

Attachment 17

Hazardous Substance & Waste Management Research, Inc.

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3 June 2021

Mr. Tony Hobson
Vice President of Manufacturing
New-Indy Catawba LLC
P.O. Box 7
5300 Cureton Ferry Road
Catawba, South Carolina 29704

Dear Mr. Hobson,

I have reviewed the materials provided regarding the property boundary air sampling that recently was conducted at the New-Indy facility in Catawba, SC, including the EPA Region 4 Order dated 13 May 2021, as well as a number of toxicologically relevant references concerning hydrogen sulfide (H₂S).

Paragraph 52(b) of the EPA Order reads:

"Respondent must immediately begin taking steps to minimize air emissions of hydrogen sulfide to not exceed a facility fence-line average concentration of 600 ppb over a rolling 30-minute period and 70 ppb over a rolling seven (7) day period (on a daily calendar basis) as established through continuous monitoring."

For those cited values, USEPA does not identify one or more published H₂S standards, but rather provides later, in paragraphs 35 and 36 of the Order, a discussion regarding the basis for the short-term (30-minute) target concentration of 600 parts per billion (ppb) as defined by the Acute Exposure Guideline Level (AEG1) developed by the National Research Council. The Order notes that the AEG1 concentration for H₂S is based on effects that "are transient and reversible after exposures cease." However, no basis is provided in the Order regarding derivation of the rolling seven (7) day 70 ppb target concentration that is cited. It is possible that USEPA is working from the Agency for Toxic Substances and Disease Registry (ATSDR) fourteen-day Minimal Risk Level (MRL), but that is unstated and uncertain. In any event, USEPA website (https://comptox.epa.gov/dashboard/chemical_lists/ATSDRMRLS/) states that: "It is important to note that MRLs are not intended to define clean up or action levels for ATSDR or other Agencies." Data collection at the New-Indy property boundary is in its initial stages and is understandably variable initially. Therefore, it is recommended that a more substantial database be developed prior to making site-specific decisions, including reviewing comparisons with a 14 day rolling average as recommended by ATSDR.

Further, a property boundary guidance value in the range of 100 ppb (i.e., the AIHA ERPG-1) to 140 ppb (i.e., 2 times the 70 ppb ATSDR MRL adjusted for 7 days vs 14 days) for H₂S represents a more reasonable target concentration to assess intermediate term circumstances (e.g., 7-day rolling average as opposed to a 14-day rolling average). The American Industrial Hygiene Association ERPG-1 is defined as the concentration to which "nearly all individuals could be exposed for up to 1 hour without experiencing other than mild transient adverse health effects or perceiving a clearly defined, objectionable odor" (emphasis added). The acute (<14 day) MRL was developed by identifying a Lowest Observed Adverse Effect Level (LOAEL) of 2,000 ppb in a controlled human exposure study in which nominal effects were observed in half or less of the sensitive (asthmatic) test subjects, divided by an uncertainty factor of 27 (3 or LOAEL, 3 for human variability, and 3 for database deficiencies), yielding a value of 74 ppb (2,000/27) that subsequently was rounded down to 70 ppb. The MRL was established to apply to exposure durations up to 14 days. Further, the MRL is defined by ATSDR as "An estimate of daily human exposure to a hazardous substance that is likely to be without an appreciable risk of adverse noncancer health effects over a specified route and duration of exposure" (emphasis added). Taken in sum, the ERPG-1 and MRL information, coupled with the robust uncertainty factor of 27 employed in the ATSDR analysis, and the fact that another human study reported by ATSDR did not report effects at 10,000 ppb, supports nominal adjustment of the MRL to establish a protective site-specific 7 day rolling average H₂S concentration in the range of 100 to 140 ppb. Once a more robust database is available, it would be appropriate to use the 140 ppb adjusted MRL value for decisions regarding property line H₂S concentration profiles.

Perturbations or temporal variability in datasets for longer term air sampling programs is common during active plant operation processes, and the significance of individual values within the 7 day rolling period can best be viewed by comparing the frequency and magnitude of those values to shorter term health-protective criteria, particularly when a rolling average is comprised of many individual values. In the case of H₂S, a property boundary concentration in the 600 to 750 ppb range represents a reasonable target against which to assess short term, acute circumstances (e.g., rolling 30 minute average; equivalent to the range of the 10 to 30 minute National Research Council AEGL-1). That AEGL-1 is defined as "the airborne concentration (expressed as parts per million [ppm] or milligrams per cubic meter [mg/m³]) of a substance above which it is predicted that the general population, including susceptible individuals, could experience notable discomfort, irritation, or certain asymptomatic, nonsensory effects. However, the effects are not disabling and are transient and reversible upon cessation of exposure" (emphasis added). Thus, while the 600 to 750 ppb range is a reasonable target concentration for the 30 minute rolling average, it also serves to demonstrate that an occasional excursion above the 100 to 140 ppb target concentration for the 7 day rolling average does not represent a serious health concern.

Finally, occupational exposures to H₂S are guided by two principal criteria. The American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV) of 1,000 ppb is established for typical daily working conditions over a 40

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hour workweek. The U.S. Occupational Safety and Health Administration (OSHA) Ceiling concentration is set at 20,000 ppb. Both of those values, while they may be accompanied by odors in some instances, support a conclusion that the target property boundary concentrations are reasonable and health-protective criteria against which to judge data collected for site decision-making purposes.

Please let me know what additional questions may be posed during your subsequent discussions.

Sincerely,

A handwritten signature in blue ink that reads "Christopher M. Teaf". The signature is written in a cursive style with a large initial 'C'.

Christopher M. Teaf, Ph.D.
President & Director of Toxicology

/cmt

CURRICULUM VITAE

NAME: Christopher M. Teaf

DATE OF BIRTH: 5 May 1953

PLACE OF BIRTH: Philadelphia, PA

HOME ADDRESS: 499 Frank Shaw Road
Tallahassee, FL 32312
(850) 933-0963 (*mobile*)

PROFESSIONAL POSITIONS: President & Director of Toxicology
Hazardous Substance & Waste Management Research, Inc.
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Director Emeritus
Center for Biomedical & Toxicological Research and Waste Management
Florida State University
2035 East Paul Dirac Drive, Suite 226 HMB
Tallahassee, FL 32310
cteaf@fsu.edu email

EDUCATION: Ph.D. Toxicology 1985
College of Medicine
University of Arkansas for Medical Sciences

M.S. Biological Science 1980
Florida State University

B.S. Biology 1975 (*with Honors*)
Pennsylvania State University

PROFESSIONAL MEMBERSHIPS: Academy of Toxicological Sciences
Society of Toxicology
Society for Environmental Toxicology and Chemistry
Society for Risk Analysis
Florida Bar, Environmental and Land Use Law Section
International Society for Technical & Environmental Professionals
National Association of Environmental Professionals
National Association of Underwater Instructors

CERTIFICATIONS: Board Certified Fellow, Academy of Toxicological Sciences (ATS)
Radon Measurement Specialist (*Florida DOH R1032*)

ACTIVITIES & HONORS:

Adjunct Research Scholar, Institute for Science & Public Affairs, Florida State University, Tallahassee, FL, 2020 to present.

Interstate Technology and Regulatory Council (ITRC), 1,4-Dioxane Technical Team. 2019 to present.

Per- and Polyfluoralkyl Substances Forum Steering Committee, 2019 to present.

Co-Editor-in-Chief, *Soil & Sediment Contamination*, Taylor & Francis. 2015 to present.

Associate Editor, *Human & Ecological Risk Assessment*, published by Taylor & Francis. 2000 to present (*Senior Human Health Editor, 2004 to 2015*).

Editorial Board, int'l journal *Environmental Forensics*, Taylor & Francis Publishers, 2006 to present.

Science Advisory Board, 15th to 36th Int'l Conference on Contaminated Soils, Sediments & Water. Amherst, MA. 1999 to present. (*also served on Risk Assessment Subcommittee, chaired Student Presentation Committee, and chaired symposium technical sessions on Risk Assessment, Remediation, Site Investigation.*)

Peer Reviewer: Chemico-Biological Interactions (2018 to present); Environmental Research (2019-present); Regulatory Toxicology & Pharmacology (2018 to present); Human & Ecological Risk Assessment (1999-present); Food & Chemical Toxicology (2019 to present); Nonlinearity in Biology, Toxicology and Medicine (2005-present); Ohio Journal of Science (1988-1992); Bulletin of Marine Science (1994-1998); Environmental Toxicology & Chemistry (1997-present); Environmental Biology of Fishes (1987-1990); Soil & Sediment Contamination (2002-present); Environmental Forensics (2006-present); Mechanisms of Aging and Development (2021-present).

Symposium Steering Committee, International Symposium & Exhibition on the Redevelopment of Manufactured Gas Plant Sites. 2018 to present.

Board Certified Fellow, Academy of Toxicological Sciences. 2009 to present.

Radon Measurement Specialist (*FL HRS Certification R1032*), 1989 to present.

Board of Directors, Dog Island Conservation District. 2002 to present (*Board Member, 2002 to present; Chair, 2004 to 2015; Treasurer 2015 to present*).

Board Member, Coastal Conservation Association (CCA), Big Bend Chapter. 2014 to 2017.

District 2 Local Emergency Planning Committee, Florida Emergency Response Commission, 1987 to present (*Vice Chair, 1991*).

Co-Editor, Joint Proceedings of the 26th West Coast and 32nd East Coast Annual International Conferences on Soil, Sediments, Water & Energy. Association for Environmental Health & Sciences (AEHS). March, 2016 (San Diego, CA) and October 2016 (Amherst, MA).

Co-Editor, Joint Proceedings of the 25th West Coast and 31st East Coast Annual International Conferences on Soil, Sediments, Water & Energy. Association for Environmental Health & Sciences (AEHS). March, 2015 (San Diego, CA) and October 2015 (Amherst, MA).

Human Health Peer Review Committee. FL Department of Environmental Protection. 2012 to 2016.

Co-Editor, Proceedings of the 30th Annual International Conference on Soil, Sediments, Water & Energy. Association for Environmental Health & Sciences (AEHS). October 2014. Amherst, MA.

Co-Editor, Proceedings of the 30th Annual International West Coast Conference on Soil, Water, Energy & Air. March 2014. San Diego, CA.

Peer Reviewer, Doctoral Dissertation Committee, Office of the Dean, University of British Columbia, Vancouver, BC. 2014. (*Dr. Maryam Khoshnoodi*).

Co-Editor, Proceedings of the 29th Annual International Conference on Soil, Sediments, Water & Energy. Association for Environmental Health & Sciences (AEHS). October 2013. Amherst, MA.

Co-Editor, Proceedings of the 23rd Annual International West Coast Conference on Soil, Water, Energy & Air. March 2013. San Diego, CA.

Co-Chair, Human Health Session, Fourth Annual International Symposium & Exhibition on the Redevelopment of Manufactured Gas Plant Sites (MGP 2012). Chicago IL. March 28-30, 2012.

Co-Editor, Proceedings of the 28th International Conference on Contaminated Soils, Sediments & Water, October 2012. Amherst, MA.

Senior Fellow, Environmental Health & Safety. Center for Risk Communication. New York, NY and Stevens Point, MD. 2011 to present.

Co-Editor, Proceedings of the 27th International Conference on Contaminated Soils, Sediments & Water, October 2011. Amherst, MA.

Certificate of Appreciation. Cascades Park Former MGP Site. U.S. EPA Region 4. Atlanta, GA. 2008.

Advisory Board, Center for Strategic Health Preparedness, Florida State University College of Medicine. 2001 to present. (*formerly Center for Terrorism & Public Health*)

Editorial Board, international journal *Soil & Sediment Contamination*, CRC Press, LLC. 2002 to 2006.

Courtesy Professor, Department of Geology, Florida State University. 1999 to present.

Science Advisory Board, 18th International Conference on Contaminated Soils, Sediments & Water. 2002. Amherst, MA.

Co-Director, NATO Advanced Research Workshop on Risk Assessment and Water Issues in Central Asia. 2000 to 2003. Almaty, Kazakhstan. 2000 to 2003.

Advisory Bd., Int'l Congress on Petroleum Contaminated Soils, Sediment & Water. London. 2000-2001.

Assistant Scoutmaster (*Troop 44, Boy Scouts of America*). Tallahassee, FL. 1998 to 2004.

Editorial Board, *Environmental Toxicology & Chemistry*, published by CRC Press, LLC. 2003-2005.

Petroleum Underground Storage Tanks Technical Committee, Florida DEP. 1996 - 2015.

Advisory Board, 15th Int'l Conf. on Contaminated Soils, Sediments & Water. Amherst, MA. 1998-1999.

Toxic Substances Advisory Council, Florida Department of Labor. 1990-2000 (*Chair, 1991-1996*).

Florida Bar, Environmental and Land Use Law Section Faculty and Steering Committee, 1996 - 1997.

Safety Committee, Florida Department of Environmental Protection, 1995 – 1997 (*advisor 1995-2020*).

Florida Bar, Environmental and Land Use Law Section Faculty and Steering Committee, 1993 - 1994.

Technical Committee, MGP '95 – International Symposium on Cleanup of Manufactured Gas Plant (MGP) Sites. Prague, Czech Republic, 1994-1995.

Florida Comparison of Environmental Risks Project, 1994-1995 (*Human Health Co-chair*).

Landfill Technical Advisory Group, Florida Department of Environmental Protection, 1993-1994.

Benlate Health Effects Committee, Pesticide Review Council, Florida Dept of Agriculture, 1993-1995.

Technical Advisory Committees for Budapest '92, Budapest '94, Warsaw '96, Warsaw '98, Prague 2000, Prague, 2003; Int'l Symposia on Environmental Contamination in Central & Eastern Europe. 1991-2004.

Financial & Tech. Advisory Committee, Florida Department of Environmental Protection. 1986-1992.

Director, Tallahassee Marathon / Half Marathon, 1989, 1990, 1991, 1992, 1995.

Outstanding Research Award, University of Arkansas Medical School, 1984.

Who's Who Among American College Students, 1983.

Graduation With Honors, Pennsylvania State University, 1975.

National Merit Scholar Program, 1971.

Eagle Scout, 1969 (*Troop 1, Boy Scouts of America; Paoli, PA; Assistant Scoutmaster 1971 to 1975*)

SUMMARY OF ACTIVITIES

Dr. Teaf received a BS (Biology) from Penn State with Honors, an MS (Biological Science) from Florida State (FSU), and a Ph.D. (Toxicology) from the University of Arkansas for Medical Sciences. He conducted his research at the National Center for Toxicological Research. His experience includes positions of Director (and Associate Director) of the FSU Center for Biomedical & Toxicological Research (1983-present), and Director of Toxicology for HSWMR, Inc. since 1985 (President since 1989). From 1980 to 1982 he served as Research Staff for the Florida Governor's Hazardous Waste Policy Advisory Council. Dr. Teaf is Board Certified as a Fellow by the Academy of Toxicological Sciences and certified as a Radon Measurement Specialist by the Florida Department of Health.

Research and professional activities include: toxicology and risk assessment for exposure to occupational or environmental agents (e.g., radionuclides, PFAs, PCBs, 1,4-dioxane, solvents, petroleum, PAHs, metals (e.g., arsenic, mercury, lead, silica, pesticides, particulates, microbiota), drugs and alcohol; male reproductive toxicity, aquatic toxicology, waste management, and Prop 65. He has been peer reviewer for many technical journals (e.g., *Journal of Radiation and Cancer Research; Risk Analysis; Soil & Sediment Contamination; Environmental Forensics; Nonlinearity in Biology, Toxicology & Medicine; Environmental Toxicology & Chemistry; Regulatory Toxicology and Pharmacology; Food & Chemical Toxicology, Integrated Environmental Assessment & Mgmt; Chemico-Biological Interactions; Bulletin of Marine Science; European Journal of Public Health; Chemosphere; Environmental Biology of Fishes*), research submitted to ATSDR, and books. He is Co-Editor-in-Chief for *Soil & Sediment Contamination*, Associate Editor for *Human & Ecological Risk Assessment*, and on the *Environmental Forensics* Editorial Board.

Chris has directed or conducted research for the U.S. Environmental Protection Agency (USEPA), U.S. Department of Agriculture (USDA), and Florida agencies: Department of Labor, Department of Environmental Protection (FDEP), Department of Health (FDH), and Department of Community Affairs. He served as toxicologist to the Governor's Financial & Technical Advisory Committee, and

for the state Landfill Technical Advisory Group. He served as toxicologist for the state Petroleum Underground Storage Tanks Technical Advisory Committee. He was Co-chair of the Human Health Committee, Florida Comparison of Environmental Risks Project, a cooperative study funded by USEPA, FDEP and other agencies. He served as Chair of the Toxic Substances Advisory Council for the Florida Department of Labor, implementing the state Right-to-Know Law. Dr. Teaf is toxicologist for and served as Vice-Chair of the District 2 Local Emergency Planning Committee (State Emergency Response Commission). From 1986-1989, he was liaison for the State University System of Florida Toxicological Research Coordinating Committee and FDEP. He has been actively involved in the U.S. and abroad on chemical terrorism. Since 1998, Chris has been active in the statewide Contaminated Soils Forum, interacting with FDEP on soil contamination issues. He has served on graduate committees at Florida A&M University, Georgia Tech, and University of British Columbia. He is an active member of the Interstate Technology & Regulatory Council (ITRC) 1,4-Dioxane Technical Team.

Chris has taught graduate and undergraduate courses at FSU, Florida A&M, University of Florida, and Georgia Tech. He has organized and participated in seminars and training courses for groups including the World Health Organization (WHO), USEPA, NASA, USDA, ATSDR, FDOH, Florida Engineering Society, Florida Bar Association, FDEP, Florida Department of Education, Florida Chamber of Commerce, National Conference on Waste Exchange & Resource Reuse, National Hazardous Materials Training Center, and American Bar Association. He has served on Advisory Committees for MGP '95 (International Symposium on Cleanup of Manufactured Gas Plants; Prague), and for 6 International Symposia on Environmental Contamination in Central & Eastern Europe (Budapest, Warsaw, Prague). Chris has been involved in several extensive risk-based initiatives under the auspices of the World health organization (WHO) and the North Atlantic Treaty Organization (NATO) in Central & Eastern Europe (*Poland, Hungary, Bulgaria*) and in Central Asia (*Kazakhstan*)

Dr. Teaf has provided technical services on toxicology, environmental and health risk assessment, waste management, recycling, water quality, consumer product safety and occupational health/safety, particularly regarding the OSHA Hazard Communication Standard, Florida Right-to-Know Law and federal requirements under RCRA, CERCLA, TSCA or related state regulations, including CERCLA cost allocations. He has provided service to U.S. Attorney, and Florida State Attorney, as well as Attorneys General of Florida, Washington, Oklahoma. Dr. Teaf has testified on environmental toxicology, alcohol/drugs, occupational exposure, health effects, mold, consumer products, and risk assessment to regulatory, administrative, legislative or judicial bodies (*federal and state venues*).

SUMMARY OF PROFESSIONAL POSITIONS:

Director of Toxicology
Hazardous Substance & Waste Management Research, Inc. (HSWMR)
Tallahassee, FL
1985 to present (President, 1989 to present)

Director Emeritus
Center for Biomedical & Toxicological Research and Waste Management
Florida State University (Tallahassee, FL)
2020 to present

Adjunct Research Scholar
Institute for Science & Public Affairs
Florida State University (Tallahassee, FL)
2020 to present

Director
Center for Biomedical & Toxicological Research and Waste Management
Florida State University (Tallahassee, FL)
2016 to 2020

Associate Director
Center for Biomedical & Toxicological Research and Waste Management
Florida State University (Tallahassee, FL)
1983 to 2016

Advisory Committee
Professional Masters Program Development
Florida State University Department of Oceanography
2010 to present

Advisory Board
Center for Strategic Public Health Preparedness (*formerly Center for Terrorism & Public Health*)
Florida State University College of Medicine
2001 to present

Adjunct Faculty
College of Pharmacy & Pharmaceutical Sciences
Florida A & M University (Tallahassee, FL)
1998 to present

Board Member
Dog Island Conservation District
Franklin County, Florida
2002 to present (Chair, 2004 to 2015; Treasurer, 2015 to present)

Board of Directors
Southern Waste Information Exchange (Tallahassee, FL)
2000 to present (Chair, 2000 to 2004)

Toxicologist
Human Health Peer Review Committee
Florida Department of Environmental Protection (Tallahassee, FL)
2012 to 2016

Associate in Medicine
Program in Medical Sciences / FSU Medical School
Florida State University (Tallahassee, FL)
1995 to 2002

Toxicologist
Toxic Substances Advisory Council
Florida Department of Labor & Employment Security (Tallahassee, FL)
1990 - 1998 (Chairman, 1992 to 1998)

Toxicologist
Petroleum Underground Storage Tanks Advisory Committee
Florida Department of Environmental Protection (Tallahassee, FL)
1996 to present

Toxicologist
District 2 Local Emergency Planning Committee
Florida Department of Community Affairs (Tallahassee, FL)
1987 to present (Vice Chairman, 1991)

Toxicologist

Florida Landfill Technical Advisory Group
Florida Department of Environmental Protection (Tallahassee, FL)
1993 - 1994

Adjunct Faculty
Interdisciplinary Toxicology Program
University of Arkansas for Medical Sciences (Little Rock, AR)
1986 - 1989

Toxicologist
Governor's Financial and Technical Advisory Committee
Florida Department of Environmental Regulation (Tallahassee, FL)
1986 - 1992

Research Assistant
National Center for Toxicological Research and the University
of Arkansas for Medical Sciences (Little Rock, AR)
1983 - 1985

Associate Director
Southern Waste Information Exchange (Tallahassee, FL)
1981 - 1983

Research Staff
Florida Governor's Hazardous Waste Policy Advisory Council
1980 - 1982

Research Associate, Hazardous Waste Management Program
Florida State University (Tallahassee, FL)
1979 - 1983

Teaching/Research Assistant
Departments of Biological Science and Oceanography
Florida State University (Tallahassee, FL)
1976 - 1980

Animal Colony Technician
Wyeth Laboratories (Philadelphia, PA)
1975 - 1976

TEACHING EXPERIENCE:

Air Quality (*Indoor/Outdoor*)
Alcohol, Smoking, Medicinal & Recreational Drugs: Toxicology and Exposure
Aquatic Toxicology
Carcinogenesis, Carcinogens and Cancer
Comparative Vertebrate Morphology
Dermal Toxicology
Emergency Response and Contingency Planning
Environmental Hazards, Environmental Chemistry & Behavior of Chemicals
Exposure Assessment

General Zoology
Hazardous Waste Management
Health and Safety for Site Investigation and Response Personnel (40 Hr and 8 Hr)
Ichthyology
Inhalation Toxicology
Industrial and Occupational Toxicology
Industrial Health & Safety
Landfills: Chemistry, Potential Health Risk, Environmental Management & Remediation
Metals Toxicology (e.g., arsenic, lead, mercury, nickel, vanadium, cadmium, chromium)
Mutagenesis
Nephrotoxicity
Airborne Particulates, Fibers, Mold
Right-to-Know and Hazard Communication Laws (OSHA and state)
Pesticide Toxicology
Toxicology and Environmental Behavior of Polyfluoroalkyl Substances (PFAs)
Principles of Toxicology and Risk Assessment
Radionuclides and Radiation Toxicology
Reproductive Toxicology
Research Diving Techniques
Seafood Safety: Health Effects from Contaminated Products
Toxicology of Solvents and Other Organic Hydrocarbons (e.g., PCBs, PFAs, PAHs)
Toxicological Risk Assessment
Toxicology and Management of Mixed Wastes (Chemical/Radiological)
Toxicology for Physicians, Nurses, and Other Public Health Personnel
Vapor Intrusion: Evaluation and Health Significance

Single day events to full semester graduate/undergraduate courses at University of Florida, University of North Florida, Florida A & M University, University of Arkansas, Georgia Tech, Tallahassee Community College, Florida State University (Biology, Chemistry, Engineering, Geology, Oceanography, Urban & Regional Planning Depts.)

PUBLICATIONS AND SELECTED ABSTRACTS:

Teaf, C.M. and M.M. Garber. 2021. Toxicology and Properties of Organic Solvents and Solvent-like Chemicals. *In: Roberts, S.M. R.C. James, and P.L. Williams (eds.), Principles of Toxicology: Industrial and Environmental Applications (Fourth Edition).* John Wiley & Sons, Inc., Hoboken, NJ. *In final publisher review for 2021 publication.*

Teaf, C.M., M.M. Garber and D.J. Covert,. 2021. PFAS Toxicology, Risk and Recent Regulatory Considerations. *PFAS Forum. Tampa, FL. April 2021.*

Li, Y., A. Smyth, J. Crane, C.M. Teaf, and G. Liu. 2021. Soil Arsenic in Miami-Dade County: A Fact Sheet. Extension Data Information Source (EDIS), University of Florida Institute of Food & Agricultural Sciences (IFAS), Publication SL483. March, 2021.

Herman, J.P., L. Redfern, C.M. Teaf, D.J. Covert, and T.M. Missimer. 2020. Cumene Contamination in Groundwater: Observed Concentrations, Evaluation of Remediation by Sulfate Enhanced Bioremediation (SEB), and Public Health Issues. *International Journal of Environmental Research and Public Health* Volume 17(22): 8380. doi:10.3390/ijerph17228380.

Teaf, C.M., M.M. Garber, and D.J. Covert. 2020. State of the Science and Recent Regulatory Status of 1,4-Dioxane and Polyfluorinated Substances. *36th Annual International Conference on Soils, Sediments, Water and Energy*. Amherst, MA. October, 2020. (Also served as session chair for Site Investigation & Characterization session, and Chair of Student Presentation Evaluation Committee).

DeMeo, R.A., C.M. Teaf, J. Oliveros, M. Delcamp, M. Gerding, and P. Cornais. 2020. Emerging Issues in Pollution Liability in Florida (Perfluoroalkyls, Environmental Insurance, Lieupo vs Simon's Trucking, Site Characterization). *34th Annual Environmental Permitting Summer School*. Florida Environmental Network and Florida Chamber, Marco Island, FL. July 21-24, 2020. (Presentation: Toxicology and Risk Issues for PFAs).

Teaf, C.M., M.M. Garber and D.J. Covert,. 2020. PFAS Toxicology, Risk and Recent Regulatory Considerations. *Accepted for presentation at PFAS Forum*. Tampa, FL. Scheduled for April, 2020, postponed to April 2021.

Teaf, C.M., M.M. Garber and D.J. Covert,. 2019. Drive for Regulatory Action on 1,4-Dioxane in Drinking Water and Controversy Surrounding its Mode of Action. *35th Annual International Conference on Soils, Sediments, Water and Energy*. Amherst, MA. October, 2019. (Also served as Risk Assessment session chair and Chair of Student Presentation Evaluation Committee).

Teaf, C.M. 2019. Perfluoroalkyl Substances (PFAS): Human Health Considerations. Air & Waste Management Association, Florida Section. Tallahassee, FL. October, 2019. (panel of toxicological, analytical laboratory, regulatory, geological/engineering experts).

Missimer, T.M., C.M. Teaf, R.G. Maliva, A. Danley-Thomson, D. Covert, and M. Hegy. 2019. Natural Radiation in the Rocks, Soils, and Groundwater of Southern Florida with a Discussion on Potential Health Impacts. *International Journal of Environmental Research and Public Health* 16: 1793-1815.

Teaf, C.M., M.M. Garber, and D.J. Covert. 2019. Health Risk and Risk Communication in the Context of Manufactured Gas Plant Sites: Science, Perception and Reality. *Presented at International Symposium & Exhibition on the Redevelopment of Manufactured Gas Plant Sites*. Atlantic City, NJ. June, 2019.

M.M. Garber, D.J. Covert, C.M. Teaf and B.J. Tuovila. 2019. Perfluorooctanoic Acid (PFOA): Environmental Sources, Chemistry, Toxicology & Potential Risks. *Soil and Sediment Contamination* 28 (3): 258-273.

Teaf, C.M., D. Flores, M. Garber, and V. Harwood. 2018. Toward Forensic Uses of Microbial Source Tracking (Chapter 6). *In: Cano, R.J. and G.A. Toranzos (eds.), Environmental Microbial Forensics*. ASM Press, Washington, DC. (Microbiology Spectrum: Volume 6, Issue 1; doi:10.1128/microbiolspec.EMF-0014-2017.)

Missimer, T.M., C.M. Teaf, W.T. Beeson, R.G. Maliva, J. Wooschlager and D.J. Covert. 2018. Natural Background and Anthropogenic Arsenic Enrichment in Florida Soils, Surface Water, and Groundwater: A Review with a Discussion on Public Health Risk. *International Journal of Environmental Research and Public Health* 15(10): 2278-2318.

Teaf, C.M., D.J. Covert, M.M. Garber and J.D. Krause. 2018. Toxicology, Health Risk & Evaluating Appendices III and IV of the Coal Combustion Rule Regarding Groundwater. *34th Annual International Conference on Soils, Sediments, Water and Energy*. Amherst, MA. October, 2018. (Also chaired Remediation technical session and Student Paper Competition Committee.)

Applegate, J., B. Dougherty, M.P. Petrovich and C.M. Teaf. 2017. Regulatory Update: Contaminated Media Forum, Chapters 62-780 and 62-777. *Air & Waste Management Association Florida Section Meeting*. Tallahassee, FL. November, 2017.

Teaf, C.M., M.M. Garber D.J. Covert, B.J. Tuovila. 2017. Environmental Sources, Chemistry, Toxicology & Potential Risks of Perfluorooctanoic Acid (PFOA): 33rd Annual International Conference on Soils, Sediments, Water and Energy. Amherst, MA. October, 2017. Also Session Moderator for Risk Assessment technical session.

DeMeo, R.A., J. Caspary, J. Oliveros, J. Applegate, N. Penichet, C. Teaf, and S. Folsom. 2017. Updates and Discussion of Risk-based Corrective Elements in Florida and Elsewhere. 31st Annual Environmental Permitting Summer School. Florida Chamber of Commerce. July, 2017. Ft. Lauderdale, FL.

Teaf, C.M., Garber, M.M. and D.J. Covert. 2017. Risk Assessment for Lead & Arsenic: How Do Biomonitoring Considerations Fit into the Big Picture. 33rd Annual International Conference on Soils, Sediments, Water and Energy: Special Biomonitoring Session. Amherst, MA. October, 2017. Also Session Moderator for Risk Assessment technical session.

Kostecki, P.T., C.M. Teaf and E.J. Calabrese (eds.). 2017. Foreward. In: Proceedings of the 32nd East Coast and 26th West Coast International Conferences on Contaminated Soils, Sediments, Water and Energy. Conferences held March, 2016 (San Diego, CA) and October, 2016 (Amherst, MA).

Marcus, M., M. Balagopalan and C.M. Teaf. 2017. Risk Assessment, Risk Management & Risk Communication: Roles, Responsibilities and Alignment. 110th Annual Conference & Exhibition: Bridging Environment, Energy & Health. Air & Waste Management Association Annual Meeting. Pittsburgh, PA. June, 2017.

Teaf, C.M., M.M. Garber, D.J. Covert, B.J. Tuovila,. 2017. Sources, Chemistry, and Toxicological Risk Considerations of Amines in the Environment. Proceedings of the 32nd East Coast and 26th West Coast International Conferences on Contaminated Soils, Sediments, Water and Energy. Conferences held March, 2016 (San Diego, CA) and October, 2016 (Amherst, MA). Also served as Proceedings Co-Editor.

Caspary, J., C.M. Teaf, C.M., J. Applegate, S. Folsom, C. Noble, M. Petrovich, J. Ullo, B. Dougherty and B. Moore. 2017. Update on Rule 62-780, 62-777, and the Contaminated Media Forum. 3rd Annual Winter Water Seminar. Florida Engineering Society. Tallahassee, FL. January, 2017.

Preston, W., M.M. Garber and C.M. Teaf. 2017. The Lautenberg Chemical Safety Act (Amendments and Reworking of the Toxic Substances Control Act): Legal and Toxicological Analysis. In preparation for Florida Environmental & Land Use Law, Florida Bar Journal, 2017.

Teaf, C.M. and D.J. Covert. 2016. Application of Probabilistic Risk Assessment Techniques at the State Regulatory Level: Principles & Practical Examples. Member of Panel Presentation entitled "Use of Decision Analysis and Probabilistic Tools to Manage Environmental Risk". 32nd Annual International Conference on Soils, Sediments, Water and Energy. Amherst, MA. October, 2016.

S. Simpson, G. Council, T. Ijaz, D.J. Covert and C.M. Teaf. 2016. Soil Cleanup Goal for Dioxin Using Probabilistic Risk Assessment Techniques. Soil & Sediment Contamination 25(7): 824-836.

Teaf, C.M., D.J. Covert, B.J. Tuovila, M.M. Garber. 2016. Amines in the Environment: Sources, Chemistry, Behavior and Toxicological Risk Considerations. 32nd Annual International Conference on Soils, Sediments, Water and Energy. Amherst, MA. October, 2016. Also served as Session Moderator for Risk Assessment technical session.

Bruell, C., E.J. Calabrese, Kostecki, P.T., and C.M. Teaf (eds.). 2016. Foreward. In: Joint Proceedings of the 31st East Coast and 25th West Coast International Conferences on Contaminated Soils, Sediments, Water and Energy. May, 2016; Conferences held March, 2015 and October, 2015. San Diego, CA and Amherst, MA.

Teaf, C.M. and J.M. Kuperberg (*contributing authors for Section 3*). 2016. Protecting Surface Water for Health: Identifying Assessing and Managing Drinking-Water Quality Risks in Surface Water Catchments. Rickert, B., I. Chorus, and O. Schmoll (eds.). World Health Organization, Regional Office for Europe.

DeMeo, R.A., P. Cornais, J. Oliveros, S. Folsom, C. Eldred, J. Wolfe, C.M. Teaf, J. Langenbach, H. Nelson, and R. Neely. 2016. Riding the RBCA Wave of Change: Practical Application of DEPs Risk Based Corrective Action Strategy. 30th Annual Environmental Permitting Summer School. Florida Chamber of Commerce. July, 2016. Orlando, FL.

Teaf, C.M., K.W. Teaf, and D.J. Covert. 2016. Toxicology & Environmental Significance of Benzaldehyde. Proceedings of the 31st Annual International Conference on Soils, Sediments, Water and Energy. Volume 21: 43-47.

S. Simpson, G. Council, T. Ijaz, D.J. Covert and C.M. Teaf. 2016. Health-based Dioxin Cleanup Goal Based on Probabilistic Risk Assessment. Proceedings of the 31st Annual International Conference on Soils, Sediments, Water and Energy. Volume 21: 29-42.

Folsom, S.D., M.P. Petrovich, C.M. Teaf, J. Ullo, and B. Dougherty. 2016. Waste Program Updates: The Contaminated media Forum and Summary of Recent Rulemaking Activities. 2nd Annual Winter Seminar, Florida Engineering Society. Tallahassee, FL. February, 2016.

Teaf, C.M. 2015. Toxicology, Exposure Considerations, and Regulatory Considerations of 1,4-Dioxane. Northeast Waste Management Officials Association (NEWMOA). *Three course offerings in September and December, 2015 in Danielson, CT; Westford, MA; and Lebanon, NH.*

DeMeo, R.A. , C.M. Teaf, P. Cornais, D. Stubbs, J. Oliveros, J. Applegate, H. Nelson, and S. Hilfiker. 2015. Practical Applications of Changes to Florida DEP's Risk-based Corrective Action Program. 29th Environmental Summer School Program, Florida Chamber of Commerce. July, 2015. Orlando, FL.

Teaf, C.M., B. Magee, S. Kane Driscoll, and C. Menzie. 2015. Risk-based Issues Confronting Assessment & Remediation at Historical Manufactured Gas Plant Sites. Panel presentation at MGP 2015. Providence, RI. April, 2015. *Also served as Session Moderator.*

Gasinski, C.M., E.W. Anderton, W.B. Taylor, D.J. Covert, W.D. Vogelsong, and C.M. Teaf. 2015. Risk-based Engineering Considerations Addressing Mixed Use Planning and Redevelopment at a Former MGP Site in Florida. *Presented at MGP 2015. Providence, RI. April, 2015.*

Teaf, C.M., K.W. Teaf, and D.J. Covert. 2015. Toxicology & Environmental Significance of Benzaldehyde. 31st Annual International Conference on Soils, Sediments, Water and Energy. Amherst, MA. October, 2015. *Also served as Session Moderator for Risk Assessment and Site Assessment technical sessions.*

S. Simpson, G. Council, T. Ijaz, D.J. Covert and C.M. Teaf. 2015. Health-based Dioxin Cleanup Goal Based on Probabilistic Risk Assessment. 31st Annual International Conference on Soils, Sediments, Water and Energy. Amherst, MA. October, 2015.

E.J. Calabrese, Kosteci, P.T., C.M. Teaf, and D. Ludwig and (eds.). 2015. Foreward. *In: Proceedings of the 30th International Conference on Contaminated Soils, Sediments, Water and Energy. August, 2015; Conference held October, 2014. Amherst, MA.*

Garber, M.M. and C.M. Teaf 2015. Toxicology and Environmental Regulation of 1,4-Dioxane. Contaminated Soils, Sediments, Water and Energy. Volume 20, pages 67-78.

Tuovila, B.J. and C.M. Teaf. 2015. Environmental Occurrence and Regulation of Historical Fumigants 1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane. *Contaminated Soils, Sediments, Water and Energy*. Volume 20, pages 79-86.

D. Ludwig and C.M. Teaf. 2015. Foreward. *In: Proceedings of the 24th International Conference on Soil, Water, Energy and Air*. San Diego, CA. Volume 2, pp. v. *Conference held March, 2014*.

DeMeo, R.A., M.P. Petrovich, and C.M. Teaf. 2015. "Risk-based Corrective Action in Florida: How is it Working." *Florida Bar Journal*. January, 2015.

Teaf, C.M., M.M. Garber and J.M. Kuperberg. 2015. Properties and Effects of Solvents and Solvent-like Chemicals. *In: Roberts, S.M. R.C. James, and P.L. Williams (eds.), Principles and Practices of Toxicology: Industrial and Environmental Applications (Third Edition)*. John Wiley & Sons, Inc., Hoboken, NJ.

Kostecki, P.T., E.J. Calabrese, D. Ludwig and C.M. Teaf (eds.). 2015. *Proceedings of the 24th Annual International Conference on Soil, Water, Energy & Air*. San Diego, CA. January 2015. *Conference held March, 2014*.

Williams, P., T. Cox, C.M. Teaf, S. Kacew, and R. McClellan. 2014. What Are the Current Issues Facing Scientific Publishing? *Society for Risk Analysis Annual Meeting*. Denver, CO. December, 2014.

Williams, P., T. Cox, C.M. Teaf, S. Kacew, and R. McClellan. 2014. Where Can I Publish My Risk-Related Research? *Society for Risk Analysis Annual Meeting*. Denver, CO. December, 2014.

Garber, M.M. and C.M. Teaf 2014. Toxicology and Environmental Regulation of 1,4-Dioxane. *30th Annual International Conference on Soils, Sediments, Water and Energy*. Amherst, MA. October, 2014. *Also served as Session Moderator for Risk Assessment session and on Student Presentation Judging Panel*.

Tuovila, B.J. and C.M. Teaf. 2014. Environmental Occurrence and Regulation of Historical Fumigants 1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane. *30th Annual International Conference on Soils, Sediments, Water and Energy*. Amherst, MA. October, 2014.

Lockett, L., K. Tolson, R. DeMott, J. Caspary, B. Dougherty, F.J. Ullo, and C.M. Teaf. 2014. Chapter 62-780 "U-Pick": Garden of Eden and the Low Hanging Fruit of Risk Assessment. *Environmental Summer School Program, Florida Chamber of Commerce*. July, 2014. Marco Island, FL.

Teaf, C.M. and D.J. Covert. 2014. Perfluorinated compounds: Potentially applicable soil screening levels for the contaminant du jour. *In: Proceedings of the 29th Annual International Conference on Soils, Sediments, Water and Energy*. April, 2014. pp. 37-38.

Teaf, C.M. 2014. Toxicological & Regulatory Status of the Polycyclic Aromatic Hydrocarbons and Arsenic. *MGP 2014, 5th International Symposium & Exhibition on the Redevelopment of Manufactured Gas Plant Sites*. Sandestin, FL. *Also served as Session Moderator*. April 2014.

D. Ludwig and C.M. Teaf. 2014. Foreward. *In: Proceedings of the 29th International Conference on Contaminated Soils, Sediments, Water and Energy*. Amherst, MA. March, 2014. *Conference held October, 2013*. Amherst, MA.

Kostecki, P.T., E.J. Calabrese, D. Ludwig and C.M. Teaf (eds.). 2014. *Proceedings of the 29th International Conference on Contaminated Soils, Sediments, Water and Energy*. March, 2014. *Conference held October, 2013*. Amherst, MA.

Bradley, L., C.M. Teaf, B. Magee, and C. Menzie. 2013. Risk assessments related to environmental conditions at historical manufactured gas plants. *EPRI Symposium on Assessment and Remediation of Former Manufactured Gas Plants*. Savannah, GA. November, 2013.

Teaf, C.M. 2013. Overview of the key components of human exposure assessment for soils and sediments. Special Session: Quantifying Human Exposures to Environmental Contaminants in Soils and Sediments. *29th Annual International Conference on Soils, Sediments, Water and Energy*. Amherst, MA. October, 2013.

Teaf, C.M. and B.J. Tuovila. 2013. Evaluation of reported health effects associated with a hydrochloric acid spill in a neighborhood setting. *29th Annual International Conference on Soils, Sediments, Water and Energy*. Amherst, MA. October, 2013.

Teaf, C.M., K. Weaver, and D. Bartlett. 2013. Human Health Criteria for Surface Water: Proposed Revisions to Chapter 62-302, FAC. Presented at Air & Waste Management Association Annual Meeting, Florida Section. Tallahassee, FL, September 2013. *Also served on Technical Judging Panel for student Law/Engineering session.*

Kostecki, P.T., E.J. Calabrese, D. Ludwig and C.M. Teaf (eds.). 2013. Proceedings of the 23rd Annual International Conference on Soil, Water, Energy & Air. March, 2013. San Diego, CA.

McInerney, T.M., C.M. Teaf, and A.E. Smith. 2013. Medicine, Merriment, Mischief, Mayhem & Marijuana: Is the Workplace Going to Pot? *Annual Workplace Strategies Symposium, New Orleans, LA*. May, 2013.

Frazier, K.D., M. Clarkson, C.A. Wist, and C.M. Teaf. 2013. Blood, Sweat & Hair: Overview of Hazards & Employer Notification for Drugs in the Workplace. *Annual Workplace Strategies Symposium, New Orleans, LA*. May, 2013.

Teaf, C.M. and D.J. Covert. 2013. Perfluorinated compounds: Potentially applicable soil screening levels for the contaminant du jour. *29th Annual International Conference on Soils, Sediments, Water and Energy*. Amherst, MA. October, 2013.

Teaf, C.M. and M.M. Garber. 2013. Challenges related to 1,4-dioxane characterization, evaluation and treatment: Three case examples. *29th Annual International Conference on Soils, Sediments, Water and Energy*. Amherst, MA. October, 2013. *Also served as Session Moderator.*

Teaf, C.M. and D.J. Covert. 2013. Dioxins in Soil: Reexamining How Clean is Clean Enough. *Contaminated Soils, Sediments, Water & Energy* 18: 137-152.

Gillette, D., A. Malefatto, R. Liggins, T. Tepper, C.M. Teaf. 2013. Turning Lemons into Lemonade: Innovative Redevelopment of Environmentally Challenged Property. *Environmental Summer School Program, Florida Chamber of Commerce*. July, 2013. Marco Island, FL.

Teaf, C.M. 2013. Foreword. *In: P.T. Kostecki, E.J. Calabrese, and C.M. Teaf (eds). Proceedings of the 28th Annual International Conference on Soils, Sediments, Water and Energy*. Amherst, MA. Contaminated Soils, Volume 18, pp. ix-x.

P.T. Kostecki, E.J. Calabrese, and C.M. Teaf (eds.). 2013. Proceedings of the 28th International Conference on Contaminated Soils, Sediments, Water and Energy. October, 2012. Amherst, MA.

DeMeo, R.A., D. Riotte and C.M. Teaf. 2012. Management of Contaminated Sites: Methods & Costs of Diminishing Health Risk. Florida Environmental Health & Safety Roundtable. November, 2012. Indiantown, FL.

Teaf, C.M. 2012. Risk Assessment and Human Health Evaluation in the Context of Evolving State Regulations. 15th Annual Florida Brownfields Conference. October, 2012. St. Petersburg, FL. *Also served as Session Moderator.*

Marchwinska-Myrwal, E., C.M. Teaf, G. Dziubanek and I. Hajok. 2012. Risk assessment and risk communication in environmental health in Poland. *European Journal of Public Health* 22(5): 742-744.

DeMeo, R.A., S. Parker, P. Cobb, K. Taylor, and C.M. Teaf. 2012. Getting It Done in Principle and Practice: Evaluation and Management of Active Brownfield Sites. 15th Annual Florida Brownfields Conference. October, 2012. St. Petersburg, FL.

Teaf, C.M. and D.J. Covert. 2012. Dioxins in Soil: Reexamining How Clean is Clean Enough. *28th Annual International Conference on Soils, Sediments, Water and Energy*. October, 2012. Amherst, MA. *Also served on Student Presentation Review Committee.*

Malefatto, A., R. Liggins, T. Tepper, C. M. Teaf, D. Gillette. 2012. Breaking the Mold: Innovative Approaches to Cleanup and Redevelopment of an Historical Golf Course. Florida Chamber of Commerce Environmental Summer School. July, 2012. Marco Island, FL.

Teaf, C.M. and M.M. Garber. 2012. Mercury Exposure Considerations: Evaluating the Chemical Form and Activities of the Individual. *Proceedings of the Annual International Conference on Soils, Sediments, Water and Energy*. Volume 17(1): 25-43.

Teaf, C.M. and B.J. Tuovila. 2012. Interpretation of Biological Data on Indoor Air Quality: Presence Doesn't Equate to Significance. *Proceedings of the Annual International Conference on Soils, Sediments, Water and Energy*. Volume 17(1): 58-67.

Teaf, C.M. and D.J. Covert. 2012. Risk Considerations Related to Environmental Arsenic Exposure: Drinking Water Ingestion versus Dietary Intake or Soil Exposure. *Proceedings of the Annual International Conference on Soils, Sediments, Water and Energy*. Volume 17(1): 114-122. *Also served as Session Moderator.*

Teaf, C.M. and B.D. Kerger. 2012. Toxicology, Risk & Exposure Considerations for Polycyclic Aromatic Hydrocarbons (PAHs). MGP 2012 International Symposium. Chicago, IL. March, 2012. *Also served as Conference Co-Chair.*

Calabrese, E., P.T. Kostecki, J. Dragun, C.M. Teaf, and D. Ludwig (eds.). 2011. *Proceedings of the 27th International Conference on Contaminated Soils, Sediments, Water and Energy*. October, 2011. Amherst, MA.

DeMeo, R.A., P. Cobb, K. Taylor, C. Saranko, and C.M. Teaf. 2011. Current Issues in Risk-based Corrective Action. 14th Annual Florida Statewide Brownfields Conference. November, 2011. Orlando, FL.

Teaf, C.M. 2011. Foreword. *In: Calabrese, E., P.T. Kostecki, J. Dragun, C.M. Teaf, and D. Ludwig (eds.). Proceedings of the 27th Annual International Conference on Soils, Sediments, Water and Energy*. Amherst, MA. Contaminated Soils, Volume 17, pp. ix-x.

Teaf, C.M., T.W. Davis, J.D. Doolittle, G. Morris, J. Levine, and D.J. Covert. 2011. Generation of electrical power with woody biomass: A site-specific technical evaluation of emissions and potential health risks. *Toxicological Sciences* 120 (S2): 330. *Also served as Session Co-Chair at SOT Annual Meeting, March 2011.*

Teaf, C.M., M.M. Garber and V.J. Harwood. 2011. Use of Microbial Source Tracking in the Legal Arena: Benefits and Challenges. Chapter 13, *In: Hagedorn, C., A. Blanch and V.J. Harwood (eds.). Microbial Source Tracking: Methods, Applications, and Case Studies*. Springer Science+Business Media, LLC. Chapter 13, pp. 301-312.

Teaf, C.M. 2011. Commentary on Harwell et al., "Quantitative Assessment of Current Risks to Harlequin Ducks in Prince William Sound, Alaska, from the Exxon Valdez Oil Spill". *Human and Ecological Risk Assessment*. Volume 17.

Teaf, C.M. 2010. Public Health During a Disaster: Assessing, Prioritizing & Protecting. For Florida Coastal School of Law and Jacksonville University, 12th Annual Northeast Florida Environmental Summit. November, 2010.

Teaf, C.M., D.J. Covert, P.A. Teaf, E. Page and M.J. Starks. 2010. Arsenic Cleanup Criteria for Soils in the US and Abroad: Comparing Guidelines and Understanding Inconsistencies. *Soil & Sediment Contamination* Volume 15, Chapter 9, pp. 94-102.

Teaf, C.M. 2010. Avoiding Injuries in the Work Environment: Lessons Learned from an Agency-wide Assessment. For the Florida Safety Academy, Division of Risk Management. July, 2010.

Teaf, C.M. 2010. Health & Safety in the Workplace: The Good, the Bad and the Ugly. For Florida Department of Financial Services, Interagency Safety Academy. July, 2010.

Teaf, C.M. 2009. Foreword to Volume 14. *In: Kostecki, P.T., and E.J. Calabrese (eds.), Proceedings of the 24th Annual International Conference on Soils, Sediments and Water*. Amherst, MA. *Contaminated Soils*, Volume 14, pp. xi-xii.

Teaf, C.M. and R. Budell. 2009. Agricultural Waste Management: Regulatory & Public Health Considerations. "Agricultural Update" presented by Continuing Legal Education Committee of Florida Bar Association. Gainesville, FL. November, 2009.

Griffin, T, and C.M. Teaf. 2009. Anthropogenic Background Analyses and Their Potential Impact on Brownfield Redevelopment Projects. Environmental & Land Use Law Annual Meeting, Florida Bar Association. Amelia Island, FL. August, 2009.

McDevitt, T.M. and C.M. Teaf. 2009. Health Risk & Toxicology in Case Evaluation and Litigation: Gaining Maximum Benefit from Your Expert. Environmental and Emerging Claims Managers Association (EECMA) Spring 2009 Conference, Captiva, FL. May, 2009.

Covert, D.J., K.F. Kosky, B.J. Tuovila and C.M. Teaf. 2008. Regulation of Hydrogen Sulfide (H₂S) at C&D Landfills: Health Risk & Esthetic Considerations. 24th Annual International Conference on Soils, Sediments and Water. October, 2008. Amherst, MA. (*Also served as Session Moderator*).

Teaf, C.M. 2008. Safety in The Workplace: Recognition, Anticipation and Prevention. For the Florida Interagency Council on Safety and Loss. November, 2008.

Teaf, C.M., J.B. Fisher, M.M. Garber, V.J. Harwood, S.N. Norris and R.L. Olsen. 2008. Field Applied Poultry Waste: Toxicology. Microbial Issues & Health. 24th Annual International Conference on Soils, Sediments and Water. October, 2008. Amherst, MA.

Teaf, C.M. 2008. Safety on the Job: Dealing With Obvious and Not-so-Obvious Workplace Hazards. For the Florida Department of Financial Services, Division of Risk Management. July, 2008.

Teaf, C.M and M. Stephens. 2008. Dust in mining applications. Session III: Mining Impacts & Mitigation. Florida Aggregate Mining Education Forum - 2008. August, 2008.

Teaf, C.M., D.J. Covert and S. Kothur. 2008. Polycyclic Aromatic Hydrocarbons (PAHs) in the Urban Environment: A Florida Perspective. *International Journal for Soils, Sediments and Water*, Volume 2.

Teaf, C.M. and B.L. Johnson. 2008. Deception and Fraud in the Publication of Scientific Research: Are There Solutions? *International Journal for Soils, Sediments and Water*, Volume 1.

Weeks, N., D. Jones, C.M. Teaf, T. Lubozynski and Petrovich, M. 2007. RBCA and Conditional Closure as a Brownfields Tool. 10th Annual Florida Brownfields Conference & Exhibition. November, 2007. Orlando, FL.

Teaf, C.M. and B.L. Johnson. 2007. Ethics in Technical Publications: How Can the System Identify and Address Scientific Fraud. 23rd Annual International Conference on Soils, Sediments and Water. October, 2007. Amherst, MA. (*Also served as Session Moderator*).

Teaf, C.M., D.J. Covert and S. Kothur. 2007. Urban Polycyclic Aromatic Hydrocarbons (PAHs): A Florida Perspective. 23rd Annual International Conference on Soils, Sediments and Water. October, 2007. Amherst, MA.

Teaf, C.M., D.J. Covert, R. M. Coleman, M. Petrovich, R.S. Murali, and V. Yarina. 2007. Risk Issues and Background Evaluation for Arsenic in Soil at a Planned Residential Development. *Contaminated Soils, Sediment & Water*. Volume 12: pp. 77-82.

Teaf, C.M. 2006. Disinfection byproducts: Benefits & limitations of existing drinking water guidelines. U.S. Environmental Protection Agency Federal-State Toxicology and Risk Analysis (FSTRAC) "Safe & Clean Water" Meeting. December, 2006. Clearwater, FL.

Khankhasayev, M., R. Herndon, J. Moerlins and C.M. Teaf. 2006. Overview of NATO CCMS Pilot Study on Environmental Decision-making for Sustainable Development in Central Asia. In: Vogtmann, H. and N. Dobretsov (eds.). *Environmental Security and Sustainable Land Use – with special reference to Central Asia*. Springer Publishers, NATO Security through Science Series. 379 pp.

Coleman, R.M., C.M. Teaf, V.P. Cavey, D.J. Covert, S.N. Hughes, M. Marcus, M. McClure. 2006. Achievement of a Beneficial Use Designation for a Specialized High Volume Byproduct. *Contaminated Soils, Sediments and Water*. Volume 11, Chapter 3, pp. 27-48. (*Also served as Session Moderator*).

Teaf, C.M. 2006. Arsenic bioavailability workshop: Physical and chemical characteristics of soils which influence decisions regarding arsenic bioavailability and health risks. EPRI Arsenic Work Group. December, 2006. Tampa, FL

Teaf, C.M. and B.L. Johnson. 2006. Fraud and deception in publication of scientific research: Is there a solution? *Human and Ecological Risk Assessment* 12(4): 623-625.

Teaf, C.M. 2006. Foreword to Volume 11. In: Kostecki, P.T., and E.J. Calabrese (eds.), Proceedings of the 21st Annual International Conference on Soils, Sediments and Water. Amherst, MA. *Contaminated Soils*, Volume 11, pp ix - x.

Teaf, C.M., B. Merkel, H.M. Mulisch, J.M. Kuperberg, and E. Wcislo. 2006. Industry, mining and military sites: Potential hazards and information needs. In: Schmoll, O. et al. (eds.), Protecting Groundwater for Health: Managing the Quality of Drinking-water Sources (Chapter 11). IWA Publishers, London, UK. pp. 309-336.

Teaf, C.M., B. Merkel, H.M. Mulisch, J.M. Kuperberg, and E. Wcislo. 2006. Industry, mining and military sites: Control and protection. In: Schmoll, O. et al. (eds.), Protecting Groundwater for

Health: Managing the Quality of Drinking-water Sources (Chapter 23). IWA Publishers, London, UK. pp. 613-630.

White, M., D. Rountree, K. Geis, S. Kastury, K. Taylor, J. Curtis, D. Covert, and C.M. Teaf. 2006. Cascades Park: Remediation and Beneficial Recreational Redevelopment of a Former Manufactured Gas Plant Site. 22nd Annual International Conference on Contaminated Soils, Sediments and Water. October, 2006. Amherst, MA.

C.M. Teaf, D.J. Covert, R. M. Coleman, M. Petrovich, R.S. Murali, and V. Yarina. 2006. Risk and Background Evaluation for Arsenic in Soil at a Planned Residential Development. 22nd Annual International Conference on Contaminated Soils, Sediments and Water. October, 2006. Amherst, MA. (*Also served as Session Moderator*).

Clark, B.S., P.T. Medico, F.J. Bermudez, M. Clewner, R.G. Wilkins, R.M. Coleman and C.M. Teaf. 2006. Beneficial Use of C&D Recovered Screen Material in Residential Applications: A Case Study. *Contaminated Soils* 11 (3): 355-360.

Teaf, C.M. 2006. A Toxicologist's Perspective on Industrial Exposures. *Workers First Watch*, Fall 2006. pp. 17-22. (*Originally published as a paper in Proceedings of the Annual Spring Conference & CLE for the Workers Injury Law & Advocacy Group. May, 2006. Lake Buena Vista, FL.*)

Teaf, C.M. and J.M. Kuperberg. 2006. Investigation and Information Collection for Contamination at Industrial Sites. *In: Chorus, I. et al. (eds.), Monograph on Characterization and Mitigation of Surface Water Contamination.* World Health Organization.

Teaf, C.M. and J.M. Kuperberg. 2006. Critical Control Points and Prevention of Contamination for Industrial Sites. *In: Chorus, I. et al. (eds.), Monograph on Characterization and Mitigation of Surface Water Contamination.* World Health Organization.

Teaf, C.M. and B.J. Tuovila. 2005. Indoor Air & Human Health: 21st Century Considerations. 8th Annual Florida Brownfields Conference. October, 2005. Jacksonville, FL.

Coleman, R.M., V.P. Cavey, D.J. Covert, S.N. Hughes, M. Marcus, M. McClure, and C.M. Teaf. 2005. Achievement of a Beneficial Use Designation for a Specialized High Volume Byproduct. 21st Annual International Conference on Contaminated Soils, Sediments and Water. October, 2005. Amherst, MA.

Clark, B.S., P.T. Medico, F.J. Bermudez, M. Clewner, R.G. Wilkins, R.M. Coleman and C.M. Teaf. 2005. Beneficial Use of C&D Recovered Screen Material in Residential Applications: A Case Study. 21st Annual International Conference on Contaminated Soils, Sediments and Water. October, 2005. Amherst, MA.

Teaf, C.M. Toxicology, Epidemiology & Public Health in the Courtroom. Florida Chamber of Commerce Summer School. July, 2005. Marco Island, FL.

Teaf, C.M. 2005. Science of Toxicology: Applications to Human Health Risk Assessment. Florida Association of Environmental Professionals Spring Conference. May, 2005. Jacksonville, FL.

Coleman, R.M., V.P. Cavey, D.J. Covert, S.N. Hughes, M. Marcus, M. McClure, and C.M. Teaf. 2005. Acquiring a Florida Beneficial Use Designation (BUD) for a High Volume Utility Byproduct. 42nd Annual Conference of the Air & Waste Management Association, Florida Section. November, 2005. St. Petersburg, FL.

Teaf, C.M., P.T. Medico, F.J. Bermudez, and B.S. Clark. 2005. Case Study: Beneficial Use of RSM in Residential Land Use Conditions. 15th Annual Materials Reuse and Recycling Conference. June, 2005. Key West, FL.

Teaf, C.M. 2005. Chemicals in the Workplace: How a Toxicologist Analyzes Exposure. 10th Anniversary Conference & CLE for the Workers Injury Law & Advocacy Group. April 10, 2005. Washington, DC.

Teaf, C.M. 2005. Critical Ecological Attributes and Historical Interstate Disputes Regarding the Apalachicola-Chattahoochee-Flint River System: A Panel Discussion. NATO Pilot Study Meeting: Tools and Approaches for Sustainability and Environmental Decision-Making in Central Asia. Wakulla Springs, FL. March, 2005.

Teaf, C.M. and B. W. Nocita. 2005. Site Investigation & Evaluation of Results: Assessment of Contamination and Risk. Technical Seminar for Hillsborough County Bar Association. February, 2005. Tampa, FL.

Teaf, C.M., H.V. Ritchie and R.M. Coleman. 2004. Status of the Science on Mold and Health Issues. Technical Seminar for First Coast Manufacturers Association. August, 2004. Jacksonville, FL.

Teaf, C.M., B.J. Tuovila, E.J. Zillioux, A. Shipp, G. Lawrence, C. Van Landingham. 2004. Nickel Carcinogenicity in Relation to the Health Risks from Residual Oil Fly Ash. *Human & Ecological Risk Assessment* 10(4): 665-682.

Teaf, C.M. and R.M. Coleman. 2004. Where Does the Science Stand on Mold Issues? Technical Seminar for White & Case Law Firm and for Marsh, Inc. January, 2004. Miami, FL.

Teaf, C.M. , B.K. Yessekin, and M.K. Khankhasayev (eds.). 2004. Risk Assessment as a Tool for Water Resources Decision-Making in Central Asia: Proceedings of a NATO Advanced Research Workshop. Kluwer Academic Publishers, Dordrecht, Netherlands. NATO Science Series, Earth and Environmental Sciences.

Teaf C.M. and J.M. Kuperberg. 2004. Risk Assessment, Risk Management and Risk Communication: Principles and Applications. *In: Teaf, C.M. et al. (eds.), Risk Assessment as a Tool for Water Resources Decision-Making in Central Asia: Proceedings of a NATO Advanced Research Workshop.* Kluwer Academic Publishers, Dordrecht, Netherlands. NATO Science Series, Earth and Environmental Sciences 34: 1-15.

Teaf, C.M., B. Yessekin and M. Khankhasayev (eds). 2004. Water Resources and Environmental Decision-Making in Central Asia: Proceedings of a NATO Advanced Research Workshop. Kluwer Academic Publishers, Dordrecht, Netherlands. NATO Science Series, Earth and Environmental Sciences Volume 34. 324 pp.

Aertgeerts, C.M. Teaf, and R., J. Colford. 2003. WHO Public Health Initiatives – Investigation of Gastrointestinal Diseases and Water Supply Structures in Central Asian Republics. Report Number 5045301. World health Organization, Regional Office for Europe.

Kuperberg, J.M., C.M. Teaf and H.V. Ritchie. 2003. Clean Up Approaches. *In: Stapleton, R.M. (ed.), Pollution A to Z.* Macmillan Reference Books, New York, NY.

Finley, B.L., T.J. Iannuzzi, N.D. Wilson, J.C. Kinnell, V. Craven, S. Lemeshow, C.M. Teaf, E.J. Calabrese and P.T. Kosteki,. 2003. The Passaic River Creel Angler Survey: Expert Panel Review, Findings and Recommendations. *Human and Ecological Risk Assessment* 9(3): 829-855.

DeMeo, R.A. and C.M. Teaf. 2003. Roles of the Attorney and Technical Consultants in Planning, Preparing and Presenting a Technical Case in Litigation. For National Registry of Environmental Professionals (NREP) and the International Society of Technical and Environmental Professionals (INSTEP). Orlando, FL. November, 2003.

Teaf, C.M. 2003. Overview of Risks Posed by Biological and Chemical Contaminants in Drinking Water. NATO Pilot Study Meeting: Tools and Approaches for Sustainability and Environmental Decision-Making in Central Asia. Almaty, Kazakhstan. November, 2003.

Aertgeerts, R., J. Colford and C.M. Teaf. 2003. Potential Health Effects of Saline Waters: Toxicology & Epidemiology. Proceedings of the Sixth International Symposium on Environmental Contamination in Central and Eastern Europe, Prague, Czech Republic. September, 2003. (*Also served as Session Moderator*).

Teaf, C.M., D.J. Covert and R.M. Coleman. 2003. Risk Assessment Applications Beyond Baseline Risks and Clean-up Goals. *Soils & Sediment Contamination* 12(4): 497-506. July, 2003.

Teaf, C.M. 2003. Chemical Agents Relevant to Terrorism Against Food Supplies and Water. 2003. Statewide Health Department Video Conference on Chemical Terrorism. For Florida State University College of Medicine and Florida Department of Health. June, 2003.

Teaf, C.M., D.J. Covert and R.M. Coleman. 2003. Arsenic in Florida: An Update on the SCTL Process. For Air & Waste Management Association. Pensacola, FL. May, 2003.

Teaf, C.M. 2003. Toxicology and adverse health impacts from the consumption of highly saline water supplies. Presentation at World Health Organization Seminar on Health Impacts of Highly Saline Waters. Copenhagen, Denmark. April, 2003.

Teaf, C.M., D.J. Covert and R.M. Coleman. 2002. Risk Assessment Applications in Atypical Circumstances. 18th Annual International Conference on Contaminated Soils, Sediments and Water. Amherst, MA. October, 2002.

Teaf, C.M. and J.M. Kuperberg. 2002. Development of Health-based Water Criteria for Environmental Chemicals: Theory and Application. NATO Advanced Research Workshop: Risk Assessment as a Tool for Environmental Decision-Making in Central Asia. Almaty, Kazakhstan. September, 2002.

Teaf, C.M. 2002. Risk Assessment & Risk Management: Goals and Applications. NATO Advanced Research Workshop on Water Resources and Environmental Decision-Making in Central Asia. Almaty, Kazakhstan. September, 2002.

Teaf, C.M., J.M. Kuperberg, H.V. Ritchie and B.J. Tuovila. 2002. Vulnerability of Water Systems to Chemical Attack. *In*: R. Aertgeerts (ed.), *Prevention and Management of Substance Terrorism Against Water Services*. World Health Organization Monograph. 85 pp.

I. Petrisor, M. Stefanescu, S. Dobrota, A. Voicu and C.M. Teaf. 2002. Microbiota Involved in Vegetation of Sulphidic Mine Tailings: Greenhouse Experiments. 18th Annual International Conference on Contaminated Soils, Sediments and Water. Amherst, MA. October, 2002.

Teaf, C.M., J.M. Kuperberg, and H.V. Ritchie. 2002.. Toxicology and the Environmental Behavior of Selected Chemical Terrorism Agents. Environmental Response Team Training, Florida Department of Environmental Protection, Division of Law Enforcement. Camp Blanding, FL. April, 2002.

Teaf, C.M., H.V. Ritchie, and J.M. Kuperberg. 2002. Chemical Terrorism: Properties and Toxicological Effects of Selected Agents. Conference on Terrorism in the New Millenium. Tampa, FL. April, 2002.

Petrisor, I., K. Komnitsas, I. Lazar, J.M. Kuperberg and C.M. Teaf. 2002. Studies on Biosorption of Heavy Metals from Mine Effluents. Proceedings of the 12th Annual West Coast Conference on Contaminated Soil, Sediment and Water. San Diego, CA. March, 2002.

Teaf, C.M., J.M. Kuperberg, I.G. Petrisor, E. Wcislo, R. Kucharski, T. Hazen and A. Tien. 2001. Bioremediation of a Petroleum-contaminated Site in Southern Poland: Phase 1 – Site Characterization and Risk Assessment. Proceedings of the First International Congress on Petroleum Contaminated Soils, Sediments & Water. London, UK, August 2001. (Also served as Session Moderator)

Petrisor, I.G., S. Dobrota, A. Voicu, M. Stefanescu, C. Teaf, M. Kuperberg. 2001. Emulsifying Activity of Several Good Hydrocarbon Degrading Bacterial Strains. Proceedings of the First International Congress on Petroleum Contaminated Soils, Sediments & Water. London, UK, August 2001.

Kuperberg, J.M., C.M. Teaf, I.G. Petrisor, A. Worsztynowicz, M. Adamski, M. Heitkamp, T. Hazen and A. Tien. 2001. Bioremediation of a Petroleum-contaminated Site in Southern Poland: Phase 2 – Biopile Construction and Operation. Proceedings of the First International Congress on Petroleum Contaminated Soils, Sediments & Water. London, UK, August 2001.

Teaf, C.M. 2001. Risk Assessment Principles and Practice in the US. Planning Seminar on Introduction of the Rapid Environmental and Health Risk Assessment Protocol for the Lower Danube River. World Health Organization and Italian Ministry of the Environment. Sofia, Bulgaria, January, 2001.

Petrisor, I.G., S. Dobrota, I. Lazar, A. Voicu, M. Stefanescu, M. Kuperberg, and C. Teaf,. 2001. Field Deployment of Oily Sludge Bioremediation in Romania. Proceedings of the 2001 International Containment & Remediation Technology Conference and Exhibition. Orlando, FL.

Teaf, C.M. 2000. Toxic Effects of Chlorinated and Nonchlorinated Solvents. *In: Williams, P. et al. (eds.), Principles and Practices of Toxicology: Industrial and Environmental Applications.* John Wiley & Sons, Inc., New York, NY.

Donkin, S.R., D.L. Ohlson and C.M. Teaf. 2000. Properties and Effects of Metals. *In: Williams, P. et al. (eds.), Principles and Practices of Toxicology: Industrial and Environmental Applications.* John Wiley & Sons, Inc., New York, NY.

Teaf, C.M. and P. Middendorf. 2000. Mutagenesis and Genetic Toxicology. *In: Williams, P. et al. (eds.), Principles and Practices of Toxicology: Industrial and Environmental Applications.* John Wiley & Sons, Inc., New York, NY.

Smoak, J.M., M. Brenner, M.S. Allen, C.M. Teaf and B.J. Tuovila. 2000. Elevated radium in Florida lakes. Proceedings of the American Geophysical Union meeting, San Francisco, CA. December, 2000.

Abdel-Rahman, M.S., H. Brown, B.G. Callahan, R. Di Giulio, C. Metcalfe, C. Teaf, and R. Yang. 2000. Peer Review Panel Report for the Fox River Human and Ecological Risk Assessments. Association for Environmental Health & Sciences, Amherst, MA. June, 2000.

Leeper, D.A., M.H. Kelly, M. Brenner, J.M. Smoak, W. Kenney, T.J. Whitmore, M.S. Allen, C.L. Schelske, B.J. Tuovila and C.M. Teaf. 2000. Radium-226 in Florida lakes: bioaccumulation and environmental risks. North American Lake Management Society 2000 Annual Meeting. Miami, FL. November, 2000.

Khan, A., S. Pack and C.M. Teaf. 2000. Dilution Attenuation Factors for RBCA at Miami International Airport. Proceedings of the Air & Water Resource Association Annual Conference. Miami, FL. November, 2000.

Kuperberg, J.M., C.M. Teaf, S. Dushenkov, C. Negri, R. Kucharski and A. Sas-Nowosielska. 2000. Phytoremediation – risk-based evaluation. Proceedings of the Fifth International Symposium on Environmental Contamination in Central and Eastern Europe, Prague, Czech Republic. September, 2000. (Also served as Session Moderator).

Rygiel, P.R. and C. M. Teaf. 2000. Disparate Information Obtained From Separate Analytical Techniques for Arsenic Determination in Groundwater: Implications for Risk Assessment. Proceedings of the Fifth International Symposium on Environmental Contamination in Central and Eastern Europe, Prague, Czech Republic. September, 2000. (Also served as Session Moderator).

Teaf, C.M., B.J. Tuovila, J.M. Kuperberg, D.A. Leeper, M.H. Kelly, M. Brenner, J.M. Smoak, M.S. Allen. 2000. Potential Health and Environmental Risks Associated with ²²⁶Radium in Florida Lakes. Proceedings of the Fifth International Symposium on Environmental Contamination in Central and Eastern Europe, Prague, Czech Republic. September, 2000. (Also served as Session Moderator).

Sellers, L., S. Emery, J. Wojtecki, and C.M. Teaf. 2000. Managing Sites with Chemical Issues: Evaluation and Presentation of Risk Information. Florida Chamber of Commerce 14th Annual Environmental Permitting Summer School. Marco Island, FL, July, 2000.

Kuperberg, J.M., K. Henderson, K.F.A. Soliman, C.M. Teaf and M.G. Kolta. 1999. Time of administration affects organophosphate pesticide-induced alterations in body temperature. Toxicological Sciences 48 (1-S): 187.

Teaf, C.M. 1999. Risk Assessment for Chemical and Radioactive Materials: Some Characteristics, Similarities and Differences. In: Choppin, G.R. and M.K. Khankhasayev (eds.), Chemical Separation Technologies and Related Methods of Nuclear Waste Management – Applications, Problems and Research Needs. Proceedings of the NATO Advanced Study Institute, held in Dubna, Russia, May, 1998. Kluwer Academic Publishers, Dordrecht, Netherlands. pp. 261-272.

Teaf, C.M., R.G. Cooper and J.J. McNally. 1999. Arsenic associated with golf course operations: on-site and off-site risk considerations for soils and water. Annual Meeting of the Society for Risk Analysis. Atlanta, GA. December, 1999.

Teaf, C.M. 1999. Can regulatory agency actions accommodate hormesis, adaptation and mechanisms of toxicity? Biological Effects of Low Level Exposures 8 (1): 19-21.

Teaf, C.M. 1999. Risk-Based Corrective Action (RBCA) at Miami International Airport. 1999 Hazardous Waste Management Conference. Miami, Florida. May, 1999.

Teaf, C.M. 1999. Toxicology and Risk Assessment: Using the Expert Witness. 1999 Annual Meeting, National Association of Legal Assistants. Tampa, FL. July, 1999.

Roberts, S.M., J. Bean and C. M. Teaf (eds.). 1999. Hazardous Waste Incineration: Evaluating the Human Health and Environmental Risks. CRC Press, Boca Raton, FL. 351 pp.

Fleming, L.E., J.A. Bean, I.K. Stabile and C.M. Teaf. 1999. Evaluation of epidemiologic studies on the human health effects associated with hazardous waste incineration facilities. In: Roberts, S.M., J. Bean and C.M. Teaf (eds.), Hazardous Waste Incineration: Evaluating the Human Health and Environmental Risks (Chapter 10). CRC Press, Boca Raton, FL. pp. 253-282.

Teaf, C.M., I.K. Stabile and P. Moffat. 1999. Characterization of potential emissions from hazardous waste incinerators and related facilities. In: Roberts, S.M., J. Bean and C.M. Teaf (eds.), Hazardous Waste Incineration: Evaluating the Human Health and Environmental Risks (Chapter 2). CRC Press, Boca Raton, FL. pp. 23-50.

Teaf, C.M., I.K. Stabile, P. Moffat and J.M. Kuperberg. 1999. Physical, chemical and toxicological properties of potential emissions from hazardous waste incinerators and related facilities. In: Roberts, S.M., J. Bean and C.M. Teaf (eds.), Hazardous Waste Incineration: Evaluating the Human Health and Environmental Risks (Chapter 3). CRC Press, Boca Raton, FL. pp. 51-85.

Teaf, C.M. 1999. Toxicology and Risk Assessment Considerations Concerning Chlorinated Solvents in Groundwater. For Florida Department of Health and Agency for Toxic Substances and Disease Registry (ATSDR). Wakulla Springs, FL. May, 1999.

Teaf, C.M. 1998. Session Moderator's Summary for Human Health Risk Assessment. *Human and Ecological Risk Assessment* 4(3): 671-674.

Tonner-Navarro, L.E., J.L. Phelps, S.M. Roberts and C.M. Teaf. 1998. Methods for Developing Risk-based Cleanup Goals for Complex Mixtures. *Human and Ecological Risk Assessment* 4(3): 721-736.

Goodheart, G.F., C.M. Teaf and M.J. Manning. 1998. Coupling Risk-Based Remediation with Innovative Technology. *Pollution Engineering* 30(5): 48-50.

Kerger, B.D. and C.M. Teaf. 1998. Validating airborne chemical exposure assessment for juries: two case studies involving chlorinated hydrocarbons in groundwater. Society for Risk Analysis, Risk Science and Law Specialty Group. Phoenix, AZ. December, 1998.

Wcislo, E., J.M. Kuperberg and C.M. Teaf. 1998. Risk Assessment as a Tool for Guiding Phytoremediation Activities: A Case Study for the Bytom Site in Poland. Proceedings of the 1998 Fourth International Symposium on Environmental Contamination in Central and Eastern Europe, Warsaw, Poland. September, 1998. (*Also served as Session Moderator*).

Teaf, C.M., D.J. Rillstone and M.J. Manning. 1998. Evaluation of Risks Posed by the Use of Contaminated Groundwater for the Manufacture of Concrete. Proceedings of the 1998 Fourth International Symposium on Environmental Contamination in Central and Eastern Europe, Warsaw, Poland. September, 1998. (*Also served as Session Moderator*).

Teaf, C.M. 1998. Toxicology & Health-Based Risk Assessment: Applications in the Workplace. Proceedings of the National Aeronautics & Space Administration (NASA) Occupational Health Conference. Orlando, FL. August 24, 1998.

Teaf, C.M. 1998. Escambia Wood Treatment Facility: Investigations and Public Health Issues. For Florida Department of Health and Agency for Toxic Substances and Disease Registry (ATSDR). Annual Meeting of the Florida Environmental Health Association. Cocoa Beach, FL. June, 1998.

Teaf, C.M. 1998. Risk Assessment for Chemicals & Radionuclides: Some Characteristics, Similarities and Differences. NATO Advanced Study Institute of Chemical Separation Technologies. Dubna, Russia. May, 1998.

Teaf, C.M. 1998. Toxicology & Health-Based Risk Assessment: Applications in the Workplace. American Industrial Hygiene Association. March, 1998.

Teaf, C.M. 1998. Implementation of Risk-Based Corrective Action (RBCA) Under Different State and Federal Cleanup Programs. Florida Bar Association, Miami, FL. January, 1998.

Kuperberg, J.M., M.G. Kolta, R. Kuharski, E. Wcislo, L. Gray and C.M. Teaf. 1997. Use of Risk-Based Approaches to Guide Environmental Remediation Research in Poland. Society of Environmental Toxicology and Chemistry, San Francisco, CA. November, 1997.

Teaf, C.M., R.M. Coleman, M.J. Manning and D.J. Covert. 1997. Site-specific Modification of the Standard ASTM-Tiered Approach for a Complex Site in Florida. Society of Environmental Toxicology and Chemistry, San Francisco, CA. November, 1997.

Teaf, C.M. 1997. Brownfield Development, Petroleum Sites and Risk-Based Corrective Action (RBCA): Where Have We Been and Where Are We Going? Annual Meeting of the Environmental and Land Use Law Section of the Florida Bar. Naples, FL. August, 1997.

Teaf, C.M. 1997. How Clean is Clean Enough? The Use of Risk Assessment Techniques in Brownfields Projects. Air & Waste Management Association. Gatlinburg, TN. August, 1997.

Teaf, C.M., S.M. Roberts and E. Akin (*co-panelists*). 1997. RBCA Cleanup Strategies for Brownfields Properties. Presented at Conference entitled The Challenges of Eastward Ho!: RBCA, Brownfields and Environmental Justice. Miami, FL. June, 1997.

Teaf, C.M., M.J. Manning and G.F. Goodheart. 1997. Use of Tiered Approaches to Cleanup Objectives at Illinois Brownfields Sites. Presented at Annual Meeting of the National Association of Environmental Professionals. May, 1997. (*Also served as Session Moderator*).

Kuperberg, J.M., M.G. Kolta, E. Wcislo and C.M. Teaf. 1997. The application of risk-based approaches to the evaluation and remediation of a refinery site in Poland. Annual Meeting of the Society of Toxicology. Cincinnati, OH. March, 1997.

Teaf, C.M. 1997. Risk-Based Corrective Actions at RCRA Sites. University of Florida TREEO Hazardous Waste Management Course. Ft. Lauderdale, FL. January 16, 1997.

Teaf, C.M., R.M. Coleman, M.J. Manning, D.J. Covert and J.L. Phelps. 1996. Multipathway Human Health Risk Assessment Concerning Air Emissions from Combustion of Orimulsion Fuel. Society for Environmental Toxicology and Chemistry. Washington, D.C. November 21, 1996.

Teaf, C.M. 1996. Risk-based corrective action: principles and practices. Florida Association of Environmental Professionals. Ft. Lauderdale, FL. October 18, 1996.

Teaf, C.M. 1996. Risk assessment practices and guidelines in the southern states. 1996 Environmental Expo. Tampa, FL. October 3, 1996.

Teaf, C. M and I.K. Stabile. 1996. Site-specific evaluation of potential public health risks: A case study of a Florida Superfund site. Annual Meeting of the Florida Public Health Association. Sarasota, FL. September 18, 1996.

Kuperberg, J.M., M. Kolta and C.M. Teaf. 1996. Phytoremediation: Potential for application in Central and Eastern Europe (C&EE). Proceedings of the 1996 Third International Symposium on Environmental Contamination in Central and Eastern Europe, Warsaw, Poland. September, 1996. (*Also served as Session Moderator*).

Kuperberg, J.M., E. Wcislo and C.M. Teaf. 1996. Application of risk-based approaches to the remediation of a Polish refinery site. Proceedings of the 1996 Third International Symposium on Environmental Contamination in Central and Eastern Europe, Warsaw, Poland. September, 1996. (*Also served as Session Moderator*).

Lillich, R.B., C.M. Teaf, D.H. Stinson, W. Green, and R.D. La Belle. 1996. Environmental Dilemmas Facing Eastern Europe and the Former Soviet Union. *Journal of Transnational Law & Policy* 5(2):1-42.

Teaf, C.M. 1996. Toxicology and CERCLA Risk Assessments: Common Approaches & Applications. American Bar Association, Section on Litigation. Vail, CO. February 19, 1996.

Roberts, S.M. and C.M. Teaf. 1995. Filling in the gaps: Addressing toxicity potential not typically included in risk assessments. Presented at 1995 Conference on State of Practice of Risk Assessment in

Human Health and Environmental Decision Making. Tallahassee, FL. December 13-14, 1995. (*Also served as Session Moderator*).

Kuperberg, J.M., C.M. Teaf and M.G. Kolta. 1995. Relative Toxicity as a Function of Environmental Availability. *Land Contamination and Reclamation* 3(4):3-4 to 3-5. (*Also served as Session Moderator*).

Teaf, C.M., R.C. Herndon and D.M. Haney. 1995. Risk Assessment: Principles and Applications to Historical Manufactured Gas Plant Sites. *Land Contamination and Reclamation* 3(4):3-21 to 3-23. (*Also served as Session Moderator*).

Wilson, I., I. Stabile and C.M. Teaf. 1995. Behavior modification by means of targeted education in high-risk raw oyster consumers. Submitted to *Florida Journal of Public Health*.

Teaf, C.M. 1995. Principles and Applications of Health-based Risk Assessment. *Keep Florida Beautiful*, Fall/Winter Edition 1995: pp. 26-29.

Teaf C.M. 1995. Human Health and Environmental Risks Associated with Contaminated Military Sites. *In: R.C. Herndon et al. (eds.), Cleanup of Former Soviet Military Installations: Identification and Selection of Environmental Technologies for Use in Central and Eastern Europe.* pp. 31-44. Springer-Verlag, New York, NY.

Stabile, I.K. and C.M. Teaf. 1995. International Conference on Health Effects of Hazardous Wastes, Atlanta, GA. June, 1995. (*Also served as Session Moderator*).

Teaf, C.M. 1995. Evaluating Potential Risks to the Public from a Superfund Site: Case Study. For Florida Department of Health and Rehabilitative Services and Agency for Toxic Substances and Disease Registry (ATSDR). Annual Meeting of the Florida Environmental Health Association. Cocoa Beach, FL. May 11, 1995.

Teaf, C.M. 1995. Medical Toxicology and Public Health Issues related to Florida Hazardous Waste Sites. For FSU Program in Medical Sciences, Florida Department of Health and Rehabilitative Services and Agency for Toxic Substances and Disease Registry (ATSDR). February, 1995.

Teaf, C.M. 1995. Worker Health and Safety Requirements. RCRA Inspector Training Institute, for U.S. Environmental Protection Agency and Florida Department of Environmental Protection. Orlando, FL. January 24-26, 1995.

Teaf, C.M. 1995. Weighing the Odds: An Overview and Perspective on Environmental Risk Assessments. 11th Annual Advanced Environmental Permitting Short Course, Tallahassee, FL. January 20, 1995.

Teaf, C.M. and E.B. Jones. 1995. Risk Assessments for Contaminated Sites in Relation to Real Estate Transactions. Quarterly Meeting of the Florida Envir. Assessors Assoc., Tallahassee, FL. January, 1995.

Harbison, R.D., C.J. Borgert and C.M. Teaf. 1995. Placental Metabolism of Xenobiotics. *In: Sastry, B.V.R., Placental Toxicology.* pp. 213-238. CRC Press, Boca Raton, FL.

Teaf, C.M., I.K. Stabile and J. Winter. 1994-1995. Seafood Poisoning: Biological and Nonbiological Effects of Contaminated Fish and Shellfish from the Gulf of Mexico. For U.S. Environmental Protection Agency Gulf of Mexico Program and Florida Department of Health and Rehabilitative Services. Tallahassee, FL, Corpus Christi, TX, Lafayette, LA, Biloxi, MS, Daytona Beach, FL and Huntsville, AL. (March, May, July, August, October, November, 1994 and June, 1995).

Teaf, C.M. 1994. Risk Assessment Approaches, Procedures and Goals. Florida Bar Environmental and Land Use Law Section Workshop, Tampa, FL. October, 1994. (*Also served as Workshop Co-Chair*).

Biczó, I., Sz. Böröcz, P. Richter, C.M. Teaf and M. Kuperberg. 1994. Developing a Chemical Safety Management System for Chlorine. Second International Symposium on Environmental Contamination in Central and Eastern Europe, Budapest, Hungary. September, 1994. (*Also served as Session Moderator*).

Teaf, C.M. and J.M. Kuperberg. 1994. Toxicology and Public Health Considerations in the Development of Cleanup Criteria for Contaminated Sites. Proceedings of the 1994 Second International Symposium on Environmental Contamination in Central and Eastern Europe, Budapest, Hungary. September, 1994. (*Also served as Session Moderator*).

Teaf, C.M. 1994. Health-based Risk Assessment and the Remediation of Contaminated Sites: Principles and Applications. For North Atlantic Treaty Organization (NATO) and the Joint Center for Hungarian-American Environmental Research, Studies & Exchanges (CHAERSE). Visegrad, Hungary. June, 1994.

Teaf, C.M. and D. Grant. 1994. Using Risk Assessment as a Remedial Option. Annual Florida Environmental Resources Conference. Orlando, FL. May 26, 1994.

Teaf, C.M. 1994. Hazardous Materials: Toxicology & Emergency Response. Medical Seminars on Public Health Implications of Hazardous Materials Incidents. Florida Department of Health and Rehabilitative Services and Agency for Toxic Substances and Disease Registry (ATSDR). Tallahassee, FL. March, 1994.

Teaf, C.M. 1994. Toxicology and Public Health: Agents, Exposures & Effects. Medical Seminars on Community Public Health Implications of Hazardous Waste Sites. Florida Department of Health and Rehabilitative Services and Agency for Toxic Substances and Disease Registry (ATSDR). Sarasota, Miami and Tallahassee, FL. January, February and March, 1994.

Winter, J.M. and C.M. Teaf. 1993. Benlate: a medical and scientific controversy. J. Florida Medical Association 80(6):400-402.

Teaf, C.M. and I.K. Stabile. 1993. Hazardous Materials: Toxicology and Emergency Response. Medical Seminars on Public Health Implications of Hazardous Waste Sites. Florida Department of Health and Rehabilitative Services and Agency for Toxic Substances and Disease Registry (ATSDR). Pensacola and Tallahassee, FL. November, 1993.

Teaf, C.M. and I.K. Stabile. 1993. Toxicology and public health issues: Florida hazardous waste sites. Medical Seminar on Community Public Health Implications of Hazardous Waste Sites. Florida Department of Health and Rehabilitative Services and Agency for Toxic Substances and Disease Registry (ATSDR). Pensacola, Ft. Lauderdale, Tampa and Sarasota, FL. March, April, May, October and November, 1993.

Teaf, C.M. 1993. Manufactured Gas Plant Sites: Application of Risk Assessment in the Development of Remedial Target Concentrations for Manufactured Gas Plant Sites. American Gas Association 1993 Distribution & Transmission Conference, Orlando, FL. May 19, 1993.

Winter, J.M. and C.M. Teaf. 1993. Physician Education in Diagnosis and Treatment of Diseases Related to Environmental and Occupational Exposures to Hazardous Waste. ATSDR International Conference on Health Effects of Hazardous Wastes, sponsored by ATSDR, Atlanta, GA. May, 1993.

Herndon, R.C., P.I. Richter, J.E. Moerlins, J.M. Kuperberg, and C.M. Teaf. 1993. The 1992 International Symposium on Environmental Contamination in Central and Eastern Europe: A Forum for Technology Transfer. International Conference on Health Effects of Hazardous Wastes, sponsored by ATSDR, Atlanta, GA. May, 1993. (*Also served as Session Moderator*).

Teaf, C.M. 1992. Toxicological Risk Assessment in the Application of Health-based Target Concentrations to Site Remediation. Proceedings of the 1992 International Symposium on Environmental Contamination in Central and Eastern Europe, Budapest, Hungary. October, 1992. (Also served as Session Moderator).

Haney, D.M., R.C. Herndon and C.M. Teaf. 1992. Historical Manufactured Gas Plant Sites: Use of Risk Assessment in the Development of Remedial Target Concentrations. Engineering Technical Note ENV-92-4-1, pp. 14. Operating Section, American Gas Association. November, 1992.

Teaf, C.M. and I.K. Stabile. 1992. Toxicology and public health issues: Florida hazardous waste sites. Medical Seminar on Community Public Health Implications of Hazardous Waste Sites. Florida Department of Health and Rehabilitative Services and Agency for Toxic Substances and Disease Registry. Miami and Orlando, FL. April, May and October, 1992.

Teaf, C.M. and I.K. Stabile. 1992. Site exercise: Evaluating potential risks from a hazardous waste site. Medical Seminar on Community Public Health Implications of Hazardous Waste Sites. Florida Department of Health and Rehabilitative Services and Agency for Toxic Substances and Disease Registry. Miami and Orlando, FL. April, May and October, 1992.

I.K. Stabile and C.M. Teaf. 1992. Differential diagnosis and treatment of acute and chronic exposure to chemicals at hazardous waste sites. Medical Seminar on Community Public Health Implications of Hazardous Waste Sites. Florida Department of Health and Rehabilitative Services and Agency for Toxic Substances and Disease Registry. Miami and Orlando, FL. April, May and October, 1992.

Stabile, I.K. and C.M. Teaf. 1992. A case study in environmental medicine: trichloroethylene exposure. Medical Seminar on Community Public Health Implications of Hazardous Waste Sites. Florida Department of Health and Rehabilitative Services and Agency for Toxic Substances and Disease Registry. Miami and Orlando, FL. April, May and October, 1992.

Stabile, I.K. and C.M. Teaf. 1992. A case study in environmental medicine: lead exposure. Medical Seminar on Community Public Health Implications of Hazardous Waste Sites. Florida Department of Health and Rehabilitative Services and Agency for Toxic Substances and Disease Registry. Miami and Orlando, FL. April, May and October, 1992.

Teaf, C.M. 1991. Risk Assessment and the Development of Remedial Targets for Contaminated Sites. Presented at Annual Environmental Engineering Conference, University of Florida. November, 1991.

Teaf, C.M. 1991. The Importance of Risk Assessment to Industry. Presented at Ninth Annual Carolina Conference on Environmental Law and Technology. Greenville, SC. June 1991.

Teaf, C.M. 1991. Dioxin Toxicity Revisited: Critical Characteristics and Current Applications. Presented at 1991 Mississippi Environment Meeting. Jackson, MS. May 1991.

Teaf, C.M. 1991. Toxicology and the Derivation of Maximum Contaminant Levels (MCLs). Presented at Annual Meeting of the Underground Injection Practices Council. Mobile, Alabama. February, 1991.

Teaf, C.M. and I.K. Stabile. 1990-1991. Toxicology, public health and patient response to health advisories. Physician Training Course on Public Health Implications of Environmental Toxicants. Florida Department of Health and Rehabilitative Services and Agency for Toxic Substances and Disease Registry. Tampa, Orlando, Ft. Lauderdale and Tallahassee, FL. March, July, November, 1990; April, September, 1991.

I.K. Stabile and C.M. Teaf. 1990-1991. Pediatric aspects of environmental health. Physician Training Course on Public Health Implications of Environmental Toxicants. Florida Department of Health and

Rehabilitative Services and Agency for Toxic Substances and Disease Registry. Tampa, Orlando, Ft. Lauderdale and Tallahassee, FL. March, July, November, 1990; April, September, 1991.

I.K. Stabile and C.M. Teaf. 1990-1991. Clinical evaluation of suspected environmental and occupational illness. Physician Training Course on Public Health Implications of Environmental Toxicants. Florida Department of Health and Rehabilitative Services and Agency for Toxic Substances and Disease Registry. Tampa, Orlando, Ft. Lauderdale and Tallahassee, FL. March, 1990; July, 1990; November, 1990; April, 1991; and September, 1991.

Teaf, C.M. and I.K. Stabile. 1990-1991. A case study for methylene chloride exposure: therapy and patient education. Physician Training Course on Public Health Implications of Environmental Toxicants. Florida Department of Health and Rehabilitative Services and Agency for Toxic Substances and Disease Registry. Tampa, FL. March, 1990.

Teaf, C.M. and I.K. Stabile. 1990-1991. A case study for organophosphate pesticide exposure: therapy and patient education. Physician Training Course on Public Health Implications of Environmental Toxicants. Florida Department of Health and Rehabilitative Services and Agency for Toxic Substances and Disease Registry. Tampa, Orlando, Ft. Lauderdale and Tallahassee, FL. March, 1990; July, 1990; November, 1990; April, 1991; and September, 1991.

Teaf, C.M., J.B. Bishop and R.D. Harbison. 1990. Depression of glutathione in male reproductive tissues and potentiation of EMS-induced germ cell mutagenesis by 1,2-dibromoethane. *Teratogenesis, Carcinogenesis, Mutagenesis* 10(6):428-438.

Stabile, I.K., C.M. Teaf and R.D. Harbison. 1989. Non-neuronal cholinergic and carnitineric systems in mammalian tissues. *Contemporary Reviews in Obstetrics and Gynecology* 1:253-260.

Teaf, C.M. 1989. Development of Site Rehabilitation Levels (SRLs) at contaminated sites. State Program Managers Annual Meeting, Association of State and Territorial Solid Waste Management Officials. Tucson, AZ. November, 1989.

Teaf, C.M., I.K. Stabile and R.D. Harbison. 1989. Potentiation of *in vivo* male germ cell mutagenesis by agents which deplete glutathione. European Society of Human Reproduction and Embryology. Copenhagen, Denmark. June, 1989.

Herndon, R.C., J.E. Moerlins, C.M. Teaf, V.W. Lambou and J.D. Koutsandreas. 1988. Hazardous waste from small quantity generators in the United States. *Hazardous Waste: Detection, Control, Treatment*. M Elsevire Science Publishers, Amsterdam, Netherlands.

Bishop, J.B., C.M. Teaf and V.E. Campbell. 1988. Assessment of fetal death among *in utero* progeny of Fischer 344 rats after gavage treatment of males with 2-AAF or 4-AAF. *In: Ashby, J. et al. (eds.). Evaluation of Short-term Tests for Carcinogens: Report of the International Programme on Chemical Safety's Collaborative Study of in Vivo Assays, Volume 2.* pp. 215-225. Cambridge University Press, Cambridge, UK.

Bishop, J.B., C.M. Teaf and M.F. Salamone. 1988. Assessment for abnormality in head shape of epididymal sperm from Fischer 344 male rats treated by gavage with 2-AAF or 4-AAF. *In: Ashby, J. et al. (eds.). Evaluation of Short-term Tests for Carcinogens: Report of the International Programme on Chemical Safety's Collaborative Study of in Vivo Assays, Volume 2.* pp. 258-260. Cambridge University Press, Cambridge, UK.

Teaf, C.M., R.C. Herndon and R.M. Coleman. 1988. Development of toxicant profiles for gasoline and other selected environmental contaminants. Proc. 1st Annual Environmental Toxicology Research Conference. Tallahassee, FL. June, 1988.

Teaf, C.M., R.C. Herndon and R.M. Coleman. 1988. Modeling relative risks from multiple routes of exposure to toxicants. Proc. 1st Annual Environment Toxicology Research Conference. Tallahassee, FL. June, 1988.

Teaf, C.M. 1988. Development and applicability of site rehabilitation levels. Florida Pollutant Storage Tanks Program. Annual Meeting. Orlando, FL. June, 1988.

Teaf, C.M. 1988. Methyl bromide toxicology and the assessment of risk for low-level exposures. U.S. Department of Agriculture Animal and Plant Health Inspection Service Annual Meeting. Lumberton, NC. April, 1988.

Teaf, C.M. 1988. Toxicology and human health effects of methyl bromide. Methyl Bromide Workshop. Florida Department of Agriculture and Consumer Services. La Belle, FL. March, 1988.

Jones, E.B., C.M. Teaf, J.E. Moerlins and R.C. Herndon. 1987. Current developments in the role of waste exchanges for satisfying waste minimization requirements. Annual Meeting of the Florida Society of Environmental Analysts. Orlando, FL. October, 1987.

Freeman, R.W. and C.M. Teaf. 1987. General principles of toxicology and fire safety precautions. Arson Conference. Florida Office of the State Fire Marshal. Orlando, FL. September, 1987.

Herndon, R.C., C.M. Teaf and J.E. Moerlins. 1987. Hazardous waste from United States small quantity generators. World Conference on Hazardous Waste. Budapest, Hungary. October, 1987.

Teaf, C.M., J.B. Bishop and R.D. Harbison. 1987. Depression of glutathione in male reproductive tissues and potentiation of EMS-induced germ cell mutagenesis by L-buthionine sulfoximine. *Teratogenesis, Carcinogenesis, Mutagenesis* 7(6):497-514.

Teaf, C.M. and T.C. Lewis. 1987. Seasonal occurrence of multiple caudal spines in the Atlantic stingray, *Dasyatis sabina*. *Copeia* 1987(1):224-227.

Bishop, J.B., C.M. Teaf and B. Booshan. 1987. Assessment of fetal death rate among in utero progeny of B6C3 and CD-1 mice after subcutaneous injection of males with butyl benzylphthalate. *Environmental Mutagenesis* 9 (Suppl. 8): 15.

Teaf, C.M., J.B. Bishop and R.D. Harbison. 1986. Glutathione and the potentiation of ethyl methanesulfonate (EMS)-induced germ cell mutagenesis by ethylene dibromide (EBD) and buthionine sulfoximine (BSO). *Environmental Mutagenesis* 8(6):85.

Gandy, J., C.M. Teaf, F.A. Adatsi, R.C. James and R.D. Harbison. 1986. Dependence of male reproductive toxicity on germ cell stage. In: Fujii, T. and P.M. Adams (eds.). Functional Teratogenesis: Proceedings of the Fourth International Congress of Toxicology. Teikyo Univ. Press, Tokyo, Japan.

Teaf, C.M. 1986. Toxicological aspects of risk assessment. In: Proceedings of the 1985 National Governors' Association Conference on Toxics in Groundwater. Committee on Energy and Environment, National Governors' Association. Washington, DC.

Moerlins, J.E., R.C. Herndon and C.M. Teaf. 1985. Hazardous Waste Management Guide for Florida Hospitals. Florida Hospital Association, 180 pp.

Teaf, C.M., J.B. Bishop and R.D. Harbison. 1985. Germ cell mutagenesis and glutathione (GSH) depression in reproductive tissue of the F-344 rat induced by ethyl methanesulfonate. *Mutation Research* 144:93-98.

Teaf, C.M. 1985. Mutagenesis. *In*: P.L. Williams and J. Burson (eds.). Industrial Toxicology: Safety and Health Applications in the Workplace. Van Nostrand-Reinhold Co., New York, NY.

James, R.C. and C.M. Teaf. 1985. Carcinogenesis. *In*: P.L. Williams and J. Burson (eds.). Industrial Toxicology: Safety and Health Applications in the Workplace. Van Nostrand-Reinhold Co., New York, NY.

Teaf, C.M., J.B. Bishop and R.D. Harbison, 1985. Ethylene dibromide (EDB) and buthionine sulfoximine (BSO) potentiation of ethyl methanesulfonate (EMS)-induced dominant lethal mutations. *Toxicologist* 5(1):140.

Teaf, C.M., R.W. Freeman and R.D. Harbison. 1984. Cocaine-induced hepatotoxicity: Lipid peroxidation as a possible mechanism. *Drug and Chemical Toxicology* 7(4):383-396.

Teaf, C.M., J.B. Bishop and R.D. Harbison. 1984. Alteration of ethyl methanesulfonate (EMS) dominant lethal effects in Fischer 344 rats with buthionine sulfoximine. *Genetics* 107(3):105.

Domon, O.E., C.M. Teaf, B. Booshan and J.B. Bishop. 1984. Assessment of the fetal death rate among *in utero* progeny of B6C3 and CD-1 mice after subcutaneous injection of males with (diethylhexyl)phthalate (DEHP). International Phthalic Acid Ester Conference, Surrey, UK. September, 1984.

Teaf, C.M., J.B. Bishop and R.D. Harbison. 1984. Effect of cadmium and buthionine sulfoximine (BSO) on glutathione levels in the male reproductive tract. *Toxicologist* 4(1):80.

Teaf, C.M., R.M. Freeman and R.D. Harbison. 1983. Cocaine-induced hepatotoxicity: Lipid peroxidation as a possible mechanism. *Toxicologist* 3(1):95.

Herndon, R.C., J.E. Moerlins and C.M. Teaf. 1983. Waste exchange and resource reuse. *Resource Recycling* 2(4):22-26.

Teaf, C.M., D.C. White and R.C. Herndon. 1981. The nature of hazardous waste: chemistry, health effects and management strategies. Annual Meeting, Florida Bar Environmental Law Section.

Teaf, C.M. 1981. Occurrence and distribution of selected vertebrates, vegetation and endangered species in Florida. *In*: Fernald, E.A. (ed.). Atlas of Florida, FSU Foundation, Inc.

Teaf, C.M. and T.C. Lewis. 1981. Seasonal occurrence of multiple caudal spines in the Atlantic Stingray, *Dasyatis sabina*. *ASB Bulletin* 28(2): 55.

Teaf, C.M. 1981. Current status of state and federal regulations governing management of hazardous wastes in Florida. Florida Division Annual Conference, American Chemical Society. May, 1981.

Teaf, C.M. 1980. Phylum Chordata: The Vertebrates (a laboratory guide to vertebrate dissection). *In*: Tschinkel, W.R. and P.C. Hayward, An Introduction to Animal Diversity, Burgess Publishing Co., Inc.

Teaf, C.M. 1980. Tidally-oriented movement patterns of the Atlantic stingray, *Dasyatis sabina*. *ASB Bulletin* 27(2): 6.

TECHNICAL REPORTS AND CONTRACTS:

Development and Performance of RCRA-related Personnel Health/Safety Training Activities and Technical Support. For Florida Department of Environmental Protection (Division of Waste Management). 2017-2020. (Contract HW-572).

Development and Performance of RCRA-related Personnel Health/Safety Training Activities and Technical Support. For Florida Department of Environmental Protection (Bureau of Waste Planning and Regulation). 2011-2017. (Contract HW-564).

Agency-specific Evaluation of Workers' Compensation Claims: Contributing Causes and Potential Improvements in Procedures and Practices. For Florida Department of Financial Services, Division of Risk Management. 2009 - 2010.

Evaluation of Potential Use of Cathode-Ray Tube (CRT) Glass in the Manufacturing of Pre-stress and Pre-cast Concrete Products. For Southern Waste Information eXchange, Leon County Department of Public Works, under contract to Florida Department of Environmental Protection. December, 2008.

Development and Performance of RCRA-related Personnel Health and Safety Training Activities Activities and Technical Support.. For Florida Department of Environmental Protection. 2005-2011. (ongoing; Contract HW-527).

Development and Performance of RCRA-related Personnel Health and Safety Training Activities Activities and Technical Support.. For Florida Department of Environmental Protection (Bureau of Waste Planning and Regulation). 2000-2005. (Contract HW-432).

The Florida Hazardous Waste Regulation Program: History and Positive Impacts on Florida's Environment.. For Florida Department of Environmental Protection (Bureau of Waste Planning and Regulation). 1998 (Contract HW-330).

RCRA Compliance Assistance Training Course for the Fiberglass Manufacturing Industry. For Florida Department of Environmental Protection (Bureau of Waste Planning and Regulation). 1996-1999 (Contract HW-330).

Development and Performance of RCRA-related Personnel Health and Safety Training Activities. For Florida Department of Environmental Protection (Bureau of Waste Planning and Regulation). 1996-1999 (Contract HW-330).

Leon County Emergency Management Plan for Hazardous Materials at Fixed Facilities. For Leon County Board of Commissioners, Leon County Division of Emergency Management and Florida Department of Community Affairs. 1996-1997.

RCRA Compliance Assistance Training Course for the Automotive Maintenance & Repair and Auto Paint & Body Industries. For Florida Department of Environmental Protection (Bureau of Waste Planning and Regulation). 1993-1996 (Contract HW-242).

Development and Performance of RCRA-related Personnel Health and Safety Training Activities. For Florida Department of Environmental Protection (Bureau of Waste Planning and Regulation). 1993-1996 (Contract HW-242).

Toxicological Support Services and Public Health Training for Physicians and Environmental Health Personnel. For Florida Department of Health & Rehabilitative Services. 1995-1997.

Public Education and Human Health Aspects of Seafood Safety. For U.S. Environmental Protection Agency Gulf of Mexico Program. 1995-1996.

Potential Human Health Impacts and Environmental Effects from Hazardous Waste Incinerators and Related Facilities. For Florida Department of Environmental Protection, and Florida Center for Solid & Hazardous Waste Management. 1994-1995 .

Seafood Safety: Toxicology and Microbial Issues Related to Contaminated Products. For U.S. Environmental Protection Agency Gulf of Mexico Program. 1994-1995.

Development of Site Rankings for Petroleum Contamination Sites. For Florida Department of Environmental Regulation. 1992-1994 (Contract HW-204).

Toxicological Support Services: Reviews of Site-Specific Risk Assessments and the Development of Acceptable Exposure Guidelines for Hazardous Waste Sites (e.g., CERCLA, State-lead). For Florida Department of Environmental Regulation (Division of Waste Mgmt). 1991-1993 (Contract WM-445).

Development and Performance of Specific RCRA-related Personnel Health and Safety Training Activities. For Florida Department of Environmental Regulation (Bureau of Waste Planning and Regulation). 1992-1993 (Contract HW-218).

Leon County Emergency Management Plan for Hazardous Materials at Fixed Facilities. For Leon County Board of Commissioners, Leon County Division of Emergency Management and Florida Department of Community Affairs. 1992-1993.

Technical Evaluation and Regulatory Review of RCRA Facility Closure Risk Assessments. For Florida Department of Environmental Regulation (Bureau of Waste Planning and Regulation). 1991-1992 (Contract HW-195).

Development and Performance of Specific RCRA-related Personnel Health and Safety Training Activities. For Florida Department of Environmental Regulation (Bureau of Waste Planning and Regulation). 1991-1992 (Contract HW-196).

Quality Assurance Review and Evaluation for Petroleum Contamination Sites Database. For Florida Department of Environmental Regulation (Division of Waste Mgmt). 1990-1991 (Contract GC-128).

Leon County Emergency Management Plan for Hazardous Materials at Fixed Facilities. For Leon County Board of Commissioners, Leon County Division of Emergency Management and Florida Department of Community Affairs. Final Report. May, 1991.

Toxicological Support Services: Reviews of Site-Specific Risk Assessments and the Development of Acceptable Exposure Guidelines for Hazardous Waste Sites (e.g., CERCLA, State-lead). For Florida Department of Environmental Regulation (Division of Waste Mgmt). 1989-1991 (Contract WM-331).

Technical Evaluation and Regulatory Review of RCRA Facility Closure Risk Assessments. For Florida Department of Environmental Regulation (Bureau of Waste Planning and Regulation). 1989-1991 (Contract HW-141).

Development of Site Rankings for Petroleum Contamination Sites. For Florida Department of Environmental Regulation. 1989-1992 (Contract HW-126).

Development of Site Rehabilitation Levels per Chapter 17-70, F.A.C. For Florida Department of Environmental Regulation. 1989-1990 (Contract HW-135).

Risk Assessment for Establishment of Acceptable Contaminant Levels in Environmental Media. (Toxicant Profiles for 8 compounds). For Florida Department of Environmental Regulation. 1988-1989 (Contract WM-318).

Florida Non-Hazardous Industrial-Waste-Disposal Facilities. Two volume final report prepared for the U.S. EPA on the characteristics and proximity of such facilities to sensitive environments.

Monitoring Guidance for Municipal-Waste-Combustion-Ash Disposal. #EPA600/X-90/267A&B. 1990.

Developing Automated Systems for Assessing Subtitle D Facility Locations. #EPA600-X-88-423. 1988.

Wet Environments RCRA Subtitle D Monitoring Guidance Parts I-IV. #EPA/600/X-88/403A,B,C,&D. December, 1988.

Characterization of Municipal Waste Combustion Ash Disposal Practices and Facilities (Preliminary Summary of Seventy-Two Municipal Waste Combustion Ash Disposal Facilities). #EPA/600/X-88/360. October, 1988.

Facility/Site Description of Pinellas County Solid Waste Management Complex Pinellas County, Florida. For U.S. Environmental Protection Agency. March, 1988.

Facility/Site Description of Southeast Hillsborough County Sanitary Landfill Hillsborough County, Florida. For U.S. Environmental Protection Agency. March, 1988.

Leon County Comprehensive Emergency Management Plan for Hazardous Materials. For Leon County Board of Commissioners, Division of Emergency Management and Florida Department of Community Affairs. Final Report. March, 1989.

1989 Annual Report of the State University System Toxicological Research Coordinating Committee. For the Florida Legislature and Office of the Governor. Final Report. March, 1989.

Risk Assessment for Establishment of Acceptable Contaminant Levels in Environmental Media. (Toxicant Profiles for 15 compounds) For Florida Department of Environmental Regulation. 1988-1989 (Contract WM-251).

Toxicological Support Services: Reviews of Site-Specific Risk Assessments and the Development of Acceptable Exposure Guidelines for Hazardous Waste Sites under CERCLA. For Florida Department of Environmental Regulation (Division of Waste Cleanup). 1988-1989 (Contract WM-223).

Technical Evaluation and Regulatory Review of RCRA Facility Closure Risk Assessments. For Florida Department of Environmental Regulation (Bureau of Environmental Permitting). 1988-1989 (Contract HW-98).

Locational Survey of Underground Storage Tank Facilities in Florida for Use in the State's Intergraph Data Base System. For Florida Department of Environmental Regulation (Bureau of Waste Management, Storage Tank Regulation Section). Final Report. January, 1989.

Development of Monitoring Guidance with an Emphasis on Wet Environments. For U.S. Environmental Protection Agency. 1987-1994 (ongoing).

Toxicological Support Services: Reviews of Site-Specific Risk Assessments and the Development of Acceptable Exposure Guidelines for Hazardous Waste Sites under CERCLA. For Florida Department of Environmental Regulation (Division of Waste Management). 1987-1988 (Contract WM-223).

Environmental Audit and Development of a Waste Management Plan. For Baptist Medical Center. Jacksonville, Florida. 1987.

1987 Annual Report of the State University System Toxicological Research Coordinating Committee. For the Florida Legislature and Office of the Governor. Final Report. March, 1987.

Relative Risks from Multiple Routes of Exposure to Toxicants Found in Water Supplies: A Review and Evaluation. For Florida Department of Environmental Regulation (Bureau of Groundwater Protection). Final Report. November, 1987.

Toxicological Support Services: Reviews of Site-Specific Risk Assessments and the Development of Acceptable Exposure Guidelines for Hazardous Waste Sites (e.g., CERCLA, State-lead). For Florida Department of Environmental Regulation (Bureau of Operations). 1986-1987 (Contract WM-186).

Risk Assessment for Establishment of Acceptable Contaminant Levels in Environmental Media. (Toxicant Profiles for 15 compounds). For Florida Department of Environmental Regulation. 1985-1987. Final Reports. November, 1987.

Toxicological Data Analysis and Risk Assessment For Facilities Identified During the Stationary Compression Vessels Notification Program. For Florida Department of Environmental Regulation. Final Report. December, 1986.

1986 Annual Report of the State University System Toxicological Research Coordinating Committee. For the Florida Legislature and Office of the Governor. Final Report. March, 1986.

Manual for Training Courses in Toxicology: Hazardous Waste Field Activities. For Florida Department of Environmental Regulation. Final Report. June, 1986.

Hazardous Waste Management Guide for Automotive Repair and Supply Shops. For Florida Automotive Services Council. Final Report. May, 1986.

Manual for Training Course on Emergency Response and Contingency Planning. For the U.S. Environmental Protection Agency. 1986.

Risk Assessment for Determination of Acceptable Levels of Selected Toxic Compounds in Florida Groundwater. (Toxicant Profiles for 28 compounds). For Florida Department of Environmental Regulation, Florida Board of Regents and Florida Department of Health and Rehabilitative Services. 1983-1987. Final Revised Reports. November, 1987.

Training Manual - Seminar on the Florida Right-to-Know Law and Management of Hazardous Wastes by Hospitals. For Florida Hospital Association. 1985.

Hazardous Waste Management Guide for Florida Hospitals. For Florida Hospital Association. 1985.

Proceedings of the Second National Conference on Waste Exchange and Resource Reuse. 1985.

1985 Annual Report of the State University System Toxicological Research Coordinating Committee. For the Florida Legislature and Office of the Governor. Final Report, March, 1985.

Alternative Technologies for Hazardous Waste Management in Florida. For the Florida Institute of Government and the Florida Legislature. 1984.

Toxicological Evaluation Manual: Risk Assessment and Safety Determination for Chemical Exposures. For the Florida Department of Health and Rehabilitative Services. 1984.

Development of a National Training Center for Hazardous Materials Management: A Concept Paper. For State of Florida and U.S. Environmental Protection Agency. 1983.

Leon County Biological Relationships: Final Report. For Leon County Board of Commissioners and City of Tallahassee. 1983.

Hazardous Waste Issues in Florida: A Legislative Monograph. For Florida House of Representatives and Florida Senate. 1983.

Proceedings of the First National Conference on Waste Exchange and Resource Reuse. 1983.

Southern Waste Information Exchange Catalog. Published quarterly 1982 to present.

East Pass Lagoon Water Quality Study: Phases I, II, III. For Okaloosa County Board of Commissioners. 1982.

Teaf, C. M. 1982. Leon County biological relationships: Part I. Florida Resources and Environmental Analysis Center, Florida State University, Tallahassee, Florida, USA. 75pp.

Siting of a Hazardous Waste Management Facility: An Overview. 1982.

Hazardous Waste: A Management Perspective. Final Report of the Governor's Hazardous Waste Policy Advisory Council to the Florida Legislature. 1981.

Hazardous Materials Contingency Plans for Local Governments. For U.S. EPA. 1981.

Feasibility Study for Establishing a Florida Waste Exchange. Florida Department of Environmental Regulation. 1981.

An Analysis of the Local, State, and Federal Authority and Responsibility for Hazardous Materials Incidents in Leon County, Florida. For Leon County Board of Commissioners. 1980.

Hazardous Waste Incidents in the State of Florida (Volume II). For Florida Department of Environmental Regulation. 1980.

Assessment of the Economic Impact of Florida's Proposed Hazardous Waste Control Program on Selected Industries. For Florida Department of Environmental Regulation. 1979.

Teaf, C.M. 1979. A study of the tidally-oriented movements of the Atlantic stingray, *Dasyatis sabina (LeSueur)* in Apalachee Bay, Florida. Masters Thesis, Florida State University, Tallahassee. 48 pp.

Hazardous Waste Incidents in the State of Florida (Volume I). For Florida Department of Environmental Regulation. 1978.

Hazardous Waste Survey for the State of Florida. For Florida Department of Environmental Regulation. 1977.

SELECTED CONFERENCES, PRESENTATIONS AND TRAINING COURSES:

Toxicology and Exposure Guidelines. In: Personnel OSHA Health and Safety Refresher Training Courses (8 hours). 2020. For Florida State University, Environmental Health & Safety Department. Tallahassee, FL. *September 14, 2020.*

24 Hour Health & Safety Refresher Course (*Toxicology & Exposure Guidelines session*). 2020. For Florida Department of Environmental Protection, Northeast District Office. Jacksonville, FL. *July 14, 2020.*

Personnel OSHA Health and Safety Refresher Training Courses (8 hours). 2020. For Florida Department of Environmental Protection. Tallahassee, FL. *May 14, 2020.*

Personnel OSHA Health and Safety Refresher Training Courses (8 hours). 2019. For Florida Department of Environmental Protection. Tallahassee, FL. *May 7 and May 16, 2019.*

24 Hour Health & Safety Refresher Course (*Toxicology & Exposure Guidelines session*). 2018. For Florida Department of Environmental Protection, Northeast District Office. Jacksonville, FL. May 16, 2018.

Personnel OSHA Health and Safety Refresher Training Courses (8 hours). 2018. For Florida Department of Environmental Protection. Tallahassee, FL. May 1 and May 15, 2018.

Teaf, C.M. and D.J. Covert. 2018. Toxicology, Health Risk & Appendices III and IV of the Coal Combustion Rule Regarding Groundwater. For Southern Company, Birmingham, AL. January 19, 2018.

Applegate, J., B. Dougherty, M.P. Petrovich and C.M. Teaf. 2017. Regulatory Update: Contaminated Media Forum, Chapters 62-780 and 62-777. *Air & Waste Management Association Florida Section Meeting*. Tallahassee, FL. November, 2017.

DeMeo, R.A., J. Caspary, J. Oliveros, J. Applegate, N. Penichet, C. Teaf, and S. Folsom. 2017. Updates and Discussion of Risk-based Corrective Elements in Florida and Elsewhere. *31st Annual Environmental Permitting Summer School*. July, 2017. Ft. Lauderdale, FL.

Personnel OSHA Health and Safety Refresher Training Courses (8 hours). 2017. For Florida Department of Environmental Protection. Tallahassee, FL. May 11 and May 16, 2017.

Unused, Unnecessary & Expired Medications: Why Do We Care. 2017. For Southern Waste Information Exchange and Florida Department of Environmental Protection. Clearwater, FL. April, 2017.

Caspary, J., C.M. Teaf, C.M., J. Applegate, JS. Folsom, C. Noble, M. Petrovich, J. Ullo, B. Dougherty and B. Moore. 2017. Update on Rule 62-780, 62-777, and the Contaminated Media Forum. *3rd Annual Winter Water Seminar*. Florida Engineering Society. Tallahassee, FL. January, 2017.

Annual Large Quantity Generators Hazardous Waste Training. 2017. (*Toxicology & Exposure Guidelines session*). For Florida Department of Environmental Protection, Northeast District Office. Jacksonville, FL. January, 2017.

24 Hour Health & Safety Refresher Course (*Toxicology & Exposure Guidelines session*). 2016. For Florida Department of Environmental Protection, Northeast District Office. Jacksonville, FL. November, 2016.

Personnel OSHA Health and Safety Refresher Training Courses (8 hours). 2016. For Florida Department of Environmental Protection. Tallahassee, FL. May 3 and May 12, 2016.

Toxicology, Exposure Considerations, and Regulatory Considerations of 1,4-Dioxane. Northeast Waste Management Officials Association (NEWMOA). Three course offerings in Danielson, CT; Westford, MA; and Lebanon, NH. September and December, 2015.

8 Hour Health & Safety Refresher Course (*Toxicology & Exposure Guidelines session*). For Florida Department of Environmental Protection, Northeast District Office. Jacksonville, FL. September, 2015.

Personnel OSHA Health and Safety Refresher Training Courses (8 hours). 2015. For Florida Department of Environmental Protection. Tallahassee, FL. Two offerings in April, 2015.

8 Hour Health & Safety Refresher Course (*Toxicology & Exposure Guidelines session*). For Florida Department of Environmental Protection, Central District Office. Orlando, FL. April, 2015.

24 Hour Health & Safety Refresher Course (*Toxicology & Exposure Guidelines session*). For Florida Department of Environmental Protection, Central District Office. Orlando, FL. February, 2015.

8 Hour Health & Safety Refresher Course (*Toxicology & Exposure Guidelines session*). For Florida Department of Environmental Protection, Central District Office. Orlando, FL. November, 2014.

Garber, M.M. and C.M. Teaf 2014. Toxicology and Environmental Regulation of 1,4-Dioxane. *30th Annual International Conference on Soils, Sediments, Water and Energy*. Amherst, MA. October, 2014.

Tuovila, B.J. and C.M. Teaf. 2014. Environmental Occurrence and Regulation of Historical Fumigants 1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane. *30th Annual International Conference on Soils, Sediments, Water and Energy*. Amherst, MA. October, 2014.

Personnel OSHA Health and Safety Refresher Training Courses (8 hours). 2014. For Florida Department of Environmental Protection. Tallahassee, FL. April, 2014 and May 2014.

Teaf, C.M. and B.J. Tuovila. 2013. Evaluation of reported health effects associated with a hydrochloric acid spill in a neighborhood setting. *29th Annual International Conference on Soils, Sediments, Water and Energy*. Amherst, MA. October, 2013.

McInerney, T.M., C.M. Teaf, and A.E. Smith. 2013. Medicine, Merriment, Mischief, Mayhem & Marijuana: Is the Workplace Going to Pot? *Annual Workplace Strategies Symposium, New Orleans, LA*. May, 2013.

Frazier, K.D., M. Clarkson, C.A. Wist, and C.M. Teaf. 2013. Blood, Sweat & Hair: Overview of Hazards & Employer Notification for Drugs in the Workplace. *Annual Workplace Strategies Symposium, New Orleans, LA*. May, 2013.

Teaf, C.M. and D.J. Covert. 2013. Perfluorinated compounds: Potentially applicable soil screening levels for the contaminant du jour. *29th Annual International Conference on Soils, Sediments, Water and Energy*. Amherst, MA. October, 2013.

Teaf, C.M. and M.M. Garber. 2013. Challenges related to 1,4-dioxane characterization, evaluation and treatment: Three case examples. *29th Annual International Conference on Soils, Sediments, Water and Energy*. Amherst, MA. October, 2013. *Also served as Session Moderator*.

Personnel Health and Safety Refresher Training Course (8 hours). 2013. For Florida Department of Environmental Protection. Tallahassee, FL. April, 2013 and May 2013.

Personnel Health and Safety Refresher Training Course (8 hours). 2012. For Florida Department of Environmental Protection. Tallahassee, FL. April, 2012 and May 2012.

Fourth Annual International Symposium & Exhibition on the Redevelopment of Manufactured Gas Plant Sites (MGP 2012). 2012. Chicago IL. March, 2012. *Also served as Symposium Co-Chair*.

Teaf, C.M. and M.M. Garber. 2011. Mercury Exposure Considerations: Evaluating the Chemical Form and Activities of the Individual. Presented at the 27th Annual International Conference on Soils, Sediments and Water. Amherst, MA. October, 2011. *Also served on Symposium Science Advisory Board and as Session Chair*.

Teaf, C.M. and B. J. Tuovila. 2011. Interpretation of Biological Data on Indoor Air Quality: Presence Doesn't Equate to Significance. Presented at 27th International Conference on Soils, Sediments & Water. Amherst, MA. October, 2011. *Also served on Symposium Science Advisory Board and as Session Chair*.

Teaf, C.M. and D.J. Covert. 2011. Risk Considerations Related to Environmental Arsenic Exposure: Drinking Water Ingestion versus Dietary Intake or Soil Exposure. Presented at the 27th Annual International Conference on Soils, Sediments and Water. Amherst, MA. October, 2011. *Also served on Symposium Science Advisory Board and as Session Chair*.

Teaf, C.M. 2010. Public Health During a Disaster: Assessing, Prioritizing & Protecting. For Florida Coastal School of Law & Jacksonville University. 12th Northeast FL Environmental Summit. Nov, 2010.

Teaf, C.M. 2010. Avoiding Injuries in the Work Environment: Lessons Learned from an Agency-wide Assessment. For the Florida Safety Academy, Division of Risk Management. July, 2010.

Teaf, C.M. 2010. Health & Safety in the Workplace: The Good, the Bad and the Ugly. For Florida Department of Financial Services, Interagency Safety Academy. July, 2010.

Teaf, C.M. and R. Budell. 2009. Agricultural Waste Management: Regulatory & Public Health Considerations. "Agricultural Update" presented by Continuing Legal Education Committee of Florida Bar Association. Gainesville, FL. November, 2009.

Teaf, C.M., D.J. Covert, P.A. Teaf and M.J. Starks. 2009. Arsenic Cleanup Criteria for Soils in the US & Abroad: Comparing Guidelines & Understanding Inconsistencies. 25th International Conference on Soils, Sediments and Water. October, 2009. Amherst, MA. (*Also served as Session Moderator*).

Griffin, T, and C.M. Teaf. 2009. Anthropogenic Background Analyses and Their Potential Impact on Brownfield Redevelopment Projects. Environmental & Land Use Law Annual Meeting, Florida Bar Association. Amelia Island, FL. August, 2009.

McDevitt, T.M. and C.M. Teaf. 2009. Health Risk & Toxicology in Case Evaluation and Litigation: Gaining Maximum Benefit from Your Expert. Environmental and Emerging Claims Managers Association (EECMA) Spring 2009 Conference, Captiva, FL. May, 2009.

Teaf, C.M., J.B. Fisher, M.M. Garber, V.J. Harwood, S.N. Norris and R.L. Olsen. 2008. Field Applied Poultry Waste: Toxicology. Microbial Issues & Health. 24th Annual International Conference on Soils, Sediments and Water. October, 2008. Amherst, MA.

Teaf, C.M. and M. Stephens. 2008. Dust in mining applications. Session III: Mining Impacts & Mitigation. Florida Aggregate Mining Education Forum - 2008. August, 2008.

Teaf, C.M. 2008. Safety in The Workplace: Recognition, Anticipation and Prevention. For the Florida Interagency Council on Safety and Loss. November, 2008.

Teaf, C.M. 2008. Safety on the Job: Dealing With Obvious and Not-so-Obvious Workplace Hazards. For FL Department of Financial Services, Div. of Risk Mgmt Interagency Advisory Council. July, 2008.

Personnel Health and Safety Refresher Training Course (8 hours). For Florida Department of Environmental Protection. Tallahassee, FL. April, 2008.

Weeks, N., Jones, D., Teaf, C.M., M. Lubozynski, and M. Petrovich. 2007. RBCA & Conditional Closure as a Brownfields Tool. 10th Florida Brownfield Conference & Exhibition. Nov, 2007. Orlando, FL.

Personnel Health and Safety Refresher Course (8 hours). For Florida Department of Environmental Protection. Tallahassee, FL. April, 2007.

Teaf, C.M. and L. Gray. 2007. Principles, Terminology & Applications of Toxicology in a University Setting. Environmental Health & Safety Department, Florida State Univ, Tallahassee, FL. April, 2007

Teaf, C.M. 2006. Disinfection byproducts: Benefits & limitations of existing drinking water guidelines. U.S. Environmental Protection Agency Federal-State Toxicology and Risk Analysis (FSTRAC) "Safe & Clean Water" Meeting. December, 2006. Clearwater, FL.

Teaf, C.M. 2006. Arsenic bioavailability: Physical & chemical soil characteristics influencing decisions on arsenic bioavailability & health risks. EPRI Arsenic Work Group. December, 2006. Tampa, FL

Teaf, C.M. and P.H. Burress. 2006. Principles, Terminology & Applications of Toxicology in a University Setting. For FSU Environmental Health & Safety Department, Tallahassee, FL. July, 2006.

Personnel Health and Safety Refresher Course (8 hours). For Florida Department of Environmental Protection. Tallahassee, FL. April, 2006.

Teaf, C.M., P.T. Medico, F.J. Bermudez, B.S. Clark. 2005. Case Study: Beneficial Use of RSM in Residential Applications. 15th Materials Reuse & Recycling Conference. June, 2005. Key West, FL.

Teaf, C.M. 2005. Chemicals in the Workplace: How a Toxicologist Analyzes Exposure. 10th Conference & CLE for the Workers Injury Law & Advocacy Group. April 2005. Washington, DC.

Personnel Health and Safety Refresher Course (8 hours). For Florida Department of Environmental Protection. Tallahassee, FL. April, 2005.

Khankhasayev, M., R. Herndon, J. Moerlins, C. Teaf. 2005. Overview of NATO CCMS Pilot Study on Environmental Decision-making for Sustainable Development in Central Asia. NATO Advanced Research Workshop on Environmental Security & Sustainable Land Use of the Mountain and Steppe Territories of Mongolia and Altai: Present Day Role of Traditions & Science. Barnaul, Russia, Oct, 2004.

Teaf, C.M., H.V. Ritchie and R.M. Coleman. 2004. Status of the Science on Mold and Health Issues. Technical Seminar for First Coast Manufacturers Association. August, 2004. Jacksonville, FL.

Personnel Health and Safety Refresher Course (8 hours). For Florida Department of Environmental Protection. Tallahassee, Florida. November, 2004.

Personnel Health and Safety Refresher Course (8 hours). For Florida Department of Environmental Protection. Tallahassee, Florida. March, 2004.

Teaf, C.M. and R.M. Coleman. 2004. Where Does the Science Stand on Mold Issues? Technical Seminar for White & Case Law Firm and for Marsh, Inc. January, 2004. Miami, FL.

NATO Pilot Study Meeting on Human Health Issues and Tools for Disease Prevention in Central Asia. Almaty, Kazakhstan. November, 2003. (*Served as Session Moderator*).

Sixth International Symposium on Environmental Contamination in Central and Eastern Europe. Prague, Czech Republic. September, 2003. (*Session Moderator and Steering Committee Member*).

OSHA Refresher Course for University Health and Safety Activities (8 hours). For Florida State University. Tallahassee, Florida. June 11, 2003.

Statewide Video Conference on Chemical Terrorism. For Florida State University College of Medicine and Florida Department of Health. June 10, 2003.

Personnel Health and Safety Refresher Course (8 hours). For Florida Department of Environmental Protection. Tallahassee, Florida. May 7, 2003.

Personnel Health and Safety Refresher Course for RCRA Activities (8 hours). For Florida Department of Environmental Protection. Tallahassee, Florida. January 8, 2003.

NATO Advanced Research Workshop: Risk Assessment as a Tool for Environmental Decision-Making in Central Asia. Almaty, Kazakhstan. September, 2002. (*Served as Co-Director and Editor of Proceedings*).

Safety Concerns: Awareness for the Field Inspector. For Florida Department of Environmental Protection. St. Petersburg, Florida. August, 2002

Vulnerability of Municipal and Private Water Systems to Chemical Attack. Presented at World Health Organization Restricted Expert Consultation on Prevention and Management of Substance Terrorism Against Water Services. Copenhagen, Denmark. November, 2001.

Personnel Health and Safety Refresher Course for RCRA Activities (8 hours). For Florida Department of Environmental Protection. Tallahassee, Florida. May, 2001.

Safety Concerns: Awareness for the Field Inspector. For Florida Department of Environmental Protection. St. Petersburg, Florida. August, 2001

Planning Seminar on Introduction of the Rapid Environmental & Health Risk Assessment for the Lower Danube River. For WHO and Italian Ministry of Environment. Sofia, Bulgaria. January, 2001.

Evaluating and Communicating Health Risks. Holland & Knight Annual Environmental Seminar Series. Orlando, Florida. October, 2000.

Fifth International Symposium on Environmental Contamination in Central and Eastern Europe. Prague, Czech Republic. September, 2000. (*Session Moderator and Steering Committee Member*).

14th Annual Environmental Permitting School. Managing sites with chemical issues: Evaluation and presentation of risk information. Florida Chamber of Commerce. Marco Island, Florida. July, 2000.

Personnel Health and Safety Refresher Course for RCRA Activities (8 hours). For Florida Department of Environmental Protection. Ft. Myers, Florida. August, 1999.

Toxicology and Risk Assessment: Using the Expert Witness. 1999 Annual Meeting, National Association of Legal Assistants. Tampa, FL. July, 1999.

Risk-Based Corrective Action at Miami International Airport. 1999 Hazardous Waste Management Conference. Miami, Florida. May, 1999.

Toxicology and Risk Considerations for Chlorinated Solvents. For Florida Department of Health & Rehabilitative Services. Wakulla Springs, Florida. May, 1999.

Fourth International Symposium on Environmental Contamination in Central and Eastern Europe. Warsaw, Poland. September, 1998. (*Session Moderator and Steering Committee Member*).

Personnel Health and Safety Refresher Course for RCRA Activities (8 hours). For Florida Department of Environmental Protection. Ft. Myers, Florida. July, 1998.

Risk Assessment Principles & Practice: Application to the Polish Environment. For Institute for Ecology of Industrial Areas and U.S. Department of Energy. Katowice, Poland. January, 1997.

Control of Reportable Diseases in Florida: A Public-Private Partnership. For Florida Department of Health & Rehabilitative Services. Tallahassee, Florida. October 24, 1996.

Third International Symposium on Environmental Contamination in Central and Eastern Europe. Warsaw, Poland. September, 1996. (*Session Moderator and Steering Committee Member*).

Personnel Health and Safety Refresher Course for RCRA Activities (8 hours). For Florida Department of Environmental Protection. Tallahassee, Florida. June 6, 1996.

Environmental Toxicology for Physicians *and* Medical History-taking in the Evaluation of Environmental or Occupational Disease. For Florida Department of Health & Rehabilitative Services. Sebring, Florida and Vero Beach, Florida. May 10 and May 15, 1996.

Control of Reportable Diseases in Florida: A Public-Private Partnership. For Florida Department of Health & Rehabilitative Services. Tallahassee, Florida. April 17, 1996.

RCRA Compliance Technical Assistance Training Courses. For Florida Department of Environmental Protection. Tallahassee, Florida (Eleven locations in Florida during period February to August, 1996).

Personnel Health and Safety Refresher Course for RCRA Activities (8 hours). For Florida Department of Environmental Protection. Tallahassee, Florida. April 2, 1996.

American Bar Association Section of Litigation, 8th Annual Environmental Litigation Midyear Meeting. Vail, Colorado. February 15-16, 1996.

12th Annual Environmental Permitting Course. Florida Chamber. Orlando, FL. January 17-18, 1996.

1995 Conference on State of Practice of Risk Assessment in Human Health and Environmental Decision Making. Tallahassee, FL. December 13-14, 1995. (*Session Moderator and Steering Committee Member*).

Risk Assessments, Audits & Other Compliance Management Tools. Environmental Compliance & Risk Management Seminar, Florida Chamber of Commerce. Tampa, FL. November, 1995.

Air Contamination in Central and Eastern Europe: What We Have Seen Since the Iron Curtain was Pulled Back. For Carolinas Air Pollution Control Association. Myrtle Beach, SC. October, 1995.

Personnel Health and Safety Refresher Course for RCRA Activities (8 hours). For Florida Department of Environmental Protection. Tallahassee, Florida. September 27, 1995.

MGP'95 International Symposium and Trade Fair on the Cleanup of Manufactured Gas Plants. Prague, Czech Republic. September, 1995. (*Session Moderator and Steering Committee Member*).

Seafood Poisoning: Biological & Nonbiological Effects of Contaminated Fish and Shellfish from the Gulf of Mexico. For U.S. EPA, Florida Department of Health & Rehabilitative Services. Tallahassee, FL; Corpus Christi, TX; Lafayette, LA; Biloxi, MI; Daytona Beach, FL and Orange Beach, AL. March 26, May 22, July 15, August 3, August 18, October 13, October 18, November 11, 1994, June 6, 1995.

Required Personnel Health and Safety Refresher Course for Hazardous Waste Activities (8 hours). For Levine•Fricke. Tallahassee, Florida. August 14, 1995.

Personnel Health and Safety Refresher Course for RCRA Activities (8 hours). For Florida Department of Environmental Protection. Tallahassee, Florida. May 18, 1995.

Worker Health and Safety Requirements. For U.S. Environmental Protection Agency RCRA Inspector Training Institute. Orlando, Florida. January 24-26, 1995.

Personnel Health and Safety Refresher Course for RCRA Activities (8 hours). For Florida Department of Environmental Protection. Ft. Myers, Florida. January 12, 1995.

RCRA Personnel Health and Safety Training Course (40 hours). For Florida Department of Environmental Protection. Orlando, Florida. December 5-9, 1994.

Training Course in Principles of Toxicology, Risk Assessment and Risk Communication. Conducted for Florida Department of Health and Rehabilitative Services. Jacksonville, Florida. November, 1994.

Risk Assessments: Understanding Their Strengths and Weaknesses (*Session Co-Chair*). For the Florida Bar Association, Environmental and Land Use Law Committee. Tampa, Florida. October 10, 1994.

Training Course for RCRA Inspectors. For Florida Department of Environmental Protection. Tallahassee, Florida. October 4-6, 1994.

Second International Symposium on Environmental Contamination in Central and Eastern Europe. Budapest, Hungary. September 20-23, 1994. (*Session Moderator and Steering Committee Member*).

Personnel Health and Safety Refresher Course for RCRA Activities (8 hours). For Florida Department of Environmental Protection. Tallahassee, Florida. August 23, 1994.

Regulations, Environmental Considerations and Safety Aspects of Petroleum Sites under Chapter 17-770. For Florida Department of Environmental Protection. Tallahassee, Florida. June 7-8, 1994.

Toxicology & Risk Assessment Training Course. Conducted for Florida Department of Environmental Protection. Tallahassee, Florida. May 18-19, 1994.

Seminars for Physicians & Medical Personnel: Public Health Implications of Toxic Materials & Hazardous Waste Sites. For Florida Dept of Health and Rehabilitative Services, Agency for Toxic Substances and Disease Registry. Miami, Sarasota, Tallahassee, Florida. March 3, 11, 12, 25, 30, 1994.

Required Personnel Health and Safety Refresher Course for Hazardous Waste Activities (8 hours). For Levine•Fricke. Tallahassee, Florida. March 7, 1994.

Training Course in Principles of Toxicology, Risk Assessment and Risk Communication. Conducted for Florida Department of Health & Rehabilitative Services. Jacksonville, Florida. February 3-4, 1994.

Personnel Health and Safety Refresher Course for RCRA Activities (8 hours). For Florida Department of Environmental Regulation. Tallahassee, Florida. January 8, 1994.

RCRA Personnel Health and Safety Training Course (40 hours). For Florida Department of Environmental Regulation. Orlando, Florida. December 6-10, 1993.

Personnel Health and Safety Refresher Course for RCRA Activities (8 hours). For Florida Department of Environmental Regulation. Tallahassee, Florida. July 8, 1993.

Personnel Health and Safety Refresher Course for RCRA Activities (8 hours). For Florida Department of Environmental Regulation. Orlando, Florida. May 20, 1993.

Medical Seminars on Public Health Implications of Hazardous Waste Sites. For Florida Department of Health and Rehabilitative Services and Agency for Toxic Substances and Disease Registry. Pensacola, Ft. Lauderdale and Miami, Florida. March, April, May, November, 1993.

Training Course in Principles of Toxicology, Risk Assessment and Risk Communication. Conducted for Florida Department of Health and Rehabilitative Services. Ft. Myers, Florida. January 28-29, 1993.

Personnel Health and Safety Refresher Course for Hazardous Waste Activities (8 hours). For Florida Department of Environmental Regulation. Tallahassee, Florida. December 9, 1992.

RCRA Personnel Health and Safety Training Course (40 hours). For Florida Department of Environmental Regulation. Tallahassee, Florida. November 16-20, 1992.

Required Personnel Health and Safety Refresher Course for Hazardous Waste Activities (8 hours). For Levine•Fricke. Tallahassee, Florida. November 18, 1992.

First International Symposium on Environmental Contamination in Central and Eastern Europe. Budapest, Hungary. October 21-24, 1992. (*Session Moderator and Steering Committee Member*).

Training Course in Principles of Toxicology and Risk Assessment. For Florida Department of Health and Rehabilitative Services. Orlando, Florida. July 23-24, 1992.

RCRA Personnel Health and Safety Required Refresher Course (8 hours). For Florida Department of Environmental Regulation. Orlando and Tallahassee, Florida. May 29, June 23 and September 15, 1992.

Training Course in Principles of Toxicology and Risk Assessment. Conducted for Florida Department of Health and Rehabilitative Services. Tallahassee, Florida. June 18-19, 1992.

General Principles of Toxicology and Risk Assessment (3 Graduate Semester Hours). For Department of Biological Science, Florida State University. Tallahassee, Florida. January to April, 1992.

Medical Seminar on Community Public Health Implications of Hazardous Waste Sites. For Florida Department of Health and Rehabilitative Services and Agency for Toxic Substances and Disease Registry. Rockledge, Miami, and Orlando, Florida. April 10, April 24, May 28 and October 22, 1992.

Personnel Health & Safety Refresher Course for Hazardous Waste Activities (8 hours). For Florida Department of Environmental Regulation. Orlando, Tallahassee, FL. April, October, November, 1991.

RCRA Personnel Health and Safety Training Course (40 hours). For Florida Department of Environmental Regulation. Tallahassee, Florida. January 4-8 and September 16-20, 1991.

Physician Training Course on Public Health Implications of Environmental Toxicants. For Florida DOH and ATSDR. St. Petersburg and Orlando, Florida. April, September, 1991.

Supervisors Site Health and Safety Training Course for Hazardous Waste Activities (8 hours). For Levine•Fricke. Tallahassee, Florida. June 18, 1991.

Required Personnel Health and Safety Refresher Course for Hazardous Waste Activities (8 hours). For Levine•Fricke. Tallahassee, Florida. June 17, 1991.

Training Course on General Principles of Toxicology and Risk Assessment. Conducted for Florida Department of Health and Rehabilitative Services. Orlando, Florida. May 1-2 and May 21-22, 1991.

Training Course on Mixed Radioactive and Hazardous Waste. For Florida Department of Environmental Regulation. Tallahassee, Florida. October, 1990.

Physician Training Course on Public Health Implications of Environmental Toxicants. For Florida DOH and ATSDR. Tampa and Tallahassee, Florida. March 15 and July 24, 1990.

Mercury Contamination in Florida: Impacts and Solutions. Conducted by FSU Center for Biomedical & Toxicological Research, sponsored by 19 federal and state agencies. June 20-21, 1990.

Environmental Toxicology & Epidemiology: Practical Approach for Local Health Officials & Physicians. For National Assoc. of County Health Officials, ATSDR, DOH. Ft. Lauderdale. *July, 1990.*

RCRA Personnel Health and Safety Training Course (40 hours). For Florida Department of Environmental Regulation. Tallahassee, Florida. June 4-8, 1990.

RCRA Personnel Health and Safety Required Refresher Course (8 hours). For Florida Department of Environmental Regulation. Tallahassee, Florida. May 31, 1990.

RCRA Personnel Health and Safety: Basic Training Course (40 hours). For Florida Department of Environmental Regulation. Orlando, Florida and Tallahassee, FL. April 24-28 and December 4-8, 1989.

Groundwater Investigations and Application to Assessment of Risks. For Florida Department of Environmental Regulation. Tallahassee, Florida. June 6-7, 1989.

Risk Assessment & Decision-Making Training. Conducted for Florida Department of Environmental Regulation and U.S. Environmental Protection Agency. Tallahassee, Florida. August 30-31, 1988.

Training Course on General Principles of Toxicology & Risk Assessment. For Florida Department of Health & Rehabilitative Services. Tallahassee, Florida. September/October, 1987. Orlando, Florida.

Hazardous Materials Training (Risk Assessment; Hazardous Materials Contingency Plans). Conducted for National Hazardous Materials Training Center, Little Rock, Arkansas. October 28-30, 1986.

Training Course on Toxicology: Hazardous Waste Field Activities. Conducted for the Florida Department of Environmental Regulation and the Florida Department of Health and Rehabilitative Services. Tallahassee, Florida. June 25-26, 1986 and Orlando, Florida. October 8-9, 1986.

Training Course on Emergency Response and Contingency Planning. Conducted for the U.S. Environmental Protection Agency. Atlanta, Georgia. March, 1985; March, 1986.

Training Course for the Holmes Regional Medical Center: Employee Toxic Substances Right-to-Know Program. Conducted for the Holmes Regional Medical Center. Melbourne, Florida. 1986.

Training Seminar on Florida Right-to-Know Law & Management of Hospital Hazardous Waste. Conducted for the Florida Hospital Association (FHA). November, 1985; August, 1986. Orlando, FL.

Hazardous Waste Disposal and Hazardous Substances Right-to-Know Regulations. Conducted for Florida Hospital Engineers Association. Orlando, Florida. April 4, 1986.

Second National Conference on Waste Exchange & Resource Reuse. Tallahassee, Florida. March, 1985.

Training Course on the OSHA Hazard Communication Standard. Orlando, Florida. February, 1985.

Symposium: Alternative Technologies for Waste Management. Tallahassee, FL. February, 1984.

Training Course on Toxicology and Risk Assessment. Conducted for the Florida Department of Health and Rehabilitative Services. Orlando, Florida. October 3-5, 1984.

Monitoring and Management of Hazardous Waste at RCRA Subtitle D Facilities. Conducted for U.S. EPA Office of Research & Development. Tallahassee, Florida. October, 1984.

Symposium on EDB. Conducted for FL State University System. Tallahassee, FL. February, 1984.

Workshop on Monitoring Considerations in the Siting and Operation of Hazardous Waste Disposal Facilities in Temperate Zone Wet Environments. Conducted for the Office of Research and Development, U.S. Environmental Protection Agency. Tallahassee, Florida. October 4-5, 1983.

First National Conference on Waste Exchange and Resource Reuse. Tallahassee, Florida. March, 1983.

Hazardous Materials Contingency Planning Workshop. Conducted for Region IV, Environmental Emergencies Branch, U.S. Environmental Protection Agency. Atlanta, Georgia. March 26, 1981.

Workshop on Hazardous Waste Management for Educational Institutions. Conducted for the Florida Department of Education. Orlando, Florida. February 3-4, 1981.

Training Course on Management of Hazardous Waste and Hazardous Materials. Conducted for the Florida Department of Environmental Regulation. Orlando, Florida. January 14-15, 1981.

State Waste Exchange Workshop. For Florida Chamber of Commerce. Tallahassee, FL. December, 1980.

Hazardous Waste Management Seminar. Florida Engineering Society. Tampa, FL. November, 1980.

Hazardous Materials Incidents Workshop. For Leon County, Tallahassee, Florida. July, 1980.