



## AIR HYGIENE Testing Services Summary

**AIR HYGIENE** is a privately-held professional services firm headquartered in Tulsa, Oklahoma with additional field offices in Las Vegas, Nevada, Fort Worth, Texas; Shreveport, Louisiana; Chicago, Illinois, and Pittsburgh, Pennsylvania. **AIR HYGIENE** specializes in emission testing services for a variety of industries including solid, liquid, & gas fired utility plants, turbines, engines, refineries, printers, glass plants, chemical plants, various manufacturers and related industries.

**AIR HYGIENE** provides turn-key emission testing services with fast-turnaround which include:

1. Pre-test site visit;
2. Consulting on port locations and setup;
3. Preparation of test plan for state agency;
4. Coordination with state agency for testing;
5. On-site emission testing services; and
6. Preparation of draft and final reports.

**AIR HYGIENE** has mobile laboratories that serve all 50

United States and North America. **AIR HYGIENE** has performed over 25,000 emission tests on a variety of sources for 750+ clients.

**AIR HYGIENE** performs air emission certification compliance testing on combustion sources (natural gas, biomass, coal, fuel oil, jet fuel, etc), NSPS sources, ICR MACT testing, and Title V compliance sites. Our experience ranges from emission testing for new PSD facilities, ICR, MACT, and RACT required performance certification testing to Relative Accuracy Test Audits (RATA Tests) for Continuous Emission Monitoring Systems (CEMS) and Parametric Emission Monitoring Systems (PEMS).



**Air Hygiene** corporate headquarters, testing warehouse, and training center are located in Broken Arrow, OK. A newly constructed, 32,000 square foot facility has provided expanded capabilities for our world class Air Hygiene University. AHU has provided training to companies, agencies, and individual engineers interested in emission testing from all over the world. This facility has expanded our testing services capabilities with an upgraded and larger laboratory space. It has a one-of-a-kind indoor stack in a temperature controlled environment with dedicated testing equipment for a full service training center available to both employees and customers to further develop testing

knowledge and skills. Finally, the expanded warehouse to better meet our operational needs, expand our test lab production capabilities, and expand on our reputation of having the very best stack testing labs in the world!

**AIR HYGIENE** performs FTIR testing by EPA Method 320 321, & ASTM D-6348 for Hazardous Air Pollutants (HAPS) including formaldehyde, benzene, xylene, toluene, hexane, ammonia, hydrogen chloride, etc. This methodology provides real-time analysis of these critical pollutants.

**AIR HYGIENE** specializes in the following types of pollutants and EPA Reference Methods (RM):

- Exhaust Flow – RM 2 &/or 19
- Carbon Dioxide (CO<sub>2</sub>) – RM 3a
- Oxygen (O<sub>2</sub>) – RM 3a &/or 20
- Moisture – RM 4
- Particulates (PM) – RM 5(filterable) & 202/OTM-028
- PM < 10 microns (PM<sub>10</sub>) – RM 201a
- PM < 2.5 microns (PM<sub>2.5</sub>) – RM 201b
- PM sizing (elzone analysis)
- Sulfur Dioxide (SO<sub>2</sub>) – RM 6c
- Nitrogen Oxides (NO<sub>x</sub>) – RM 7e &/or 20
- Sulfuric Acid Mist (SO<sub>3</sub>) – RM 8a (control condensate)
- Opacity – RM 9
- Carbon Monoxide (CO) – RM 10
- Hydrogen Sulfide (H<sub>2</sub>S) – RM 11
- Lead – RM 12
- Dioxin & Furans – RM 23
- Total Hydrocarbons (THC) – RM 25a
- Volatile Organic Compounds (VOC) RM 25a & RM 18
- Metals – RM 29
- Chrome – RM 306
- Formaldehyde – RM 320 & ASTM D-6348 (FTIR)
- HAPS – FTIR – RM 320, 321, & ASTM D-6348 (FTIR)
- Ammonia – RM 320, CTM-027, or BAAQMD ST-1B
- [Mercury – RM 30b-Sorbent Tubes \(both with on-site analysis, Ontario-Hydro, and RM](#)