



POLLUTION PREVENTION  
FACULTY AND PROGRAMS:  
**LAW AND POLICY**



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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**

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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 [nwfgriks@igc.apc.org](mailto:nwfgriks@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**

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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.

**359 DR. JAMES P. KARP**

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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).

**360 DR. NANCY KUBASEK**

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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.

**361 DR. MAXINE LIPELES**

Engineering and Policy  
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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.

**362 DR. LYNDA OSWALD**

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Prepared the *Pollution Prevention and Business Law* compendium for the National Pollution Prevention Center. Teaches *Environmental Law* elective at University of Michigan Business School. Research focuses on environmental law issues, particularly hazardous waste and corporate liability issues. Co-editor of *Environment and Business Newsletter* and Co-chair of Environment and Business Section of Academy of Legal Studies in Business.

**363 DR. RICHARD OTTINGER**

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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.

**364 DR. CINDY A. SCHIPANI**

Louis and Myrtle Moskowitz Research Professor  
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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.

**365 DR. DAVID R. WOOLEY**

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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.



**366 DR. RICHARD ANDREWS**

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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**

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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

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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

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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.

**370 DR. STEVEN COHEN**

Associate Dean, School of International and Public Affairs  
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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.

**371 DR. W. DAVID CONN**

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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.

**372 DR. DAVID LEONARD DOWNE**

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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/>.

**373 DR. STEVE GALITZER**

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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.

**374 DR. DALE JAMIESON**

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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.

**375 DR. ERNA KARRER-RUEEDI**

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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.

**376 DR. REID LIFSET**

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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.

**377 DR. DAVID H. MOREAU**

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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.

**378 MR. TOM PAYETTE**

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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.

**379 DR. ANN RAPPAPORT**

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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**

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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**

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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**

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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**

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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).

**384 DR. ROBERT J. WILDER**

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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.orca.ucsb.edu/msi/msitexts/OCPC/ocpc.htm/>.

**385 DR. BRUCE YANDLE**

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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.