POLLUTION PREVENTION
FACULTY AND PROGRAMS:
LAW AND POLICY
356 **DR. RICHARD DITTBENNER**  
Professor, School of Law  
Southwestern College  
900 Otay Lakes Road  
Chula Vista, CA 91910-7223  
Phone: (619) 421-6700 x15614  
Fax: (619) 482-6435  
E-mail: dittben@ix.netcom.com

Dr. Richard Dittbenner, JD, teaches Legal Environment of Business course with emphasis on the use of international, national, and local legal and policy-making systems to insight pollution prevention. Is also a member of the U.S. Navy’s Environmental Rehabilitation Advisory Board, Naval Air Station, North Island, Coronado, California, dealing with long-term multi-million dollar clean up of extremely toxic and hazardous sites.

357 **MR. TIM EDER**  
Project Manager, Great Lakes Natural Resource Center  
National Wildlife Federation  
506 East Liberty, Second Floor  
Ann Arbor, MI 48104-2210  
Phone: (313) 769-3351  
Fax: (313) 769-1449  
E-mail: eder@nwf.org

The Great Lakes Natural Resource Center, a regional office of the National Wildlife Federation, is involved in a variety of pollution prevention activities. The primary focus of our pollution prevention work is on the elimination of persistent toxic substances, such as mercury, PCB’s, dioxin and other pollutants that impact the water quality of the Great Lakes. Some of our other pollution prevention projects include mercury reduction and pollution prevention in hospitals, the virtual elimination of bioaccumulative chemicals in the Great Lakes region, the US EPA’s Common Sense Initiative and several regional and national P2 roundtables. The Center offers science internships primarily during the summer months. In addition, the Great Lakes Natural Resource Center operates an Environmental Law Clinic in conjunction with the University of Michigan Law School. Legal interns work in an interdisciplinary setting on projects to protect the people, wildlife, and natural resources of the Great Lakes region. Mr. Eder serves on the NPPC’s External Advisory Committee. For more information, please contact Neil Kagan, Clinic Director at (313) 769-3351 or nwfgrlks@igc.apc.org. For more information on the Great Lakes Natural Resource Center, visit WWW site at http://www.greatlakes.nwf.org/.

358 **DR. ELIZABETH GELTMAN**  
National Law Center  
George Washington University  
720 20th Street, NW  
Washington, DC 20052  
Phone: (202) 994-2327  
Fax: (202) 994-9446  
E-mail: egeltman@main.nlc.gwu.edu

Currently teaches Survey of Environmental Law and Policy, Environmental Issues in Business Transactions, and Clinical Studies in Environmental Law. These are three of 22 courses taught in the George Washington University National Law Center’s Environmental Law and Policy Program. Each course emphasizes pollution prevention. Various courses (1) look at role of lawyer as counselor and teach, for example, how to structure transactions to have a better environmental impact; (2) deal with how to permit a facility and identify hazardous waste issues; (3) look at policy aspects like the trend for EPA to merge compliance and enforcement; and (4) look at life cycle analysis.
DR. JAMES P. KARP
Professor of Law and Public Policy
Syracuse University
Crouse-Hinds School of Management
Suite 400
Syracuse, NY 13244-2130

Phone: (315) 443-3961
Fax: (315) 443-5457
E-mail: jkarp@som.syr.edu

Teaches and researches in the areas of land use regulation, environmental law, and sustainable development. One segment of the sustainable development course is on P2. In the environmental law course, students study statutes which address pollution prevention such as National Environmental Policy Act (NEPA), Resource Conservation and Recovery Act (RCRA), Toxics Substances Control Act (ToSCA).

DR. NANCY KUBASEK
Department of Legal Studies
Bowling Green State University
Bowling Green, OH 43403-0265

Phone: (419) 372-2376
Fax: (419) 372-2875
E-mail: nkubase@andy.bgsu.edu

Currently teaches an undergraduate course in Environmental Law and has just developed a graduate course entitled Environmental Law for Managers. Both courses include material on P2, especially the latter course. In August 1993, published Environmental Law, a textbook for non-law students that incorporates material on P2.

DR. MAXINE LIPELES
Engineering and Policy
Washington University
1 Brookings Dr.
St. Louis, MO 63130

Phone: (314) 935-5455
Fax: (314) 935-5449

Teaches senior and graduate level courses in environmental law. Covers the five primary environmental laws and their application and interpretation with respect to waste minimization and pollution prevention. Students are asked to write a paper on selected environmental issues from a legal standpoint.

DR. LYNDA OSWALD
Associate Professor of Business Law
University of Michigan
School of Business Administration
5204 Business Administration Building
Ann Arbor, MI 48109-1234

Phone: (313) 763-9827
Fax: (313) 936-8716
E-mail: lynda_oswald@ccmail.bus.umich.edu

DR. RICHARD OTTINGER
Center for Environmental Legal Studies
Pace University Law School
White Plains, NY 10603
Phone: (914) 422-4324
Fax: (914) 422-4180

Directs the Energy Project, which seeks to have electric and gas utilities invest in energy conservation and renewable resource derived power. Teaches a utility reform course educating lawyers in advocacy on the same subject. Published a study valuing societal costs of pollution from power plants, and advocates the use of these values in utility resource selection and pollution taxes.

DR. CINDY A. SCHIPANI
Louis and Myrtle Moskowitz Research Professor
Associate Professor of Business Law
University of Michigan
School of Business Administration
Ann Arbor, MI 48109
Phone: (313) 763-2257
Fax: (313) 764-2557
E-mail: schipani@umich.edu

Includes discussion of corporate liability for environmental violations in law of business associations courses. Current research includes the subject of director and shareholder liability exposure for environmental hazards.

DR. DAVID R. WOOLEY
Executive Director, Pace Energy Project
Pace University School of Law
E-House, Room 201
78 North Broadway
White Plains, NY 10603
Phone: (914) 422-4386
Fax: (914) 422-4180
E-mail: dwooley@genesis.law.pace.edu

The Pace Energy Project provides public education on the economic and environmental values of energy efficiency and renewable energy alternatives for the electric power industry. The project trains advocates and citizen groups on energy reform issues that can lead to increased implementation of energy efficiency and renewable energy alternatives.

DR. RICHARD ANDREWS
Dept. of Environmental Sciences & Engineering
University of North Carolina at Chapel Hill
School of Public Health
CB #7400, Rosenau Hall
Chapel Hill, NC 27599-7400
Phone: (919) 966-2359
Fax: (919) 966-7911
E-mail: pete_andrews@unc.edu

Teaching and research focus on public policy incentives about and against pollution. Compares U.S. federal government with state, local and international (mainly European) policies. Chaired recent advisory committee for the U.S. Congress Office of Technology Assessment on Rethinking Environmental Regulation and
served on National Academy of Public Administration committee on rethinking EPA. Currently leading a 2-year research project on innovative approaches to state environmental permitting for innovative technologies and business management practices, with emphasis on P2 innovations, ISO-14000, Project XL, and similar initiatives. Chaired National Research Council workshop on waste reduction research needs in social sciences. Wrote a recent article on P2 issues in the EPA Journal. Also currently writing a book on the history of environmental policy.

**367 DR. CLINTON J. ANDREWS**
Woodrow Wilson School of Public and International Affairs
Princeton University
Princeton, NJ 08544-1013

Phone: (609) 258-4835
Fax: (609) 258-1985
E-mail: candrews@princeton.edu

Research interests include: electric power sector planning and regulatory analysis; public participation; clean technology promotion; policy analysis. Also involved in industrial ecology teaching and research.

**368 DR. NICHOLAS ASHFORD**
Center for Technology, Policy, and Industrial Development
Massachusetts Institute of Technology
Cambridge, MA 02139

Phone: (617) 253-1664
Fax: (617) 253-7140

Teaches a two semester course in environmental law and policy. The first semester addresses air, water, and hazardous waste legislation; economic incentives; and pollution prevention. The second semester teaches risk assessment and the regulation of pesticides, pharmaceuticals, food additives, OSHA, TSCA, radiation, and biotechnology; compensation systems for chemical or radiation injury; and technology-based strategies (P2) as alternatives to risk-based legislation. The course materials are law cases, law review articles, and articles from scientific and engineering journals. The material is being prepared for a comprehensive, technology-focused textbook on environmental law and policy.

**369 DR. KATHLEEN BAWN**
Political Science
University of California–Los Angeles
Bunche Hall
Los Angeles, CA 90024

Phone: (310) 825-3676
Fax: (310) 825-0778

Teaches a course on the development of national environmental policies, emphasizing the ways political institutions influence the choice and administration of environmental regulation. P2 and incentives for implementation of P2 methods will figure prominently in the normative evaluation of environmental policy and of alternative policies.
DR. STEVEN COHEN
Associate Dean, School of International and Public Affairs
Director, Graduate Program in Public Policy and Administration
Columbia University
420 West 118th Street, Room 1417
New York, NY 10027

Serves as a consultant to the US EPA, Region II's Reinvention Task Force. Also involved with NOAA Earth Policy Center and Global Change Project and the Center for Environmental Research and Conservation (CERC). Has written and published numerous articles on public management and environmental management. Issues include Superfund (toxic wastes), regulation and cleanup of leaking underground storage tanks, energy policy, nuclear waste policy, total quality management, and management effectiveness.

DR. W. DAVID CONN
Professor, Department of Urban Affairs and Planning
Virginia Polytechnic Institute & State University
Blacksburg, VA 24061-0132

Teaches graduate and undergraduate course through the Department of Urban Affairs and Planning on pollution control planning and policy which includes emphasis on P2. Supervises related major papers and theses. Conducts research and professional outreach in solid and hazardous waste management, with a P2 perspective since 1972. Involved with the Virginia Tech Center for Environment and Hazardous Materials Studies. Recent research on communicating with the public about hazardous materials risks, and on the siting of facilities handling extremely hazardous materials, with risk reduction as a major objective. Member of the P2 Advisory Committee, Virginia Department of Environmental Quality.

DR. DAVID LEONARD DOWNIE
Director, Environmental Policy Studies Program
Assistant Professor of Political Science and International Affairs
Columbia University
420 W. 118th Street, 1327 IAB
New York, NY 10027

Is the Director of the Environmental Policy Studies Program at Columbia University. This program is one of ten concentrations in the Masters of Public Affairs Program offered through the School of International and Public Affairs. Columbia's MPA Program accomplishes these goals in a two-year program that includes a highly prescriptive core curriculum, a summer internship, a year-long workshop and a concentration chosen from such areas as advanced management techniques, urban policy, international affairs, environmental policy, health policy, foreign policy, advanced policy analysis, nonprofit management, gender policy or social welfare policy. Four additional courses in the political, historical, social, or economic context of public policy round out the program. Publications include: "International Organizations and International Regimes: The United Nations Environment Program and the Montreal Protocol;" "Comparative Public Policy of Chlorofluorocarbon Regulation;" and "International Environmental Priorities and Opportunities." For more information, visit WWW site at http://www.columbia.edu/cu/sipa/home.html/.
Actively promotes P2 and waste minimization programs through the classroom, satellite TV productions of industrial P2 programs (i.e. mining waste), newsletters, etc. Strong proponent of the incentive-based P2 programs for industry to reduce the number of waste streams, improve worker health & safety, and eliminate the EPA fee system. Is also studying the possibility of augmenting revenue sources for the EPA (regulatory fees, etc.) and expanding P2 programs. Would like to see a bibliography of all the work at the five EPA centers to, among other things, improve communication between the centers.

Teaches Environmental Ethics at the University of Colorado. Has completed a several year study, with Klasina VanderWerf, of cultural barriers to pollution prevention for the US EPA. The report, Cultural Barriers to Behavioral Change: General Recommendations and Resources for State Pollution Prevention Programs, was produced for the EPA under grant XB19192-01-0, July 1993. This report is included in the Selected Readings section of the Environmental Studies and Pollution Prevention Compendium of the NPPC.

Teaches classes and advises student projects on pollution prevention policies, corporate environmental management strategies (life cycle analysis, total quality environmental management, etc.), and industrial organizational change and pollution prevention.

Is the Editor of the Journal of Industrial Ecology and Yale Working Papers on Solid Waste Policy. Dr. Lifset has academic training in political science and management and his teaching focuses on policy and solid waste management. His research interests include the politics of internalization of externalities and extended producer responsibility.
DR. DAVID H. MOREAU
Professor, Department of City and Regional Planning
University of North Carolina at Chapel Hill
319 New East 003/CB# 3140
Chapel Hill, NC 27599-3140
Phone: (919) 962-4756
Fax: (919) 962-5206
E-mail: moreau.dcrp@mhs.unc.edu

Teaches a course for planning students on regional environmental planning and policy. Dr. Moreau has research interests in the analysis, planning, and financing and evaluation of water and related environmental programs. His numerous publications include work in systems analysis, planning and management of urban water systems, management of water supplies during droughts, and planning and evaluation of watershed management programs. He has chaired the board of a local water and sewer authority, worked for the U.S. Environmental Protection Agency, chaired several state-level environmental committees and commissions, and served on national advisory committees. He is currently serving as Chairman of the North Carolina Environmental Management Commission. Dr. Moreau has also served as Associate Dean of the College of Arts and Sciences and Director of the Water Resources Research Institute.

MR. TOM PAYETTE
Henry Ford Community College
5101 Evergreen
Dearborn, MI 48128
Phone: (313) 845-6398

Has taught sections of the introductory course in American Government and Politics since 1968. Emphasis has always been on encouraging and helping students to participate competently in the democratic policy-making process. Since environmental and energy issues have moved into an increasingly important position in the public policy agenda, devotes the last third of course to basic natural and physical science principles which are essential to environmental literacy. His philosophy is to teach concepts and principles necessary to improve students' grasp of issues and reduce emphasis on institutional details of the policy-making process.

DR. ANN RAPPAPORT
Assistant Professor, Depts of Urban and Env Policy and Civil and Environmental Engineering
Tufts University
Anderson Hall
Medford, MA 02155
Phone: (617) 726-3211
Fax: (617) 627-3994
E-mail: arappap1@pearl.tufts.edu

Conducts research on pollution prevention measurement and P2 in multinational corporations. Author of Development and Transfer of Pollution Prevention Technology (Westport CT: Quorum, 1993). Integrating P2 concepts into environmental engineering and public policy courses, also in course on corporate management of environmental issues.
380  **DR. MATTHIAS RUTH**
Assistant Professor, Center for Energy and Environmental Studies
Boston University  
675 Commonwealth Avenue  
Boston, MA 02215

**Phone:** (617) 353-5741  
**Fax:** (617) 353-5986  
**E-mail:** mruth@bu.edu

Teaches undergraduate and graduate level classes on the Physical Environment: Principle and Policy and Modeling Social and Environmental Systems. Develops modeling tools to assess human-environment interactions and to support decision making in industry and policy. For more information, visit WWW site at http://cees-server.bu.edu

381  **DR. BRETT A. SMITH**
Environmental Educator and Consultant
Macalester College  
5300 Irving Avenue South  
Minneapolis, MN 55419

**Phone:** (612) 920-9569  
**Fax:** (612) 929-0903  
**E-mail:** bsmith4442@aol.com

Visiting Assistant Professor at Macalester College where he is integrating pollution prevention into Environmental Policy and Politics course for undergraduate students. Working with faculty at the University of Minnesota to develop an interdisciplinary P2 course covering schools of management, public health, engineering, and public policy. Working to integrate P2 into a conference for Environmental Studies program in Minnesota. Adjunct Faculty at Hamline University where he is integrating pollution prevention into course in the Hamline Masters in Public Administration Program.

382  **DR. PAULETTE L. STENZEL**
Professor, Business, Law and Public Policy
Michigan State University  
Department of Finance  
315 Eppley Center  
East Lansing, MI 48824

**Phone:** (517) 353-3124 or 355-0252  
**Fax:** (517) 432-1080  
**E-mail:** stenzel@pilot.msu.edu

Research, writing, and publications on topics including: pollution prevention, toxics use reduction, worker and community right to know, worker right to act Mexican law, NAFTA and its environmental provisions, and NAFTA and its potential to promote sustainable development. Teaching and presentations on the above topics for University students as well as other audiences.

383  **MR. ROBERT STONE**
Massachusetts Institute of Technology  
Center for Technology Policy and Industrial Development  
Building E40-242  
1 Amherst Street  
Cambridge, MA 02139

**Phone:** (617) 253-8621  
**Fax:** (617) 253-7140

Research interests are inherent safety, policies to promote recycling by increasing the demand for secondary materials, and the design of policies to stimulate innovations in P2. Conducts research through the Center for Technology Policy and Industrial Development (CTPID).
DR. ROBERT J. WILDER
Assistant Researcher, Ocean and Coastal Policy Center
Marine Sciences Institute
University of California—Santa Barbara
Santa Barbara, CA 93106
Email: rwilder@umassd.edu

Phone: (805) 893-3765
Fax: (805) 893-8062

AAAS/EPA Fellow in the EPA Office of Pollution Prevention and Toxics, 1995. As Assistant Professor at University of Massachusetts, taught course on Environmental Policy and Law that had a component in pollution prevention. Has written and taught extensively on the “Precautionary Principle”, which is closely related to pollution prevention. Authored article “Prevention Rather Than Cure” (Nature, vol 369, 30 June 1994, pg. 700), which discusses the precautionary principle. The Coastal Policy Center is oriented toward problem-solving of significant coastal and ocean policy issues. Its major purpose is the development and application of the knowledge and analytical capabilities of the university to achieve wise utilization, conservation, and management of the ocean and coastal resources for current and future world populations. Work at the center is interdisciplinary, involving perspectives from the different social science disciplines (broadly defined as political science, economics, law, history, anthropology, sociology, geography and aspects of environmental studies) and from the natural and physical sciences. In addition to interdisciplinary research, the Center engages in applied projects which directly relate research to specific marine policy problems. Activities in this area include cooperative projects with government and industry, problem-solving seminars, conferences, and workshops, and dissemination of information about significant marine issues to the public. For more information, visit WWW site at http://omni.orda.ucsb.edu/msi/msitexts/OCPC/ocpc.htm/.

DR. BRUCE YANDLE
Alumni Professor of Law and Economics
Clemson University
Center for Policy and Legal Studies
Room 201 Sirrine Hall
Clemson, SC 29634
Email: yandle@clemson.edu

Phone: (803) 656-3970
Fax: (803) 656-4532

Teaches environmental law and policy at Clemson University. Directs a student research workshop on environmental policy that focuses on applied research addressing the use of market forces to reduce pollution.