

Air Quality

CEC provides comprehensive air quality consulting services to help clients cost-effectively balance operational flexibility and regulatory compliance.



MONITORING AND MEASUREMENT

Monitoring and measurement of ambient air and meteorological conditions are critical for protecting public health, ensuring regulatory compliance, and maintaining environmental integrity. CEC works with the most up-to-date technologies and sensors to monitor ambient air in response to environmental releases, public concerns, and regulatory requirements.

Leak Detection and Repair (LDAR) surveys play a vital role in identifying and addressing fugitive leaks and saving our clients both valuable product and money. These emissions can contribute significantly to air pollution if not properly tracked and mitigated. CEC uses the latest technology, including unmanned aerial vehicles and optical gas imaging, to conduct surveys and can quantify leaks for many fugitive sources. With a proven track record and commitment to innovation, CEC delivers reliability and results in environmental monitoring and emissions control.

PERMITTING

Construction and operating permits are required for a wide range of processes and activities. With a thorough understanding of the processes that generate pollutants and the technologies that control them, CEC develops air permit applications for minor sources (state-only permits) and major sources (Prevention of Significant Deterioration [PSD] and Non-Attainment New Source Review [NNSR] permits). We recommend permitting strategies, provide guidance on appropriate control devices, prepare required permit applications, and develop compliance programs and procedures.

Our experts help clients prepare for and respond to regulatory developments and modify permits in response to changing conditions. We understand the importance of operational flexibility when developing air permit applications and have worked as in-house permitting support for our clients. Our expert air dispersion modelers stay current with the latest technology and modeling options to provide accurate results and suggest mitigation measures when needed. With our air permitting and regulatory knowledge across the country, CEC can provide guidance on facility siting with regards to air quality permitting. We work with our clients to develop air permitting strategies and have established relationships with regulators throughout the United States.

COMPLIANCE

CEC is a recognized leader in delivering comprehensive environmental compliance solutions, excelling across a wide spectrum of services critical to both operational success and regulatory compliance. From developing precise emissions inventories and managing annual reporting requirements to conducting in-depth regulatory analysis and advocacy, we keep clients ahead of evolving environmental regulations. Our team's expertise in compliance auditing and strategy development helps organizations build systems that not only meet current standards but anticipate future challenges. We also provide expert testimony and enforcement support, backed by defensible data and seasoned professionals, making us a trusted partner in regulatory matters. Additionally, our in-house operational compliance support offers seamless integration with client teams, providing day-to-day environmental obligations that are efficient and accurate. With a reputation for technical excellence, responsiveness, and strategic insight, CEC consistently delivers best-in-class service across the air quality landscape.

