envirotech

Air Emissions Testing Services

Air Emissions – Federal and State rules now require stationary industrial sources to obtain air permits and to install emission control equipment sufficient to meet or maintain regional air quality standards, equipment performance standards, and/or categorical industry emission limits. Emissions testing – which is also known as source testing or stack sampling, is recognized as the most accurate method for determining air emissions and determining source compliance.

Air Emissions Testing Services

- **NSPS Subpart JJJJ**
- **RICE MACT**
- **NESHAP Major Source**
- **NOx & CO Testing**
- **Total VOCs**
- **Formaldehyde**
- **Hazardous Air Pollutant (HAPS)**

Envirotech utilizes Fourier Transform Infrared (FTIR) technology.

FTIR delivers considerable cost advantages when used to measure multiple emission components.

Extractive FTIR testing has been incorporated in numerous Maximum Achievable Control Technology (MACT) standards, and is increasingly being included in facility permits as the mandated testing methodology.

We test a wide range of equipment, including**

- Gas turbines
- Lean Burn Methane powered compressors
- Rich Burn Methane powered compressors

We also offer specialized testing to fulfill all of your air testing needs.

5796 US Highway 64 Farmington, New Mexico 87401 (800) 362-1879

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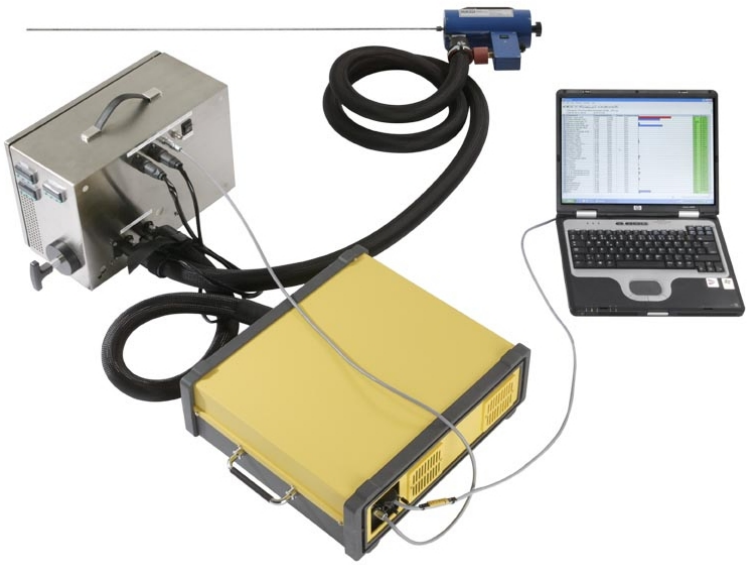
Air Emissions Testing Services

Envirotech utilizes a portable, low resolution FTIR Analyzer that can be set up in a mobile lab or a test location.

Capabilities: We offer extractive Fourier Transform Infrared (FTIR) technology that offers the capability to measure formaldehyde and other trace gas levels in real-time. This capability enhances the ability to rapidly evaluate emissions, make process improvements and benchmark control technologies in real time.



FTIR test methods are unique among EPA methods because they are considered "self-validating" through the use of dynamic matrix spiking calibrations. In this technique, conducted as part of every compliance test, a compound of interest is injected into the back of the sampling probe where it mixes with the sampled gas and is transported to the analyzer. The injection is accomplished using a certified gas cylinder and a calibrated mass flow meter, with the spike injected at a dilution ratio of at least 10:1. This calibration certifies that the compound can be measured in the presence of the source matrix, and can be transported through the sampling system without losses.

Regulatory Acceptance

ASTM Method D6348-03, Standard Test Method for Determination of Gaseous Compounds by Extractive Direct Interface Fourier Transform Infrared (FTIR) Spectroscopy.

For more information, please contact Kyle Kerr at:

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