Geosyntec consultants

AIR QUALITY STRATEGIC SERVICES

Geosyntec's air quality practictioners collaborate with our clients, bringing a diverse set of air quality services to drive long term compliance and operational growth.

Learn more about Geosyntec's air quality services.

Achieving Favorable Outcomes for our Clients

Fit-for-purpose and practical-to-implement solutions are critical to getting the project done right the first time. Geosyntec solves complex air quality problems and helps acquire permits to construct and to operate clients' facilities in a timely and efficient manner.

On behalf of our clients, Geosyntec develops air quality compliance and permitting strategies that provide operational flexibility, minimize compliance burdens, and expedite the permitting process. Our design reviews evaluate options to reduce emissions, while considering the current process and future growth. We conduct early phase air quality modeling to proactively identify and mitigate potential adverse ambient air quality challenges.

> **Geosyntec brings nationwide experience securing and managing federal and state air permits, supported by a multidisciplinary team with deep regulatory, technical, and operational expertise.**

Compliance Planning for Future Operational Flexibility and Opportunities

Regulatory Applicability

- Siting Considerations
- Equipment Selection
- Permit Strategy

Regulatory Analysis and Permitting

- Pre-Construction/Modification vs Pre-Operational Timing
- Emission Modeling and Detailed Engineering
- Environmental Justice Screening

Operational Compliance

- Start-Up Testing
- Tracking and Reporting
- Monitoring

Stakeholder Engagement

- Public Notice or Engagement
- Application Submittal and Permit Issuance
- Notifications during Construction and Start-Up

AIR QUALITY STRATEGIC SERVICES

Energy (Utilities, Oil & Gas, Developers)

Geosyntec is an industry-leading consulting firm offering air quality services to the power industry, international oil & gas companies, and firms involved in developing renewable fuels and sustainable energy projects. We offer expertise in air permitting strategy, emission measurement, and modeling methods; broad knowledge of air-pollution control equipment; and a comprehensive team of green-house gas (GHG) and sustainability specialists who can advise on GHG reduction strategy, reporting, and disclosures.

Data Centers and Tech

Geosyntec supports developers and operators by providing tailored air quality, permitting, and compliance solutions that address unique operational and regulatory requirements. From early-phase due diligence and site suitability assessments to air permitting, dispersion modeling, noise mitigation, and indoor air quality evaluations, our team develops strategies that provide operational flexibility, minimize compliance burdens, and reduce the risk of delays. We support both new and existing facilities through stream-lined compliance programs, emissions inventory and reporting, and proactive planning for expansions.

Industrial Manufacturing

With increasingly stringent regulations, shrinking budgets, and an evolving compliance landscape, clients are under pressure to minimize costs while maintaining process uptime and regulatory compliance. Geosyntec brings deep knowledge and diverse air quality expertise to help clients solve complex odor and air quality challenges, manage strategic assets, and address issues related to environmental compliance, property transfers, and legacy site management. We help clients develop and implement air pollution control strategies that meet new regulatory requirements and integrate seamlessly into existing operations. We work together to help them navigate regulatory programs and engage with local stakeholders.

Waste Management and Landfills

With a long history in landfill engineering, Geosyntec works with owners and operators to optimize the construction of landfill gas collection and control systems and efficiently navigate environmental requirements. We have extensive experience supporting clients with the health and nuisance based odor regulations, offering odor sampling, modeling, and community response. With a growing regulatory focus on fugitive methane emissions, Geosyntec is helping clients navigate new air and climate regulations and identify additional business opportunities for methane uses. We help our clients manage the environmental aspects of landfill gas-to-energy and renewable natural gas systems.

Legal and Expert Witness

Leading law firms throughout the United States seek technical support from Geosyntec due to our expertise and credibility providing litigation support. Geosyntec provides resources for attorneys to advocate for their clients' interests on a myriad of air subjects related to business transactions, environmental management, compliance and enforcement, toxic tort, and general litigation topics. Geosyntec's team of senior air professionals frequently provide expert witness testimony opinion reports, claims assessments, and agency negotiations and settlement support.

About Geosyntec

Geosyntec is a consulting and engineering firm that works with private and public sector clients to address new ventures and complex problems involving our environment, natural resources, and civil infrastructure.

With a combined staff exceeding 2,800 engineers, scientists, and related technical and project support personnel, we serve our clients from more than 130 offices in the United States, Canada, the United Kingdom, Ireland, Sweden, Finland, Spain, Saudi Arabia, the United Arab Emirates, and Australia.

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