Atmospheric Analysis And Consulting, Inc.

1. Introduction: Atmospheric Analysis and Consulting Inc. (AAC) has extensive experience in monitoring and analysis of toxic air pollutants including organic contaminants, such as: volatile organic compounds (VOCs), naphthalene aromatic compounds, poly aromatic hydrocarbons (PAHs), poly chlorinated biphenyls (PCBs), carbonyl compounds such as aldehydes and ketones, organic and inorganic acids using high performance liquid chromatography (HPLC), ion chromatography (IC), fixed gases using gas chromatography (GC/TCD), and sulfur compounds by GC/Sulfur chemiluminescence detector (ASTM D5504 and EPA method 16). Our clients include: South Coast Air Quality Management District (SCAQMD), Ventura County Air Pollution Control District (VCAPCD), Chevron, USA, EXXON, TEXACO, ARCO, ENSR Consulting and Engineering, CH2M Hill, Earth Tech, CDM, Arizona DEQ and TetraTech EM, Inc. AAC Laboratory is a Small Disadvantaged Business Enterprise and has been certified by NELAC and through the SBA.

2. Air Pollution Measurements and Applications for Cities and Counties. AAC has performed excellent research and analytical/environmental consulting services in the field of atmospheric chemistry and air pollution for the past ten years. AAC staff has comprehensive expertise in ambient air quality, including fine particles and organic pollutants. We have been actively involved in many national and regional air quality monitoring studies for the past ten years namely: Southern California Air Quality Study (SCAQS), Southern California Ozone Safety Study (SCOS-97), and Photochemical Ozone Precursors Monitoring Study in California and Arizona.

   All of AAC's projects pertaining to monitoring of air pollution are directly linked with the compliance programs administered by the EPA, regional air pollution agencies, and county or city councils.

   These compliance programs or emission control requirements are linked to human health and safety issues resulting from various industries and air pollution sources.

3. AAC's Role in Power Generation with Envirotech. Power generation from biomass involves a series of chemical transformation including high temperature pyrolysis. These series of chain reactions produce hydrocarbons of varying molecular weights and odorous sulfur species, which if not collected or controlled correctly will result in serious air pollution concerns. Scientists at Atmospheric Analysis and Consulting, Inc. have several years of experience in this field and will provide all the research and development required toward the successful and pollution free generation of power or hydrogen from biomass.

ACCREDITED IN ACCORDANCE WITH nelac Certificate #E87837

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