

Joe C. Spurgeon

JOE C. SPURGEON, Ph.D., MBA
Certified Industrial Hygienist (1993 – 2012)

EXPERTISE IN WILD FIRE SMOKE AND COMBUSTION PRODUCTS

EDUCATION

Ph.D. (A) Environmental Health, Graduate School of Public Health
(B) Analytical Chemistry, Graduate School of Chemistry
Air Pollution Fellow, University of Pittsburgh, Pittsburgh, PA.; 1972

ADDITIONAL TRAINING

Toxicology:

Inhalation Toxicology (Lovelace Research Institute)
Essentials of Toxicology (NIH/NCI Graduate School)

Exposure Assessments:

Risk Assessment Symposium; AIHA, Nashville, TN., 2000
Risk Assessment Methods: A Tool Box; AIHA, PDC # 442, 1999.
Workplace Exposure Assessment (Workbook) ; PDC # 440, Atlanta, GA., 1998.
Exposure Assessment Strategies and Statistics; AIHA PDC # 702, Houston, TX., 1997.
Intermediate Exposure Assessment Modeling; UNC/AIHA Summer Institute, 1997.
Basic Exposure Assessment Modeling; UNC/AIHA Summer Institute, Norfolk, 1997.

PROFESSIONAL WORK EXPERIENCE

A Comparison of Methods for Assessing Contamination from Wild Fire Smoke;
Bayshore Environmental report

Combustion Toxicology Laboratory, Fire Safety Branch, Senior Research Chemist;
Federal Aviation Administration , Atlantic City, N.J.

Introduction to Fire Science, Adjunct Faculty;
Atlantic College, Mays Landing, N.J.

Residential Initiative on Indoor Air Quality, Environmental Scientist;
US Environmental Protection Agency, Indoor Air Division; Washington, DC.

Division of Health Assessment & Consultation, Environmental Health Scientist;
Centers for Disease Control and Prevention, ATSDR, Atlanta, GA

Class A general contractor, residential builder;
Baywind Associates, Inc., Chesapeake, VA

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PREVIOUS TECHNICAL PUBLICATIONS

Ion Chromatographic Analysis of Thermal Decomposition Products of Aircraft Interior Materials; J. Spurgeon, L. Speitel; Ion Chromatographic Analysis of Environmental Pollutants, Vol. 2, Edited by J. Mulik, E. Sawicki; Ann Arbor Science Publishers, 1979.

A Procedure for Electronically Monitoring Animal Response Parameters in Fire Tests Using the Rotating Wheel; J. Spurgeon, R. Feher; J. Combustion Toxicology, Vol. 6, p. 198, August, 1979.

Laboratory Fire Tests of Cabin Materials Used in Commercial Aircraft; C. Sarkos, J. Spurgeon, E. Nicholas; J. of Aircraft, 16(2), 78, 1979.

The Correlation of Animal Response Data with the Yields of Selected Thermal Decomposition Products for Typical Aircraft Interior Materials; J. Spurgeon; Report FAA-RD-78-131, November, 1978.

Modification of the CAMI Rotating Animal Wheel for Use in Full-Scale Fire Tests; J. Spurgeon, R. Feher; Report FAA-NA-22-LR, April, 1978.

A Preliminary Comparison of Thermal Decomposition Products of Aircraft Interior Materials Using the NBS Smoke Chamber and the Combustion Tube Furnace; J. Spurgeon, L. Speitel, R. Feher; Report FAA-RD-77-123, March, 1978.

Fire Testing of Cabin Materials Used in Commercial Aircraft; C. Sarkos, J. Spurgeon, E. Nicholas; Report FAA-NA-77-53, September, 1977.

Thermal Decomposition Products of Nylon Upholstery Fabric; J. Spurgeon; Report FAA-NA-129-LR, August, 1977.

Oxidative Pyrolysis of Aircraft Interior Materials; J. Spurgeon, L. Speitel, R. Feher; J. Fire & Flammability, Vol. 8, p. 349, July, 1977.

Thermal Decomposition Products of Aircraft Interior Materials; J. Spurgeon, L. Speitel, R. Feher; Report FAA-RD-77-20, April, 1977.

A Procedure for Determining Hydrogen Fluoride Concentrations as a Function of Time in a Combustion Atmosphere; J. Spurgeon, R. Feher; Report FAA-NA-121, April, 1976.

A Preliminary Comparison of Laboratory Methods for Assigning a Relative Toxicity Ranking to Aircraft Interior Materials; J. Spurgeon; Report FAA-RD-75-37, October, 1975.

Comparison of the Combustion Tube Furnace and the NBS Smoke Chamber for Generating Combustion Products Containing Acid Gases; J. Spurgeon; FAA Interim Report, September, 1974.