Indoor Air Quality/Odor Services

TRC provides comprehensive expertise in indoor air quality (IAQ) consulting. Under the direction of TRC’s Certified Industrial Hygienists (CIHs), IAQ sampling/evaluations are typically conducted utilizing instrumentation equipped with data-logging capabilities to collect real-time indoor air sampling data for baseline parameters including:

- Carbon monoxide
- Carbon dioxide
- Temperature
- Relative humidity
- VOCs
- Particulate (dust)

In addition, TRC conducts sampling and laboratory analysis for other IAQ constituents such as mold spores, metals, and other site-specific contaminants of concern. After field inspection, data collection and evaluation by TRC’s industrial hygienists, recommendations and specifications are developed to mitigate any IAQ issues identified.

TRC is nationally recognized in the field of odor measurement, identification, modeling, and control engineering. We have conducted hundreds of studies involving:

- Sensory quantification of odor emissions
- Identification and quantification of specific odorants
- Community odor monitoring
- Determination of the impact of specific emission sources on community odor levels
- Specification of control systems
- Product claims

TRC’s odor modeling techniques can predict instantaneous occurrences of odors at various receptor locations, for both point and area sources. Potential odor impacts for odor control systems under design, and those control requirements necessary to preclude odor complaints, can be predicted.

TRC has a fully equipped olfactory laboratory for sensory odor evaluation.

As a result of the World Trade Center disaster, TRC conducted an extensive IAQ sampling program on eight floors of One Liberty Plaza, located across from the debris pile in downtown New York City. This reoccupancy evaluation was performed subsequent to cleaning operations implemented by the building manager.
About TRC

A pioneer in groundbreaking scientific and engineering developments since the 1960s, TRC is a national engineering, consulting and construction management firm providing integrated services to the power, oil and gas, environmental and infrastructure markets. We serve a broad range of clients in government and industry, implementing complex projects from initial concept to operations. TRC delivers results that enable clients to achieve success in a complex and changing world.

TRC includes over 4,000 technical professionals and support personnel in more than 120 offices throughout the U.S. Our clients depend on TRC’s multidisciplinary teams to design solutions to their toughest business challenges.

Why TRC?

• TRC staff includes PhD scientists, Certified Industrial Hygienists, Professionals Engineers, health and safety professionals, and construction experts who provide a superior level of service during the acquisition, disposition, construction and/or management of properties.

• TRC’s team of experts has answers to your concerns, ranging from nuisance odor complaints to HVAC-related contaminants to building-related illness.

For more information, please contact:
Ed Gerds, CIH, CSP, LEED AP at 212.221.7822 or EGerds@trcsolutions.com
Erik Plimpton, PE, CHMM at 860.298.6280 at EPlimpton@trcsolutions.com
Josh Lewis, CIE at 303.323.5644 or JLewis@trcsolutions.com
Sam Covino at 781.933.2555 ext. 101 or SCovino@trcsolutions.com

www.trcsolutions.com