



**DAVID L. MITCHELL, PHD  
MET ASSOCIATES**

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***FORENSIC AND AIR QUALITY METEOROLOGY  
WEATHER EVENTS RECONSTRUCTION  
TOXIC TORT CASES***

**Areas of  
Expertise:**

- Air Dispersion Modeling
- Air Pollution & Contaminants
- Air Quality Monitoring
- Atmospheric Data
- Atmospheric Dynamics
- Atmospheric Fluid Dynamics
- Aviation Meteorology
- Climatology
- Doplar Radar
- Flood Studies
- Geophysical Atmospheric Data
- Hazardous Plume Releases
- Lightning
- Meteorology
- Storm Analysis
- Vapor Cloud Studies
- Visibility Studies
- Wave Propagation
- Weather Forecasting
- Wind Studies

**Education:**

**PhD**, Atmospheric Science and Meteorology, Purdue University, '76  
**MS**, Physics, Purdue University, '74  
**BS**, Physics & Mathematics (Dean's Distinguished List), Baylor University, '72

**Certifications &  
Honors:**

Certified Professional Geoscientist  
Associate of the Scientific Research Society of North America  
*Sigma Pi Sigma*, National Physics Honor Society  
Distinguished Expert, National Forensic Center

**Professional  
Experience:**

Dr. Mitchell has over 35 years technical modeling experience in industry and consulting. His business experience includes various research and technical consulting positions with Conoco, Getty Oil Company, Texaco, Tenneco, British Petroleum and IBM Corporation.

**Legal  
Experience:**

Dr. Mitchell has provided consultation, technical support, deposition and expert trial testimony on issues of scientific data and mathematical modeling for the petroleum, legal and insurance industries.

**Dissertation:**

A Theoretical Investigation of Atmospheric Convective Modes as a Function of Rayleigh Number, Prandtl Number and Eddy Anisotropy; 1977, Meteor. Soc. Japan, Vol. 55, No.4, 341-363

**Associations:**

Air and Waste Management Association  
American Meteorological Society  
National Association of Environmental Professionals  
American Bar Association (Associate Member, Litigation Division)