



**Trinity Consultants** is a leading global environmental consulting firm that brings 50 years of experience providing services and solutions in the EHS Regulatory Compliance, Built Environment, Life Sciences, and Water & Ecology markets. Trinity has the technical expertise, industry depth, and specialized capabilities to help clients achieve their goals across the natural and built environments.

Well known for our in-depth experience in air quality regulations, we have expanded our capabilities to meet our clients' multimedia needs. Although our depth of services has evolved, we have never wavered in our commitment to air quality consulting and to providing accurate, timely, and professional service for our clients.

With more than 70 offices nationwide, Trinity is strategically positioned to assist with the critical environmental issues affecting all aspects of the mining industry. Trinity takes pride in understanding not only the regulatory issues and challenges affecting mining clients' operations, but also in understanding their industry and the processes involved in exploration, mining, processing, and refining activities.

## Air Quality Permitting and Compliance

Whether constructing a new facility, expanding an existing facility, or modifying operations, your actions may be subject to air quality dispersion modeling, permitting, and other regulatory requirements. Effective permitting requires extensive practical experience in all aspects of air quality analysis and regulation. Trinity has completed hundreds of projects for mining clients and we bring this expertise to each project. Trinity has also conducted dispersion modeling studies to meet the requirements of many specialized scenarios.

Our experienced staff have backgrounds in engineering, environmental sciences, and meteorology. This diverse and multi-disciplined group of experienced professionals allows Trinity to deliver the highest quality solutions, efficiently and cost-effectively. Our areas of support include:

- Environmental Management Information System (EMIS) Implementation
- State (Minor) New Source Review (NSR) regulatory analysis and permitting
- Federal NSR regulatory analysis and permitting support for:
  - Prevention of Significant Deterioration (PSD)
  - Nonattainment NSR
- Air Quality Analysis for Environmental Impact Statements (EIS)



- NSPS and NESHAP applicability analyses and compliance plans
- Ambient monitoring
- Dispersion modeling analyses (including blasting, 1-hr SO<sub>2</sub> and NO<sub>2</sub>, visibility impacts, etc.)
- Compliance audits
- Emissions inventories for stationary and mobile sources (using the MOVES model) for:
  - Criteria pollutants
  - Hazardous Air Pollutants (including mercury)
  - Greenhouse gases (GHG)
- Fugitive emissions quantification for roads, blasting, Solvent Extraction and Electrowinning (SXEW), etc.
- Title V operating permits
- Stakeholder communications with agencies, federal land managers, BLM, etc.

Trinity's strategic office locations are staffed by resident consultants with an intimate understanding of the state and local air permitting processes as well as strong working relationships with local regulatory agencies. Trinity assists mining facilities with ongoing compliance requirements related to existing permits and provides permitting assistance for projects ranging from construction of a new mine site to installing a new air pollution prevention control device. Trinity is familiar with the latest control technologies used in mine processing facilities and provides a wide range of expertise for both metal and coal mining operations.

## Air Dispersion Modeling Expertise

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, CALPUFF, CAMx, and accidental release models. We are also experienced in addressing some of the more controversial aspects of air dispersion modeling such as meteorological and background data completeness and selection, ozone impact analyses, secondary PM2.5 formation and analyses, intermittent emission sources, etc. Our modeling experience allows us to provide state-specific insight for each project and to develop the most beneficial strategies based on client needs.

## Climate and Energy Services

Climate change has emerged in recent years as a critical issue affecting the mining industry, especially in EIS proceedings. Trinity has experience developing comprehensive climate and energy management strategies including determining affected sources, developing written monitoring plans, and reporting GHG emissions. Trinity also assists clients with voluntary initiatives such as the creation and implementation of sustainable development programs. Through these activities, Trinity helps to articulate goals, implement relevant recommended strategies, identify appropriate metrics for measuring ongoing progress, and evaluate and adjust climate change strategies in order to adapt to new and emerging requirements affecting the industry.

## 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.

## Technology-Based Compliance Solutions

Trinity's Digital Solutions team has experience assisting mining industry clients with technology based compliance solutions to help them operate efficiently and cost-effectively, while improving EHS performance. Digital Solutions partners with leading software providers to identify and implement compliance solutions based on the unique needs of our mining industry clients. Technology solutions for the mining sector include:

- Compliance solutions using Microsoft SharePoint® for streamlined documentation and reporting
- Third-party enterprise software for sharing information across the organization

## Why Choose Trinity

Trinity maintains a strong group of consulting professionals with extensive mining experience who collaborate and communicate frequently on issues related to the mining industry to help keep you informed of important regulatory developments. Whatever your challenge, Trinity has the experience and insights to provide intelligent solutions to optimize air quality related environmental performance for our mining clients. Our knowledge and experience across a wide range of environmental issues make us an excellent partner for addressing these matters.

**ISO 9001:2015 certified at our corporate office in Dallas, Texas**

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### CONTACT OUR TEAM!

For more information about how we can help your organization, please contact us.

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