

PERFORMANCE TESTING OF PARAMETRIC EMISSION MONITORING SYSTEMS FOR LARGE INDUSTRIAL ENGINES

The Environmental Technology Verification Program (ETV), in existence since 1995, is administered by the US Environmental Protection Agency's Office of Research and Development. It is funded in response to the belief that there are many viable environmental technologies available that are underutilized due to the lack of credible third-party performance testing. Southern Research Institute operates one of twelve ETV Centers, the Greenhouse Gas Technology Verification Center (GHG Center) in partnership with the EPA's Air Pollution Prevention and Control Division. The mission of the GHG Center is to provide independent performance verification to vendors and others that need reliable performance information on greenhouse gas control technologies and emission monitoring devices.

The GHG Center is currently verifying technologies that reduce or monitor emissions from oil and natural gas production/distribution facilities. The Center is currently accepting applications from suppliers of PEMS wishing to participate in independent performance tests from large internal combustion engines. Performance tests are planned to evaluate the ability of software-based emission monitoring systems to produce reliable data that is equivalent to data produced by instrumental continuous emission monitoring systems, especially for carbon dioxide, total hydrocarbons, and regulated pollutants (nitrogen oxides, carbon monoxide.) Anyone wishing to participate in these tests should complete and submit a pre-application form available on the Center's web site (<http://www.sri-rtp.com/index.html>), or contact Tony Eggleston at 919/403-0282.