

EDUCATION

- M.B.A., Golden Gate University, 1972
- M.S., Meteorology, New York University, 1968
- B.S., Meteorology, New York University, 1967

PROFESSIONAL REGISTRATION/CERTIFICATIONS

- Certified Consulting Meteorologist, American Meteorological Society, 1975, #152
- Qualified Environmental Professional, Institute of Professional Environmental Practice, 1996, #07960163

OVERVIEW OF EXPERIENCE

1982-Present TRC Environmental Corporation
21 Griffin Road North
Windsor, CT 06095

1982-1984 Manager, Energy and Environment Division

1984-1986 Manager, Air Quality Division

1986-1995 Vice President and Technical Director

1995-Present Senior Vice President and Technical Director/Air Quality
Consulting Practice Leader

1976-1982 Environmental Research and Technology

1976-1980 Principal Meteorologist - Lexington, MA

1980-1982 Manager, Air Quality Division - Houston, TX

Technical responses to the Federal Prevention of Significant Deterioration Program and assisting clients in obtaining permits under the program

1972-1976 Intera Environmental Consultants
Houston, TX
Senior Meteorologist

Responsible for the development and application of air quality diffusion models for the solution of dispersion programs primarily in complex terrain. Also performed meteorological data acquisition studies primarily in mountainous terrain

1968-1972 U.S. Air Force, Environmental Health Laboratory
McClellan AFB, Sacramento, CA

1968-1969 Second Lt-Laboratory Meteorologist

1969-1970 First Lt

1970-1972 Captain

Earned Air Force Commendation Medal for services including air quality dispersion modeling, tracer studies, emission testing and ambient air quality sampling

Summers of 1964, 1965, 1966 and 1967

Student employee of the New York Urban Air Pollution Dynamics Program;
Provided pilot balloon observations, meteorological data collection and analysis
and the first SO₂ emissions inventory for New York City

Masters of Science Degree program was sponsored by a Grant from the National
Air Pollution Control Administration (later the air component of the U.S. EPA).
This program consisted of 13 courses in air pollution control and analysis.

PROFESSIONAL AFFILIATIONS

- Air & Waste Management Association:

President	1988-1989
First Vice President	1987-1988
Board Member	1979-1982, 1985-1990
Section Council Chair	1975-1978
Southwest Section Chair	1974-1976
Connecticut Chapter Chair	1991-1993
Committee on Meteorology	1969-Present
Fellow Member	1993
Honorary Member	2004
Charles W. Gruber Award	2006

- American Meteorological Society, Chair, Board on Industrial Meteorology 1978-1981, Board for Certified Consulting Meteorologists 2015-2019, Fellow 2013, Henry T Harrison Award 2014

- International Society of Exposure Science

- American Petroleum Institute, Chair, Air Program of the Committee on Refinery Environmental Control 1986-1999

- Synthetic Organic Chemical Manufacturers Association, Vice-Chair, Air Subcommittee of the Environmental Quality Council - 1988-1995

- American Institute of Chemical Engineers

- National Council of Industrial Meteorologists
President, 2011-2012

- Connecticut Academy of Science and Engineering

Chair, Board on Environment	1995 - 2004
Council Member	2000 - Present
Secretary	2004 - 2008
Vice President/President Elect	2008 – 2010
President	2010-2012

PUBLICATIONS AND PRESENTATIONS

Hoffnagle, G.F., (2013) "Methods for Single Source Ozone and PM2.5 Analysis", A&WMA Specialty Conference: Guideline on Air Quality Models: The Path Forward, March 19-21, 1013, Raleigh, NC.

Hoffnagle, G.F., Catizone, P.A., and Reed, J.F., (2008) "Comparison of CALMET/CALPUFF Model Results to Existing ISC2 and CTDMPPLUS Model Results in a Valley Location", Paper No. 323, A&WMA 101st Annual Meeting, Portland, Oregon, June

Hoffnagle, G.F., Susca, M., and Ritter, G.L. (2004), "Indoor Air Quality Measurements during Completion of the RCRA 725 Human Exposures Analysis", Paper No. 552, A&WMA Annual Meeting, Indianapolis, Indiana, June

Hoffnagle, G.F. (2004) "What is the Definition of complex Winds", Paper 375, A&WMA Annual Meeting, Indianapolis, Indiana, June

Hoffnagle, G.F., (2003), "The Winds of Change Are Blowing", Air & Waste Management Association's Magazine for Environmental Managers, January

Hoffnagle, G.F. and Zapert, J.R. (2001), "Short-range Applications of CALPUFF", A&WMA Specialty Conference, Guideline on Air Quality Models: A New Beginning, Newport, Rhode Island, April

Hoffnagle, G.F. and Zell, S.E. (2000), "Offsite Consequence Model vs. Real World Release Data", Paper No. 372, A&WMA Annual Meeting, Salt Lake City, Utah, June

Hoffnagle, G.F., Catizone, P.A. and Zell, S.E. (2000), "Modeling of Advanced Mitigation Techniques", Paper No. 367, A&WMA Annual Meeting, Salt Lake City, Utah

Hoffnagle, G.F. and Zell, S.E. (1998), "Risk Management Plan Modeling for Ammonia Retailing", AIChE Symposium: Ammonia Plant Safety, Charleston, South Carolina

Hoffnagle, G.F. and Cooper, J.A. (1998), "Soot Deposition Study: Logan Airport", A&WMA Annual Meeting Paper 98-RA9101, San Diego, California, June

Catizone, P.A., Hoffnagle, G.F., Szabo, D., Murray, D.R., Coble, T.D. and Marcus, R. (1996), "CTDMPLUS/ISC2 Model Application at a Major Smelting Facility - Analysis and Results," Paper No. 96-WA63.05, AWMA 89th Annual Meeting, Nashville, Tennessee, July 23-28

Murray, D.R., Catizone, P.A. and Hoffnagle, G.F. (1994), "Evaluation of Remtech PA-2 Phased Array Sodar Performance in Complex Terrain Using In-site Turbulence

Instruments” 8th Joint Conference on the Applications of Air Pollution Meteorology,
Nashville, Tennessee

Catizone, P.A., Hoffnagle, G.F., Murray, D.R. and Mikkelson, R. (1993), “Air Quality
Modeling and Its Role in the Risk Assessment at Valdez, Alaska,” Paper A507, A&WMA
Annual Meeting, Denver, Colorado, June

Hoffnagle, G.F. (1993), “Complex Terrain Modeling: An Update,” TAPPI Environmental
Conference, Boston, Massachusetts, May

EXPERT TESTIMONY AND DEPOSITIONS IN THE LAST FOUR YEARS

1. Beck et al. vs. Koppers, Inc. et al
U.S. District Court for Grenada, Mississippi
Civil Action No. 3:03CV60-P-D
Deposition, July 6, 2005
Deposition, August 25, 2009

2. Michelle Marshall, et al. vs. Air Liquide-Big Three, Inc, et al.
Civil District Court for the Parish of New Orleans, Division: J 13
Civil Action No. 2005-8706
Trial Testimony, September 19, 2007
Trial Testimony, September 7-8, 2010

3. BP Amoco Chemical Corporation v. Flint Hills Resources, LLC
Northern District of Illinois, Eastern Division No. 05C5661
Deposition, December 22-23, 2008
Testimony, October 27, 2009

4. Christopher Mann, et al v. CSX Transportation, Inc.
Northern district of Ohio, Eastern Division Case No. 01:07-CV-3512
Deposition June 23, 2009

5. USA v. Norfolk Southern Railway Company
Federal District Court for South Carolina, Aiken Division, Civil Action No.
1:08-CV-01707-MBS
Deposition, August 7 and 18, 2009

6. Dale Morris and Mary Morris v. CF Industries, Inc.
State of Indiana, County of Posey, Posey Superior/Circuit Court
Cause No. 65-C01-0711-CC321
Deposition, December 15, 2009

7. Kieta Alexander et al. v. Norfolk Southern Corporation, et al.
Civil District Court, Parish of New Orleans, State of Louisiana
No. 02-14666
Hearing Testimony: February 22, 2010
Trial testimony: January 27, 2016
8. Wanda Washington, et al. v Lockheed Martin Corporation et al.
Twelfth Judicial Circuit, Manatee County, Florida
Civil Action no. 2007-CA 4765
Hearing Testimony: May 14, 2010
9. Fall-Line alliance , et al v Georgia DNR and Power4Georgians
Georgia Office of Administrative Hearings
Docket No. OSAH-BNR-AQ-1031707-98-Walker
Hearing Testimony: September 22, 2010
10. Wanda Basel, et al v. Weyerhaeuser Company
US District Court for Western Arkansas
Civil Action No. 07-4037
Trial Testimony: September 28, 2010
11. Matthew W. Heilig et al. v. Flour Corporation
Missouri 22nd Judicial Court
Cause No. 22052-09866
Deposition: March 31, 2011
12. Katie Lowery et al v. Honeywell International Inc. et al.
Circuit Court of Jefferson County, Alabama
Cause # 01-CV-2005-001749.00
Deposition: May 24, 2012
13. Charles Burnia et al. v Flour Corporation
Missouri 22nd Judicial Circuit Court
Cause no. 052-09605
Deposition: May 31, 2013
Deposition: July 19, 2013
14. U. S. v Albemarle Corporation
US District Court of South Carolina, Orangeburg Division
Civil No. 5:11-cv-00991-JMC
Deposition: January 21, 2014

15. Big River Steel Permit No. 2305-AOP-R0
Arkansas Pollution Control and Ecology Commission
Docket No. 13-006-P
Deposition: February 14, 2014
Hearing Testimony: February 21, 2014
16. Shanley, et al. v. Chalmette Refining, LLC
Eastern District of Louisiana
Civil Action 12-3045
Deposition: August 1, 2014
17. Megan White vs. Flour Corporation et al.
Missouri 22nd Judicial Circuit Court
Cause no. 052-09366
Deposition: August 13, 2014
18. Tonga Nolan, et al. vs ExxonMobil Corporation, et al.
US District Court for Middle of Louisiana
Case No. 3:13-cv-00439
Deposition: December 16, 2014
Class Hearing Testimony: February 5, 2015