



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 wood products industry. Trinity takes pride in understanding not only the regulatory issues and challenges affecting wood products clients' operations, but also in understanding their industry and the processes involved in manufacturing various types of products.

Trinity has extensive experience assisting the wood products industry with its regulatory compliance and environmental management requirements, completing more than 500 projects for wood products clients in the last 5 years.

Environmental Permitting and Compliance

Effective permitting requires extensive practical experience in all aspects of air quality analysis and regulation. Trinity has completed over 500 projects for wood products clients in the last 5 years and we bring this expertise to each project. Our significant project experience combined with our active participation in associations such as the National Council for Air and Stream Improvement (NCASI) gives us the expertise to assist our clients with their environmental compliance needs. 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:

- Air Compliance support and EHS Compliance audits
- Air Dispersion Modeling (Air Toxics, Risk Assessments, etc.)

- Annual Emission Reports, Emissions inventories for stationary and mobile sources) for:
 - Criteria pollutants
 - Hazardous Air Pollutants (including mercury)
- Emissions Monitoring Support
- Federal NSR regulatory analysis and permitting support for:
 - Prevention of Significant Deterioration (PSD)
 - Nonattainment NSR
- Multimedia Permitting and Regulatory Support
 - NPDES, SPDES, SPCC and SWPPP permitting
- NSPS and NESHAP applicability analyses and compliance plans
- State (Minor) New Source Review (NSR) regulatory analysis and permitting
- Title V operating permits
- TRI (Toxics Release Inventory) and Tier II
 - Including reporting, calculation review, necessary documentations, and support

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 wood products facilities with ongoing compliance requirements related to existing permits and provides permitting assistance for projects including obtaining state construction permits, Title V operating permits, and PSD construction permits.

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 PM_{2.5} 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.

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.

NSR/Management of Change (MOC)

Trinity has completed many PSD projects nationwide for wood products including several recent lumber mill expansions and permitting of new continuous direct-fired lumber kilns. Trinity has been able to work with state agencies to ensure timely issuance of permits that involved complex modeling and analysis, and helped facilities develop strategies for PM10 and PM2.5 emission factor and estimation development.

For PSD major sources, capital project review is necessary to ensure that state construction permits with PSD avoidance conditions or PSD permits are obtained as necessary. Trinity assists facilities in the wood products industry with NSR analysis and management of change planning for future capital projects to ensure proper permits are obtained.

Water Quality Support

Trinity has assisted numerous wood products facilities with obtaining NPDES/pretreatment/indirect discharge permits for their process wastewater streams, and has assisted several lumber mills with amending existing permits for additional discharge from new continuous direct-fired lumber kilns.

The NPDES program requires industrial facilities covered by the multi-sector storm water permit to develop and implement a storm water pollution prevention plan (SWPPP). These plans include facility-specific information (e.g., drainage maps, pollution prevention team members, potential sources of storm water pollution, etc.) as well as management, employee training, and recordkeeping practices. Trinity has developed SWPPPs for many wood products facilities and regularly assists with regular compliance reporting.

The Clean Water Act also contains provisions that require facilities that could reasonably be expected to discharge oil (or petroleum products) in harmful quantities into U.S. waters to prepare a Spill Prevention Control and Countermeasure (SPCC) Plan. SPCC Plans ensure that facilities have in place containment and other controls that would prevent oil spills or mitigate their effects. Trinity has assisted several wood products facilities with SPCC development.

Combustible Dust Risk Management

The National Fire Protection Association (NFPA) recently developed a number of consensus standards to address the dangerous consequences of explosions caused by fire and combustible dust. In this specific situation, the traditional trio of elements needed for a fire - fuel, heat and oxygen - are combined with dispersion of dust particles in sufficient quantity and concentration, and confinement of the dust cloud to create a catastrophic combustible dust explosion. NFPA 652 now requires facilities to review and analyze sources of dust and conduct Dust Hazard Analysis (DHA) to identify hazards and recommendations to reduce potential risk.

Trinity's experts provide the background and knowledge necessary to provide thorough guidance including an understanding of dust ignition sources, the likelihood of a combustible atmosphere to occur in/around certain equipment, and the most appropriate risk mitigation techniques. Trinity has assisted numerous wood products facilities in completing DHA.

Why Choose Trinity

Trinity maintains a strong group of consulting professionals with extensive wood products experience who collaborate and communicate frequently on issues related to the wood products 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 wood products 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

CONTACT OUR TEAM!

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

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