



## **BUILDING ON OUR CORE STRENGTHS**

Tracer is dedicated to providing a comprehensive range of air quality, safety, and environmental engineering consulting services. Our staff of experts includes chemical, mechanical and environmental engineers, biologists, soil scientists, petroleum engineers, systems analysts, and meteorologists with the common goal of finding cost-effective solutions for your environmental management problems.

## **GUIDANCE THROUGH THE REGULATORY MAZE**

All of Tracer's compliance programs are designed to be responsive to the latest federal, state, and local regulations. To support your compliance efforts, we stay abreast of the laws that could affect your operations. Our vast experience with regulatory agencies, and ability to speak their language, enables us to guide you through the maze of requirements.

## **ENVIRONMENTAL, SAFETY, AND MONITORING SERVICES**

As regulations have increased in both scope and severity, our services have kept pace with our clients' needs. Tracer is equipped with technical offices, fabrication areas, and specialized simulant development laboratories.

## **PERMITTING AND COMPLIANCE SYSTEMS**

Our services include preparation of air quality permit applications for Title V, RECLAIM, NSR, and PSD. We are experienced with developing emission inventories, dispersion modeling studies, health risk assessments, Storm Water Pollution Prevention Plans (SWPPPs), Spill Prevention Control Countermeasure (SPCC) Plans, and CEM studies. Tracer also designs customized database management systems to streamline client specific monitoring, record keeping, and reporting (MRR) tasks.

## **AMBIENT AIR MONITORING AND SAMPLING**

We develop monitoring and sampling strategies along with implementation plans. Our capabilities include everything from full PSD monitoring networks for criteria pollutants to specialized sampling programs for toxic, odorous and other compounds using EPA, OSHA and NIOSH methods in both the outdoor and indoor environment. An array of analyzers, samplers, media and calibration equipment is kept on hand to support these programs.

## **CONTINUOUS EMISSIONS AND PROCESS MONITORING**

We offer cost effective monitoring equipment integration, installation, and operational services to industrial customers and local government clients. These systems include the

design and installation of automated landfill gas recovery systems and related flare systems. Tracer will provide design specifications, instrumentation requirements, site preparation, calibration, audits, data reporting, and network interfacing to ensure compliance with laws and regulations.

## **RISK MANAGEMENT AND SAFETY**

Tracer performs risk assessment and develops cost effective mitigation measures for facilities that handle acutely hazardous and regulated materials. Our capabilities encompass implementation of safety programs and performance of Vulnerability Assessments. Tracer specializes in compliance issues under OSHA PSM, EPA RMP, and CalARP.

## **REMEDIATION SERVICES**

Tracer's remediation services include environmental construction, construction management, engineering and monitoring by technical staff knowledgeable in current codes, regulations, and techniques. We also provide soil re-use opportunities under cooperative relationships with waste sites that provide alternatives for disposal of non-hazardous hydrocarbon soils in the central region of California.

## **PLUME SIMULATION STUDIES**

Through innovative application of taggant science, Tracer provides complete services which enable detailed mapping of actual contaminant plumes, leak testing for interior ventilation and gas pipeline systems, and characterization of emissions from sources within an industrial setting.

## **SPECIAL STUDIES**

Tracer takes on specialized research projects, which range from investigation and diagnosis of nuisance odor studies to development of specialized measurement systems. Our experience includes dispersion model validation, isolating pollutant sources, long distance transport and dispersion, and determination of destruction and removal efficiency (DRE) for facilities that burn hazardous waste.

## **COUNTER TERRORISM SUPPORT SERVICES**

Tracer's Counter Terrorism Services offer the ability to measure the impacts of potential threat scenarios and analyze vulnerabilities within air pathways of sensitive and high profile buildings, such as embassies. An innovative new chem/bio simulant was developed to assist with evaluating the decon process for first responders and is available for use during any drill and/or training sessions.

## **ENVIRONMENTAL ADVISORY SERVICES**

Tracer's environmental advisory services include development and implementation of focused environmental and safety compliance programs. We assume responsibility of selected environmental and safety reporting and record keeping requirements under a fixed price agreement.