SINCE 1979

Eastern Technical Associates
Project History

- Developed and presented EPA courses on visible emissions enforcement.
- Developed a pilot plan for evaluation of condensation/reaction particulate formation within ductwork and plumes.
- Designed and conducted collaborative tests of human observers viewing plumes at night for the EPA and California.
- Developed a field test to determine the spectral range of in-stack opacity monitors for the EPA's Quality Assurance Branch.
- Provided permitting support to the San Francisco Bay Area Air Quality District and Lone Star Cement regarding mass opacity relationships of fugutive emissions.
- Developed a Quality Assurance Document of opacity measurements for the EPA's Quality Assurance Branch.
- Developed a field opacity form and User's Guide for the EPA Section 3.12 Division of Stationary Source Enforcement.
- Designed and produced a field test kit to check smoke generator transmissometers for photopic response for the EPA's Quality Assurance Branch.
- Developed the long-path open-air transmissometer.
- Developed and patented an in-stack transmissometer.
- Determined the effect of viewing simulated fugitive emissions plumes against terrestrial backgrounds for the EPA.
- Designed and conducted Method 9 alternate method collaborative studies to validate the stopwatch and frequency accumulation methods in use by the EPA and states.
- Reviewed the proposed New Source Performance Standards opacity regulations for the EPA and industry.

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SINCE 1979

Eastern Technical Associates Project History

- Evaluated state visible emissions training programs in EPA Regions III, IV, V, VI, VII, VIII and X.
- Designed and completed layout of a visible emissions inspection form for the EPA.
- Developed quality assurance guidelines for the presentation of visible emissions training programs.
- Developed specification tests for photopic transmissometer response determinations for smoke generators for the EPA.
- Determined the opacity variables in dry process Portland Cement stack plumes in addition to several studies for various cement companies.
- Determined the effect of overcast sky conditions on plume lighting for the EPA.
- Supported the EPA with development and promulgation of Methods 203 A, B, and C.
- Developed and conducted a visible emissions training and certification program for Mexico in conjunction with the Texas Air Pollution Control Board/EPA contract.
- Developed environmental training materials for the Russian Environmental Effort and provided training for administrative, engineering, and technical Russian staff for the EPA.
- Provided a technology transfer session to Chile on Visible Emissions Certification.

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