

Power Generation Air Quality Services

Air quality requirements can form the cornerstone of power project permitting and compliance. Tetra Tech provides successful project support using expertise in modeling, facility and pollution control engineering, operational requirements and regulatory knowledge for a broad range of projects throughout the United States and Canada.

Tetra Tech provides comprehensive air quality services to clients throughout the United States and Canada. Requirements for air quality permitting and regulatory compliance can vary considerably among local and state agencies; Tetra Tech's broad presence and experience has allowed us to build expertise in attainment areas, in or near non-attainment areas, on tribal lands, and in or near Environmental Justice communities.

Tetra Tech's professional scientists and engineers have many years of experience providing cost-effective solutions. The services we provide at the planning phase of new projects incorporate our knowledge of facility operational issues to result in permit conditions that support operational flexibility and future compliance. Tetra Tech understands and tracks evolving air quality regulations and issues affecting the power industry.



Tetra Tech provides air quality services throughout a power project's life-cycle.

- Our extensive air permitting experience for a wide variety of power plant technologies, sizes and fuels allows us to work effectively toward an air permit that provides maximum operational flexibility
- In addition to providing comprehensive dispersion modeling capabilities using the full range of U.S. EPA guideline models, Tetra Tech has designed many innovative modeling protocols accepted by agencies to help clients meet the ever-changing and more rigorous air quality standards
- Tetra Tech can support air quality-related compliance activities during facility construction, start-up and operations
- Tetra Tech offers a full line of auditing and environmental training services
- With our practical operating knowledge, we work with clients to update facility practices to reflect "lessons learned" and integrate compliance assurance strategies

Tetra Tech is a leading provider of consulting, engineering, program management, construction management, and technical services. The Company supports commercial and government clients by providing innovative solutions to complex problems focused on water, environment, energy, infrastructure, and resource management. With 13,000 employees worldwide, Tetra Tech's capabilities span the entire project life cycle.

Tetra Tech provides a full suite of air quality capabilities:

Planning

- Project feasibility studies/strategic planning
- Regulatory applicability evaluations
- Preliminary evaluations of emissions and/or impacts
- Control technology evaluations
- Due diligence for divestures and acquisitions

Preconstruction Permitting/Licensing

- Major (NNSR/PSD) and minor source preconstruction permit applications
- Emissions inventories and source characterization
- Evaluations of regulatory requirements
- Lowest Achievable Emission Rate (LAER) and Best Available Control Technology (BACT) determinations
- Dispersion modeling (onshore and offshore)
- Pre-construction meteorological and air quality monitoring
- PSD Class I Air Quality Related Values analyses
- PSD soil and vegetation analyses
- PSD visibility impairment analyses
- Cooling tower fogging and icing analyses
- Emissions offsets

- Environmental Justice analyses
- Air toxic analysis
- Health risk assessments

Operations Support/Compliance Assurance

- Environmental management systems
- Compliance manuals for on-site personnel
- Training
- Software tools for compliance analysis/documentation
- Part 63 applicability determination records
- Part 63 (MACT/GACT) Initial Notifications/ Notices Of Compliance Status
- Part 98 GHG quantification
- Emissions reporting
- Stack testing planning/management/supervision
- Continuous monitoring system specifications and evaluations
- Compliance Assurance Monitoring (CAM/Part 64) plans
- Title V (Part 70/71) operating permit applications
- Compliance audits
- NOV response support

Tetra Tech provides industry recognized air quality expertise to the power industry:

- Permitting for new and repowered projects
- Compliance and testing services
- Knowledge of precedent development through front-line project involvement
- Expertise in the range of modeling and assessment tools
- Knowledge of operational constraints and common sources of NOVs
- Regulatory experience in jurisdictions across the United States and Canada

Company Facts:

- 13,000 employees
- Annual revenue: \$2.5 billion (FY2014)
- NASDAQ Symbol: TTEK
- Geographic reach: More than 300 offices worldwide



For more information:

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