

## OIL & GAS SECTOR SERVICES

### > Air Quality Support for the Oil & Gas Industry

Founded in 1974, Trinity Consultants is recognized internationally for broad air quality consulting skills as well as expertise in the oil and gas sectors.

#### Oil and Gas Experience

With a core focus on air quality services coupled with a strong presence in oil and gas producing locations, Trinity has substantial experience in the oil and natural gas upstream, midstream, and downstream sectors and a keen understanding of the regulatory requirements impacting oil and gas operations. Trinity's offices have been supporting oil and gas clients for more than 40 years. In the past five years alone, Trinity has completed nearly 4,000 projects for the oil and gas industry including more than 100 EHS audits.

Trinity Consultants is an international firm with offices throughout the United States serving more than 2,000 clients annually in all 50 states as well as China and the Middle East. Trinity possesses an exceptional blend of air quality and environmental management skills. As a leader among consulting firms in the air quality field, Trinity understands the nuances of complex air related regulatory requirements and how they affect the oil and gas industry.

#### Air Quality Permitting

Whether constructing a new facility, expanding an existing facility, or modifying operations, your actions may be subject to air quality permitting and other

regulatory requirements. Effective air permitting requires extensive practical experience in all aspects of air quality analysis and regulation. Trinity has completed thousands of projects for oil and gas clients and we bring this expertise to each project. Trinity has also conducted modeling studies to meet the requirements of many specialized and often technically challenging scenarios.

Our staff consists of professionals with backgrounds in engineering, environmental sciences, and meteorology. Many have graduate and post-graduate degrees and professional certifications. This diverse and multi-disciplinary group of experienced professionals allows Trinity to deliver the highest quality solutions, efficiently and cost-effectively. Our areas of support include:

- > State (Minor) New Source Review (NSR) regulatory analysis and permitting, including:
  - Permit modifications
  - Streamlined permits
  - Standard permits
  - Case-by-case permits, permit amendments, permit renewals
- > Federal NSR regulatory analysis and permitting support for:
  - Prevention of Significant Deterioration (PSD)
  - Nonattainment NSR
- > Title V operating permits
- > Ambient monitoring and Method 9 observations
- > Control technology determinations — BACT, RACT, LAER, MACT
- > NSPS and NESHAP applicability analyses and compliance plans
- > Emissions inventories for:
  - Criteria pollutants
  - Greenhouse gases
- > Tribal lands permitting
- > Risk Management Programs development/renewal



## Regulatory Air Dispersion Modeling

Trinity is recognized nationally and internationally for our skills in conducting air dispersion modeling studies to support permit applications, compliance demonstrations, emergency response planning, and impact and feasibility assessments. Trinity has performed thousands of air dispersion modeling analyses in support of air quality projects using dispersion models sanctioned by EPA and other regulatory authorities, including AERMOD, ISC, CALPUFF, and accidental release models. Our modeling experience allows us to provide state-specific insight for each project and to develop the most beneficial strategies based on client needs.

Trinity's technical staff has performed many types of accidental release analyses, including off-site consequence analyses required by the Section 112(r) Risk Management Program. Trinity has also performed hazards analyses to assist companies with internal planning and to support legal proceedings. These types of analyses can be technically challenging and are performed by Trinity's hazards modeling specialists, including Ph.D. scientists.

## Audit Experience

Trinity is known for our skills in evaluating compliance with regulatory requirements and conformance with management system processes and practices. Using extensive permitting experience and in-depth knowledge of state and federal environmental regulations, Trinity is ideally suited to conduct effective compliance audits to ensure that all applicable regulations have been properly addressed, determine compliance status, and suggest corrective action where needed. The result is a complete picture of all regulatory requirements to help you attain or maintain compliance. Trinity provides a full range of audit services from audit planning through implementation and closure of corrective action items.

## Climate Change Services

Climate change has emerged as a critical issue and is likely to result in the promulgation of regulations to limit GHG emissions. Trinity has experience developing comprehensive climate management strategies including:

- > GHG emissions inventories
- > Reporting/mitigating GHG emissions
- > Participating in trading programs

## Other Media

To meet our clients' needs, Trinity also provides assistance on non-air quality issues including:

- > SPCC Plan development
- > Stormwater and waste water management
- > Wetlands assessment

## Technology Based Compliance Solutions

T3, a division of Trinity Consultants, has extensive experience assisting oil and gas clients with technology based compliance solutions to help them operate efficiently and cost-effectively, while improving EHS performance. Technology solutions for the oil and gas sector include:

- > Mobile solutions for collecting and managing field EH&S and maintenance data
- > Compliance solutions using Microsoft SharePoint® for streamlined documentation and reporting
- > Third-party enterprise software for sharing information across the organization

## Partnering with Trinity

Whatever your challenge, Trinity has the experience and insights to provide intelligent solutions to optimize air quality related environmental performance. Our knowledge and experience across a wide range of environmental issues make us an excellent partner on these issues.

For assistance, contact your local Trinity office at (800) 229-6655 or Georgette Reeves, Director, Oil & Gas Sector Services at (512) 349-5800 or [greeves@trinityconsultants.com](mailto:greeves@trinityconsultants.com).

*ISO 9001:2008 certified at our corporate office in Dallas, Texas*

