Industry faces constant business challenges that require creative cost-effective solutions, including:

- Compliance with state and federal environmental and occupational safety regulations
- Energy costs
- Production throughput and efficiency
- Product quality demands
- Operating and maintenance costs and customer production/quality demands.

TRC provides a comprehensive mix of environmental compliance expertise, process engineering knowledge, and construction project management capabilities to help industry meet these chemical, industrial, mechanical, and environmental process challenges.

Our process engineering and design teams develop innovative solutions to complex regulations, such as:

- NSPS
- NESHAP/MACT
- NAAQS
- State and federal operating permit requirements

- BACT, or similar control technology requirements
- State and federal citation or consent order requirements
- OSHA-related issues, such as NEPs, changing chemical/hazard exposure threshold limits, and citations

TRC can also assist with other business improvement related issues, including:

- New process or raw materials
- Process changes for improved quality and/or production expansion
- Upstream process improvements or alternative materials/fuels to avoid regulatory issues
- Changing to lower cost or alternative fuels, such as biomass for carbon footprint reductions
- Integrating existing equipment to control emissions from other sources
- Upgrade/replacement of aging manufacturing equipment/processes to reduce maintenance and operating costs
- Energy recovery to reduce operating costs and carbon footprint
- Reducing risk to lessen the probability of or impacts to plant, personnel, or surroundings
TRC’s process engineering team can provide deliverables, such as:
- Feasibility studies and cost estimates
- Process mass and energy balance calculations
- Occupational and ambient air quality assessments
- Permitting and technical support of permit negotiations
- Troubleshooting of existing processes and pollution control equipment
- Detailed process and instrumentation diagrams
- Detailed equipment layouts and installation drawings
- Equipment procurement specifications
- Vendor selection and oversight
- Construction management
- Startup and commissioning assistance
- Source testing
- Operator training

About TRC
A pioneer in groundbreaking scientific and engineering developments since the 1960s, TRC is a national engineering, consulting and construction management firm providing integrated services to the power, oil and gas, environmental and infrastructure markets. We serve a broad range of clients in government and industry, implementing complex projects from initial concept to operations. TRC delivers results that enable clients to achieve success in a complex and changing world.

TRC includes over 4,000 technical professionals and support personnel in more than 120 offices throughout the U.S. Our clients depend on TRC’s multidisciplinary teams to design solutions to their toughest business challenges.

Representative Clients

- Air Products & Chemicals
- AkzoNobel
- Alcoa
- Aleris International
- Atlas Resin
- Cardinal Glass
- DuPont
- Eastman Kodak
- Eli Lilly
- InterfaceFLOR
- INEOS
- Johnson Controls
- Louisiana-Pacific
- Norandal
- Norfolk Southern
- Sanders Lead
- Water Gremlin
- Wisconsin Department of Administration

Why TRC?
- TRC has a long history solving difficult environmental problems.
- We excel in providing creative options and comprehensive solutions.
- We are dedicated to helping our clients reach their goals.