Health Care Meets The Environment

A Symposium on Managing Pharmaceutical Wastes

8 a.m. to 4:15 p.m.
Friday, Sept. 19
Georgia State University
Student University Center
44 Courtland St.
Atlanta
Population growth including an aging population, preventative medicine and improved treatment options have all contributed to an increase in the use of prescription and over-the-counter medication. While the benefits of these drugs cannot be overstated, their use does have environmental consequences. In preparation for the 2014 release of EPA’s proposed health care facility-specific pharmaceutical waste management standards, this one-day symposium will explore:

- The prevalence of drugs in the environment including modes of entry, a comparison of Georgia’s water quality to other major cities in the United States and the effects on human and aquatic life.
- Regulatory trends including increased on-site inspections, notices of violation and enforcement actions.
- New health care facility-specific regulations proposed by the EPA to address the management and disposal of hazardous waste pharmaceuticals generated by health-care facilities and the impact on industry.
- Industry efforts including reverse distribution initiatives and hazardous waste management program implementation.

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Center for the Comparative Study of Metropolitan Growth

Co-Chairs

Karen Johnston (J.D. ’08)
Assistant Director, Center for the Comparative Study of Metropolitan Growth
Georgia State Law

Hahnah Williams Gaines (J.D., R.N.)
Associate, Environmental and Natural Resources Practice Group
Troutman Sanders LLP
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Schedule

8–8:30 a.m.  
Registration and breakfast

8:30–9 a.m.  
Opening remarks

Hannah Williams Gaines, Associate, Environmental and Natural Resources Practice Group, Troutman Sanders LLP

9–9:15 a.m.  
Break

9:15–10:15 a.m.  
Pharmaceuticals in the Environment

Moderator, John Travis Marshall, Assistant Professor of Law, Center for the Comparative Study of Metropolitan Growth, Georgia State University College of Law
Ching-Hua Huang, Professor, Georgia Institute of Technology School of Civil and Environmental Engineering
Greg R. Masson, Southeast Environmental Quality and Spill Response Coordinator, U.S. Fish & Wildlife Service

10:15–10:30 a.m.  
Break

10:30 a.m.–Noon  
Regulatory Update

Moderator, John H. Johnson, Partner, Environmental and Natural Resources Practice Group, Troutman Sanders LLP
Kristin Fitzgerald, U.S. Environmental Protection Agency Office of Resource Conservation and Recovery
David J. Irey, Assistant Chief Deputy District Attorney, Yolo County District Attorney’s Office, Calif.

Noon–1:30 p.m.  
Lunch Keynote Speaker

Paul Voss, President of Ethikos and Associate Professor, Georgia State University Department of English

1:30–3 p.m.  
Addressing the Problem: A Discussion among the Regulated Community

Moderator, Greg Blount, Partner, Environmental and Natural Resources Practice Group, Troutman Sanders LLP
Pat Perry, Director of Environmental Management, CVS Health
Charlotte Smith, Founder, PharmEcology

3:15–4:15 p.m.  
Networking and Afternoon Reception
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Greg Blount, Partner, Environmental and Natural Resources Practice Group, Troutman Sanders LLP

Greg Blount has broad experience representing clients in matters related to environmental law and policy for more than 30 years, including related civil litigation and enforcement issues in state and federal courts. Blount is a former assistant attorney general and general counsel for Georgia’s Environmental Agency. His experience includes work as national environmental counsel for a Fortune 100 company on retail and pharmaceutical waste issues, including regulatory and enforcement counseling in states such as California, Connecticut, Florida, New York, Illinois, Minnesota, Kansas and with U.S. EPA.

Kristin Fitzgerald, U.S. Environmental Protection Agency Office of Resource Conservation and Recovery

Kristin Fitzgerald, a member of the U.S. Environmental Protection Agency’s Office of Resource Conservation and Recovery in Washington, D.C., works primarily on hazardous waste generator issues. Prior to joining EPA, she worked as a consultant to the EPA and the Department of Energy and conducted research on the effects of elevated carbon dioxide on wetland plants while managing a laboratory at a university. Fitzgerald holds a B.A. in government from St. Lawrence University in New York and an M.S. in environmental science and policy from George Mason University in Virginia.

Hahnah Williams Gaines, Associate, Environmental and Natural Resources Practice Group, Troutman Sanders LLP

Hahnah Williams Gaines represents energy, manufacturing, retail pharmacy, scrap metal recycling, auto salvaging, and local government clients in all aspects of environmental law, most particularly the Clean Air Act, the Clean Water Act, the Resource Conservation and Recovery Act, and state counterparts. Her experience includes environmental litigation, environmental regulatory compliance counseling, federal and state environmental enforcement defense, and regulatory policy advocacy. Prior to joining Troutman Sanders in 2010, she worked as a critical care registered nurse, providing direct patient care in a highly regulated environment.

Ching-Hua Huang, Professor, Georgia Institute of Technology School of Civil and Environmental Engineering

Ching-Hua Huang received her B.S. in chemistry from National Taiwan University, and M.S. and Ph.D. in environmental engineering from Johns Hopkins University. She has more than 16 years of research experience on emerging contaminants such as endocrine disruptors, pharmaceuticals, nitrogenous disinfection by-products and nanomaterials in natural and engineered water systems. Huang has published more than 80 peer-reviewed high impact journal papers, book chapters and conference proceeding papers on the above topics and is a frequent invited speaker at many international conferences. The research by Huang and her students has been
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recognized by organizations such as the American Chemical Society and Gordon Research Conferences.

David J. Irey, Assistant Chief Deputy District Attorney, Yolo County District Attorney’s Office, Calif.

David J. Irey recently became the Assistant Chief Deputy District Attorney for Yolo county, after serving as deputy district attorney assigned to the Environmental Prosecutions Unit in San Joaquin County, California since 1989. Beginning in 1997, he was the lead attorney in the Worker Death and Code Enforcement Units. Since 2002, Irey has been the supervising deputy district attorney for the Environmental Prosecutions, Worker Death, Consumer Fraud, and Code Enforcement Units. He received his B.S. in environmental toxicology from the University of California-Davis. He completed a joint degree program at the University of California-Davis, King Hall School of Law, earning a master of science in water science and his J.D. in 1989.

John H. Johnson, Partner, Environmental and Natural Resources Practice Group, Troutman Sanders LLP

John H. Johnson provides compliance counseling on a range of federal and state environmental laws, including the Resource Conservation and Recovery Act, the Comprehensive Environmental Response, Compensation and Liability Act (Superfund), the Clean Air Act, the Clean Water Act and state counterparts, as well as the federal Emergency Planning and Community Right-to-Know Act, the Toxic Substances Control Act and the Safe Drinking Water Act. Prior to Troutman Sanders, he was with the Office of Regional Counsel, U.S. Environmental Protection Agency, Region 4, in Atlanta, where he served as chief of the Air & Toxics Law Branch and, subsequently, the Hazardous Waste Law Branch, with oversight responsibilities for federal air quality, toxics, hazardous waste and Superfund matters, including all permitting and enforcement activities, in the jurisdiction of Region 4.

John Travis Marshall, Assistant Professor of Law, Center for the Comparative Study of Metropolitan Growth, Georgia State University College of Law

John Travis Marshall teaches Environmental Law and Land Use Law. Prior to joining Georgia State Law in 2013, he was a clinical lecturer in law and the Ludwig Community Development Fellow at Yale Law School. From 2007 to 2011, Marshall was a Rockefeller Foundation Fellow with the New Orleans Redevelopment Authority, where he advised on post-Hurricane Katrina implementation of the authority’s urban revitalization efforts, including land acquisition, development and disposition programs. Prior to New Orleans, he was a partner with Holland & Knight LLP, specializing in land use and zoning matters as well as real estate litigation.

Greg R. Masson, Southeast Environmental Quality and Spill Response Coordinator, U.S. Fish & Wildlife Service

Greg R. Masson graduated from the University of Wyoming, received a M.S. in
biology from Wichita State University and earned a Ph.D. in zoology/physiology from the University of Florida. He is a co-author of *Pharmaceuticals in the Environment* publication prepared by the Federal Interagency Work Group on Pharmaceuticals in the Environment. Masson co-founded the SMARxT Disposal™ campaign on alternative methods for disposal of medications working with DEA, EPA, White House Office of Drug Control Policy, the American Pharmacists Association and Pharmaceutical Research and Manufacturers of America.

**Pat Perry, Director of Environmental Management, CVS Health**

Pat Perry specializes in building and managing environmental management programs. She joined CVS Health in 2011 after working in corporate compliance and environmental services for another Fortune 50 company for more than 15 years. Perry has experience managing environmental due diligence for large scale corporate acquisitions, regulatory compliance, product stewardship and recycling as well as investigations and remediation of chemical contamination. She has led teams charged with a company’s compliance management, including creating compliance programs, budget planning, messaging to executive management and external stakeholders, regulatory tracking, and talent management. Perry also worked for 10 years as an environmental consultant advising clients on remediation projects for industrial clients. Prior to her private sector work, she attended State University of New York at Buffalo where she earned a B.S. in geology. She is a member of the NAEM, a national association of environmental, health and safety professionals, and the Retail Industry Leaders Association (RILA).

**Charlotte Smith, Founder of PharmEcology**

Charlotte Smith is a consultant in pharmaceutical waste management and senior regulatory adviser, PharmEcology Services, a business unit of Waste Management Healthcare Solutions Inc., a Waste Management company. She founded PharmEcology Associates LLC in 2000 and sold it to WMHS in 2009. She co-founded Capital Returns Inc., a pharmaceutical reverse distributor in 1991 and for 10 years served as president and chief regulatory adviser. Smith is a registered pharmacist, who received her B.S. in pharmacy and M.S. in continuing and vocational education from the University of Wisconsin.

**Paul Voss, President of Ethikos and Associate Professor, Georgia State University Department of English**

Paul J. Voss, teaches courses on Shakespeare, Dante, Machiavelli, Business Ethics, Renaissance Literature and the History of the Book. His work on business ethics, sustainable development, and corporate stewardship builds on 2,500 years of intellectual history. His clients include the FBI Labs, General Electric Energy, ASCLD, British Petroleum, the Home Depot, PotashCorp, the Federal Railroad Administration, Carlson School of Management, Georgia Institute of Technology, Fairmount Minerals, Galls Uniforms and many others. He is completing his next book, *Loved or Feared: Paradigm Shifts and the Rejection of Machiavelli.*
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Georgia State University College of Law in downtown Atlanta has provided affordable and flexible legal education to full- and part-time students since 1982. The college enrolls nearly 700 students annually and offers experiential learning clinics, including the Philip C. Cook Low-Income Taxpayer Clinic, the Investor Advocacy Clinic and the Health Law Partnership (HeLP) Clinic, part of a health law program consistently ranked in the top 10 in the nation. Georgia State Law has been named a Best Value school by National Jurist magazine for eight consecutive years.

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