



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.

With offices located across the world, we are strategically positioned to assist clients with the critical environmental issues related to data center permitting and compliance. Our experienced staff provides valuable expertise in engineering, environmental sciences, meteorology, project management, and business strategy. This diverse and multi-disciplined group of experienced and dedicated professionals allows Trinity to deliver the highest quality solutions, efficiently and cost-effectively.

Environmental Permitting and Compliance for the Data Center Industry

Trinity understands the unique and challenging permitting and compliance issues faced by data center facilities at both the state and federal level. In the last eight years, Trinity has assisted over 50 clients with more than 120 data center-related projects in the U.S. Our consultants are well-versed on the regulatory demands associated with maintaining compliance and permitting physical and operational changes to stationary emission sources, including data centers.

Air quality is a critical environmental issue in the development of a new data center project. Our focus on air quality allows us to anticipate and adapt to the inevitable challenges that arise during the permitting process for a new and modified equipment commonly associated with the data center industry such as generators and cooling towers. We monitor industry-specific trends that may impact future permitting projects such as control equipment requirements and contested New Source Review (NSR) cases to ensure our clients submit the most streamlined and legally defensible permit application as possible to avoid any foreseeable delays.

Trinity provides data center industry clients with a wide array of technical support including:

- Environmental fatal flaw analysis and site selection
- Greenfield and brownfield environmental due diligence
- Regulatory applicability analysis and permitting strategy
- Local, state, and federal agency communication and negotiations
- Local, state, and federal environmental permitting
- Community outreach



Regulatory Air Dispersion Modeling

Trinity is widely recognized for expertise in performing air dispersion modeling in support of air quality permit applications, compliance demonstrations, emergency response planning, and impact and feasibility assessments. Trinity staff have performed thousands of air dispersion modeling analyses using dispersion models sanctioned by the EPA and other regulatory authorities. Our modeling experience allows us to provide state-specific insight for each project and to develop the most beneficial strategies based on client needs.

Multimedia Support

With valuable insight from Trinity's experienced professionals, systematic identification of issues, and structured solutions to problems, our multimedia Environmental Health and Safety (EHS) services include:

- Process Safety Management (PSM), Risk Management Program (RMP), and Process Hazard Analysis (PHA) services for any RMP chemical such as ammonia which may be stored on site
- Spill Prevention Control and Countermeasure (SPCC) support and Industrial Stormwater Permitting
- Hazardous waste permitting and compliance
- Stack test and emission monitoring services
- Continuous Emissions Monitoring System (CEMS) program development, installation, and audits
- National Environmental Policy Act (NEPA) and Environmental Impact Statement (EIS) project management, documents, and analyses

Climate Change, Sustainability and Environmental Management Systems

As a recognized leader in industrial air quality issues, Trinity is uniquely qualified to assist with climate change and energy efficiency needs. Our services include:

- Greenhouse gas (GHG) emissions quantification, foot printing, mitigation, benchmarking, offset projects, and verifications, including CDP (formerly the Carbon Disclosure Project) voluntary reporting and The Climate Registry (TCR) General Reporting
- GHG Best Available Control Technology (BACT) and control analyses
- Energy efficiency assessments
- ISO 14001/18001/50001 program and Environmental Management System (EMS) development, auditing, and support

Environmental Management Information Solutions

Compliance with environmental regulations requires management of an extensive amount of information. Trinity has specialized expertise in the application of information technology (IT) to advance and transform the way organizations manage environmental data. From improving recordkeeping to streamlining reporting, our unique combination of EHS, IT, and management system capabilities are a powerful combination to provide effective, sustainable solutions for our clients. In addition to enhancing the information management processes, our team helps organizations better leverage information to lower compliance and operational risks. These can include simple compliance calendars to improve the visibility of deadlines and accountability. EHS Digital Solutions can also assist in the deployment of more detailed data and task tracking systems with automated reminder and escalation processes. With exceptional knowledge in regulatory requirements, information technology, and industry practices, EHS Digital Solutions is ideally suited to provide cost-effective solutions to industry's challenging environmental data management requirements.

Environmental Reporting

Reporting of environmental data is the lifeblood of an organization's environmental footprint, as assessed through the eyes of the government, general public or public interest groups. Ensuring that information is submitted in an accurate and timely fashion is imperative. Trinity routinely assists clients with their multimedia compliance reporting obligations including the following:

- Annual Emission Inventories
- Title V Semi-Annual Monitoring Reports, NESHAP Deviation Reports, and Annual Compliance Certifications
- EPCRA Reporting: Toxic Release Inventory (TRI) and Hazardous Chemical Inventory (Tier I/II)
- GHG Inventory under 40 CFR 98 (via EPA's eGGRT System)
- EPA Hazardous Waste and State-required Waste Reports

- Water Discharge Reports
- Periodic TSCA Reports
- Refrigerant (Ozone Depleting Substance) Reporting

Why Choose Trinity

In short, there's no better choice for your dispersion modeling needs. Our experience is multi-faceted and extensive. Our strategies are innovative, time saving, and cost-effective. Our staff and tools are the best in the business.

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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