

# Air Quality Services

**Air quality regulations and compliance requirements are expanding at an unprecedented rate.** At Apex, it's our goal to keep our clients informed of existing and upcoming requirements and to offer practical solutions, so they can comply in the simplest and most cost-effective manner. Through effective communication and commitment to our client's needs, we are proud of the relationships we've formed with clients and regulators alike in accomplishing this goal. Apex has the drive and dedication to deliver the best service in the industry.

## Why Apex?

- We have extensive technical and regulatory knowledge spanning numerous industries, including:
  - Oil and gas
  - Power generation
  - Chemical/petrochemical
  - Manufacturing
  - Aerospace
  - Surface coating
  - Metal/metallurgical processing
  - Landfills
- We have proven success working with state and federal agencies
- We are budget and deadline-driven to offer cost-effective solutions
- We partner with our clients to ensure their needs are met
- We maintain the highest level of integrity, consistently delivering high-quality products and services to our clients
- We have significant multi-rule permitting experience for projects involving new construction and/or modifications

## Permitting

- Potential-to-emit calculations
- Permit-by-rule and exemption documentation
- New Source Review (NSR)
  - Prevention of significant deterioration (PSD)
  - Nonattainment NSR
- Title V
- Greenhouse gas (GHG)

## Analyses and Studies

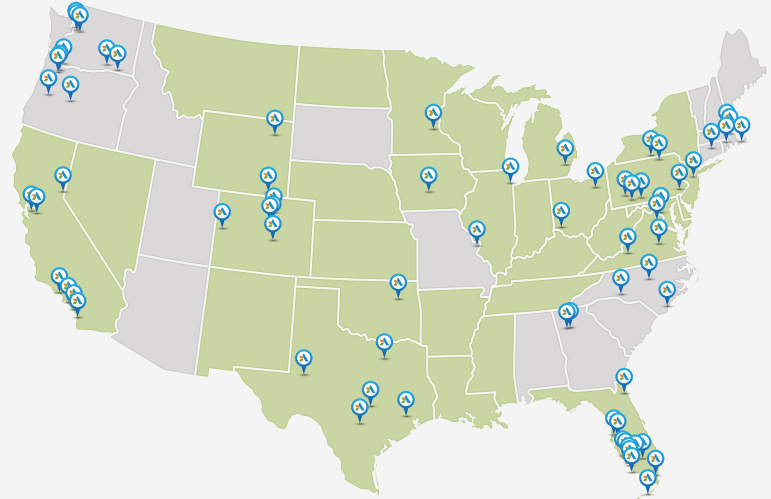
- Siting studies and feasibility analyses
- Air dispersion modeling/air quality analyses
- Ambient air sampling and monitoring programs
- Stack test contracting and oversight
- Visible emission studies
- Risk management plans
- Best available control technology (BACT) determinations
- Meteorological data analysis

## Compliance

- Annual air emission inventories (AEIs)
- GHG recordkeeping and reporting
- Toxic Release Inventory (TRI) reports
- Compliance audits
- Agency inspection preparation and assistance
- Emissions recordkeeping software and data systems
- Compliance assurance programs and support
- Leak monitoring and reporting
- Compliance reporting (Title V, NSPS, MACT)
- Self-disclosures
- Excess emission reporting
- Litigation support
- Notice of Violation (NOV) evaluation, response, and resolution
- Environmental training
- On-site staff augmentation

# National Presence. Local Expertise.

Apex operates in all 50 states and maintains a highly capable and diverse team of scientists, geologists, engineers, technicians, and information management specialists.



 Apex Offices  Apex Air Quality Experience

## Representative Projects

### *Oil and Gas Sector*

Apex has supported multiple upstream and midstream oil and gas companies with full service air consulting. We have prepared more than 500 permit-by-rule registrations and over 300 standard permit applications and minor and major New Source Review permit applications, under both PSD and Nonattainment NSR, and over 50 Title V Permit applications. We have conducted emission inventories including process modeling software; completed full regulatory applicability reviews and compliance reports for well sites, tank batteries, gas plants and compressor stations; and provided proactive and practical air permit planning at over 600 site locations in all major shale plays across the country.

### *Plastic Pipe Manufacturing Company*

For more than eight years, Apex has provided air consulting and compliance services to a leading plastic pipe manufacturer. We have worked with the client to prepare NSR permit applications that included detailed process flow, emissions calculations, BACT demonstrations, and air dispersion modeling analyses. We have prepared Title V permit renewal and revision applications and annual EIs, and regularly supported the client with Title V annual permit compliance certifications and semiannual deviation reports, initial and semiannual MACT compliance demonstration reports, and annual TRI reports. We also reviewed and updated the client's emissions recordkeeping systems and emission point designations which led to lower emission fees and a reduction in non-compliance risk.

### *Aluminum Building Components Facility*

Apex provides ongoing monthly recordkeeping, AEI preparation, and semi-annual MACT and Title V deviation reporting through the use of PaintPro® for a leading manufacturer of aluminum building components. We helped the client reduce their regulatory footprint and simplify their permitting and recordkeeping requirements. The reduction in potential emissions dropped the site out of Major Source status and we obtained Emission Reduction Credits (ERCs) the company was able to sell for \$48K. Over three years, the company saved approximately \$80K.

### *Leading Power Company*

Our client planned to construct a Greenfield 1,200 megawatt power plant comprised of four gas-fired combined cycle turbines and associated equipment. Apex helped obtain a PSD permit in 10 months, jumpstarting the schedule and generating cost savings. We performed a fatal flaw analysis evaluating the proposed site location and prepared the PSD air permit application. Acting as a liaison between the client, economic development representatives and the Texas Commission on Environmental Quality (TCEQ), we conducted a submittal meeting to expedite the permit application review, negotiated the permit provisions, helped the client and the TCEQ respond to EPA comments, and managed/provided peer review for the PSD Air Quality Analysis.

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