 412-374-0989

FAX: 412-374-0959

E-MAIL:

CARDINAL@CARDINALRES.COM

WWW.CARDINALRES.COM

PROBLEM ASSESSMENT

Cardinal Resources will visit your site to properly assess your concerns. We approach your issues as if they were our own, keeping in mind:

- Practical cost-effective solutions
- Operational and financial sense
- Protecting human health and the environment
- Satisfy permit and regulatory requirements
- Take into account community concerns

“Your proposal distinguished itself . . . it had a discernible ‘roll-up the sleeves’ aggressiveness.”

VALUABLE SOLUTIONS

Once we understand your needs, **Cardinal** brings their worldwide experience toward solving your problems. Some of our solutions include:

- Environmental Due Diligence so that you can **buy/sell/develop** your property
- Assessing/remediating your site so that it can be put back into **profitable** use
- Improving your wastewater treatment process to **reduce** your raw materials requirements and **disposal costs**
- Acting as your representative in negotiations with regulators to come to a quick, **common-sense resolution** to any problem
- Submitting your **permit applications** or environmental reports to regulatory agencies

“Cardinal offered a set of potential solutions to source and plume groundwater where other proposals were reluctant to state their opinions fully.”

EXPERT SERVICES

Cardinal principals work closely together to deliver world-class services to our clients.

These services include:

- Environmental assessment and due diligence
- Soil, groundwater, and sediment remediation
- Water/wastewater engineering design, permitting, and operation
- Hazardous waste management
- RCRA/CERCLA investigations
- Regulatory liaison and legal support
- Emergency response management
- Environmental outsourcing
- Tank management and compliance
- Geotechnical engineering



QUALIFICATIONS

Cardinal Resources has a tradition of responsiveness, professionalism, and service that will continue to grow and help fuel the growth of your business. We offer:

- Disciplined people, rigorous thinking, focused action - a “no-nonsense” approach
- A passion for practical as well as innovative solutions
- A genuine respect for our clients
- An average of 20 years of experience in the engineering and environmental industries
- Established relationships with local and federal agencies
- Expertise in U.S. and global environmental regulations
- Professional staff of engineers, geologists and geoscientists
- OSHA and Hazardous Waste Site trained
- Experts willing to listen, learn about your business, and give straightforward advice and solutions

“I appreciate the fine job you and your team have done in leading [us] through this difficult issue.”

CARDINAL RESOURCES LLC

4326 Northern Pike
Monroeville, PA 15146

Phone: 412-374-0989

Fax: 412-374-0959

E-mail: cardinal@cardinalres.com