



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.

Established in 1974, Trinity is widely recognized as a quality focused environmental consulting firm with deep, longstanding expertise in the power sector. Our nationwide, “local everywhere” team is composed of highly skilled engineers, meteorologists, and scientists, many with advanced degrees and professional certifications—whose multidisciplinary backgrounds enable us to deliver high quality, efficient, and cost effective solutions. Trinity’s designated power industry subject matter experts are actively engaged in each project, ensuring clients benefit from superior technical proficiency and smart, practical strategies tailored to the unique demands of power generation.

Power generation facilities face complex environmental permitting and ongoing compliance requirements, whether constructing new infrastructure, expanding existing operations, or making operational modifications. Trinity’s staff brings substantial, hands on experience within the power industry and an in depth understanding of applicable regulatory frameworks and permitting processes. This combination of technical capability and sector specific insight allows Trinity to guide power generators effectively through permitting, implementation, and long term compliance, providing confidence and clarity at every stage.

Our targeted environmental services include the following:

Air Quality Permitting

Trinity is recognized across the industry as the air quality experts, trusted for delivering solutions to the most challenging air permitting and compliance needs. Our air permitting experience is unmatched, and we are widely regarded as the premier firm for air dispersion modeling, helping clients navigate the increasingly stringent standards that are often pivotal to project approval. Trinity works closely with each client to develop an optimal, proactive air permitting strategy, accounting for all potentially applicable requirements with a focus on securing maximum operating flexibility. When it comes to air quality excellence, clients turn to Trinity first. Trinity assists power clients with:

- Siting feasibility and regulatory applicability analyses
- Emissions quantification



- Air dispersion modeling [Class I, meteorological data modeling, modeling emission rates for precursors (MERPs), impacts to Air Quality Related Values (AQRVs), National Environmental Policy Act (NEPA) modeling, MOVES modeling for parking lots, etc.]
- Ambient and air quality monitoring
- Permit applicability analyses
- Preparation of strategic permit applications including:
 - Prevention of Significant Deterioration (PSD) including PSD actual emissions and netting
 - Nonattainment New Source Review (NNSR)
 - State construction and operation permits
 - Title V operating permits
- Criteria and greenhouse gas best available control technology (BACT) and lowest achievable emission rate (LAER) assessments
- Best Available Retrofit Technology (BART) analyses
- New Source Performance Standards (NSPS), National Emissions Standards for Hazardous Air Pollutants (NESHAP) standards and other unique situations

Water Quality Permitting

Trinity’s water quality experts provide comprehensive support to the power industry across the full spectrum of water quality permitting, compliance, and planning needs. Our capabilities have been further expanded through recent mergers and acquisitions that brought in complementary consulting firms, enabling us to deliver fully integrated technical and regulatory expertise. Together, these combined teams support the complete lifecycle of power sector projects, including renewable energy generation, transmission infrastructure, and energy storage, ensuring reliable, compliant, and efficient project execution. Our expertise includes:

- Wetlands assessment Waters of the U.S. jurisdictional determinations



- Stormwater (NPDES) and wastewater management, permitting, and training
- CWA Section 316(b) (CWIS Rule) compliance
- CWA Section 404 permits
- Stormwater Pollution Prevention Plan (SWPPP) and Spill Prevention, Control and Countermeasure (SPCC) Plan development and training
- Water resources engineering, such as design, drainage, and water management to assist in project siting and stakeholder communication, while minimizing environmental impacts
- Groundwater supply assessments, aquifer testing, and contaminant forensics to support water supply planning

Waste Management

Trinity delivers comprehensive waste management program support and regulatory compliance services to power generators, fuel manufacturers and processors, as well as energy recovery and beneficial reuse program end users. Our team helps organizations navigate a wide range of waste related responsibilities, including:

- Resource Conservation Recovery Act (RCRA) permitting and compliance
- Solid waste hazardous waste management, determinations and contingency plans
- Alternative fuels and beneficial reuse, including non-hazardous secondary material (NHSM) guidance



- Specialty waste approvals
- Waste minimization programs
- Recordkeeping, reporting, notifications
- Dust hazard analyses

Environmental Compliance Reporting

Trinity supports numerous power sector clients each year with comprehensive environmental compliance reporting to meet federal, state, and local regulatory requirements. Our team prepares and manages a full range of routine and specialized reports, including:

- Emission inventories
- TSCA reporting
- Title V annual and semi-annual reports
- Statements of compliance
- EPCRA reporting (Tier II/TRI)
- GHG reporting
- NESHAP/NSPS reporting
- Stormwater discharge monitoring reports (DMRs)
- Biennial hazardous waste reporting
- Refrigerant management reporting

Process Safety Management (PSM) and Risk Management Program (RMP)

Trinity has established a reputation for excellence in providing a broad range of process safety services for the power generation industry, for clients needing OSHA Process Safety Management (PSM) and EPA Risk Management Program (RMP) compliance support. Trinity utilizes a team of qualified consultants, which includes senior level consultants with expertise gained from managing PSM/RMP programs in industry prior to joining Trinity. These experts have a thorough knowledge of the issues facing our power clients. Trinity has provided these services for a broad range of industries and processes, including ammonia at power generating sites. Typical services include the following:

- Tracking applicable regulatory developments
- PSM/RMP applicability and covered process boundary evaluations
- Assisting with preparation and implementation of PSM/RMP compliance program elements
- Review the program to ensure that it meets all legal requirements and is consistent with good engineering and management practices
- Conducting program audits including required triennial regulatory compliance audits
- Facilitating Process Hazard Analyses (PHAs) for existing and new operations
- Conducting off-site consequence analysis (OCA) modeling
- Preparing the Risk Management Plan, updates, and submittals
- Training personnel on PSM/RMP elements and program execution
- Assisting clients during agency inspections and meetings



Sustainability and Assurance and EHS Auditing

Trinity's Sustainability and Assurance team helps organizations address EHS challenges from every angle—including strategic planning, program evaluation, and systems development. Our experts bring deep technical and operational insight to support clients in understanding enterprise wide EHS impacts, meeting evolving stakeholder expectations, managing EHS related risks and opportunities, and driving measurable improvements in EHS performance.

Trinity is also widely recognized for its rigorous EHS auditing capabilities. Our team excels at evaluating compliance with regulatory requirements as well as conformance with management system standards and best practices. Leveraging extensive permitting experience and a detailed understanding of state and federal environmental regulations, Trinity is uniquely positioned to conduct comprehensive, effective compliance audits.

These services include:

- EHS auditing, including CEMS/DAHS audits
- Sustainability / climate change support
- Environmental management system assessments and support
- Due diligence and risk management for mergers and acquisitions
- Environmental site assessment (Phase I/II/III)

Additional Services

Trinity can assist with a full spectrum of environmental, engineering, and regulatory services designed to streamline project delivery and ensure long-term compliance. From early-stage feasibility and permitting to site selection, development, and facility operations, our team brings deep technical expertise and regulatory insight to every phase of energy infrastructure development. In addition to the services outlined above, Trinity routinely provides these additional services to the power sector:

- FERC and NEPA/CEQA support
- Land use planning
- Health risk assessments

- Industrial hygiene support
- Noise monitoring and modeling
- Odor analysis
- Combustible dust management
- Refrigerant management support
- Litigation support

Professional EHS Training

Annually, Trinity offers more than 300 courses on a variety of air and environmental topics, including power-focused courses. Trinity delivers valuable training seminars on state air quality permitting requirements, environmental reporting requirements, water permitting and compliance, hazardous waste management, and GHG management.

Trinity's deep regulatory expertise is recognized not only by industry but also by government agencies. State and federal regulators routinely request our team to train permit writers and compliance staff on air regulations and their real world application across industrial operations. This level of trust reflects our long-standing reputation for regulatory knowledge, technical insight, and hands on experience.

Trinity Can Help

Trinity's power-sector clients benefit from a team of seasoned environmental professionals who stay at the forefront of industry trends and regulatory developments. Our experts collaborate across disciplines to ensure every project is informed by the most current guidance, practical insights, and proven strategies.

No matter the complexity of your environmental challenge, Trinity brings the experience, technical depth, and strategic perspective needed to deliver smart, effective solutions that enhance compliance and optimize environmental performance.

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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