



SAVING THE PLANET ONE LANDFILL AT A TIME

11th Annual LMOP Conference and Project Expo

Hyatt Regency Capitol Hill

Washington, DC

January 9–10, 2008

Speaker Biographies

Amy Banister

Ms. Banister has a Bachelor's Degree in Geology from Hope College in Holland, Michigan. She has more than sixteen years of experience in air quality consulting, project management, regulation development and planning, as well as air emissions trading and corporate environmental program implementation. She is currently responsible for directing air program activities at Waste Management, which includes developing corporate policies and standards and training programs for application at Waste Management North American facilities. Ms. Banister is also responsible for coordinating corporate climate change initiatives and assisting with regulatory advocacy for air issues pertaining to Waste Management and the solid waste industry. Prior to joining Waste Management, Ms. Banister was Senior Project Manager with Shaw Environmental and Infrastructure for approximately seven years. She was responsible for managing air permitting and reporting projects for MSW Landfill clients located in the Midwest. From 1990 to 1998, Ms. Banister worked as an Environmental Quality Analyst at the Michigan Department of Environmental Quality, Air Quality Division. She was responsible for developing and implementing new rules and regulations as part of regional ozone planning initiatives as well as voluntary statewide emissions reduction credit trading. Ms. Banister is Co-Vice Chair of SWANA's Rules and Regulations Committee for the Landfill Gas Technical Division and represents Waste Management on the Solid Waste Industry for Climate Solutions coalition.

Paul Burkett

Paul Burkett is a shareholder with the Concord, NH law firm Rath, Young and Pignatelli, P.C. His practice focuses on federal and state tax matters, including business transactions, business formation and tax compliance, tax legislation, and tax audits. He has represented energy project developers and investors in structuring renewable and alternative energy projects to capture the benefits provided by federal tax credits. Prior to joining Rath, Young and Pignatelli in 2007, Paul spent 7 years with the Washington, DC law firm Hogan & Hartson, L.L.P., where he represented clients in international and domestic tax planning, as well as advising clients in significant federal and state audit matters. In addition, Paul was a corporate and securities lawyer and represented several companies in initial public offerings and other transactions. Paul has a B.S. in English from the United States Naval Academy and a J.D. from the University of Virginia School of Law.

Jeff Cook

Jeff has a B.S. and M.S. in chemical engineering from Case Western Reserve University. He is a registered professional engineer in the state of Ohio. He has worked as a chemical engineer in the area of gas processing at Acrion Technologies for the past 17 years. Jeff is the Vice President of Acrion. He is co-inventor of the patented CO₂ Wash® process for landfill gas cleanup. He is currently involved in commercializing the process to produce renewable transportation fuels from landfill gas.

Colin Covington

Mr. Covington is General Manager for Three Rivers Solid Waste Authority (TRSWA). TRSWA is a political subdivision of the State of South Carolina, incorporated in 1992 to provide solid waste management services for nine counties and the Department of Energy's Savannah River Site. As a private consultant, Mr. Covington wrote the first Regional Solid Waste Management Plan for TRSWA in 1992. He was Project Manager for the subsequent contract to select a site and permit the regional Subtitle D landfill. Mr. Covington set up the legal, financial, and operational framework for the regional landfill and ancillary operations. Mr. Covington has been employed by TRSWA since 1995. Additionally, he has over six years' experience as a private consultant plus four years as a research associate for the South Carolina Energy Research and Development Center. As a consultant, his areas of focus were municipal solid waste management and development of bio-based liquid fuels. He is a graduate of Clemson University and has a Master of Science degree in Environmental Engineering from Kennedy Western University.

Laura Dzamka

Laura Dzamka has a B.S. in Pulp & Paper Science and a Masters of Science in Applied Science from Miami University (Ohio). She has worked as an engineer at Kimberly-Clark for 33 years as a process engineer, research engineer, and environmental engineer.

Steve Gabrielle

As PPL Renewable Energy's Business Development Manager, Steve is responsible for developing and administering alternative energy programs for private, public, commercial and industrial customers. Programs have included landfill gas generation, biomass, wind, photovoltaic, fuel cell, microturbine and combined heat and power installations. Steve's role is to understand a customer's energy needs and provide a key interface between the client and PPL to develop renewable energy programs and projects that provide green energy, favorable economics and a positive community impact. This interface allows Steve to meet these needs through PPL's position as a full service energy provider. Steve's landfill gas to energy project with the Lancaster County Solid Waste Management Authority, Turkey Hill Dairy and the Pennsylvania Department of Environmental Protection received national recognition with the EPA Project of the Year award. His experience includes: establishing an alternative energy programs with clients such as Starwood Hotels, Macy's and Pepperidge Farm, developed leading edge fuel cell cogeneration projects, developed large scale photovoltaic/solar project, developed various landfill gas-to-energy projects, developing projects that include biomass, wind, photovoltaics and biogas, developed alternative energy projects in mid-Atlantic and Northeastern United States and he also has over 17 years of comprehensive utility and energy experience. Steve is a graduate of Lehigh University in Bethlehem, Pennsylvania and holds a B.S. in Electrical Engineering. He is a registered Professional Engineer (P.E.) in Pennsylvania and a Certified Energy Manager (C.E.M.) by the Association of Energy Engineers.

Robert Gardner

Mr. Gardner holds B.S. and M.S. degrees in civil engineering from the University of Virginia. He has been with SCS Engineers since 1980. He is a Senior Vice President and oversees SCS's solid water management practice. His expertise is in solid waste management and environmental engineering, having designed landfills, leachate management systems, landfill gas collection, control and recovery systems, and other related solid waster projects on sites throughout the United States and abroad. Mr. Gardner has served as an instructor for various landfill design courses, with special emphasis on leachate management and landfill gas control and recovery. He is board certified in solid waste management with the American Academy of Environmental Engineers, where he serves as Chairman of the solid waster management specialty test committee. He is active in SWANA and NSWMA, where he serves on various committees relating to landfill and landfill gas issues and makes frequent presentation at their respective conferences. He also serves on the Research Council for the Environmental Research and Education Foundation and has authored various papers and articles on a wide range of solid waste topics.

Hillary Glover

Hillary Glover has a B.S. in Earth and Environmental Science and an M.S. in Plant, Soil, and Environmental Science from North Carolina A&T State University. She works for US EPA's Office of Air Quality Planning and Standards – Coating and Chemical Group. The CCG is responsible for directing the national program to reduce air emissions associated with sectors and works collaboratively with stakeholders to identify opportunities for cost effective strategies to reduce emissions of both toxic and criteria pollutants. Ms. Glover is the project lead for municipal solid waste landfills regulations. Prior to joining OAQPS in Research Triangle Park, Ms. Glover worked for several EPA offices in Washington, DC. Those offices included: the Office of Water: Office of Science and Technology, the Office of Policy Economics and Innovation: Office of Environmental Policy Innovation, and the Office of Atmospheric Programs: Alternatives and Emissions Reduction Branch.

Brian Guzzone

Brian is Team Lead of the U.S. Environmental Protection Agency's Landfill Methane Outreach Program (LMOP), a voluntary technical assistance and outreach program that encourages methane emissions reductions through the recovery and beneficial use of landfill gas. Brian's primary role is to facilitate landfill gas energy projects, both domestically and internationally. Brian works to create alliances between the EPA and states, communities, energy users and suppliers, landfill owners and operators, financial institutions, and the landfill gas industry. Brian also provides technical assistance by helping landfill owners find beneficial end uses for the landfill gas, and by providing other specialized assistance at all stages of the development process. Brian has been with LMOP since 1999. Prior to joining LMOP, Brian was Technical Divisions Manager for the Solid Waste Association of North America (SWANA) since 1994. He was responsible for coordination and oversight of activities for SWANA's seven Technical Divisions, including regulatory and legislative analysis, delivery of specialty symposia, awards programs, newsletter production, and management of two program managers and interns.

Jason Hoyle

Jason W. Hoyle is currently a research analyst specializing in economic development . He holds a B.S. in mass communications/journalism and an MBA from Appalachian State University. Currently in his fifth year at the Appalachian State University Energy Center, **he works on a variety of projects related to energy and economic development, including a statewide program to generate economic development from landfill gas, the NC Fuel Cell Alliance and other international fuel cell initiatives, and other work focused on the state's potential to develop and manufacture renewable energy and energy efficiency technologies. As part of the Energy Center's landfill gas project team, he provides economic analysis and project development support to the project's county partners. Some notable accomplishments of his include: publishing the /NC Economic Developer's Guide to the Renewable Energy Industries/, co-founding the International Hydrail Conference (hydrogen trains), assisting in the creation of the Western North Carolina Economic Index, and supporting the establishment of the Northwest North Carolina Advanced Materials Cluster Initiative. He has also spent several years working as a journalist and public relations specialist in North Carolina.

Mark Hughes

Mark Hughes is a Senior Product Application Engineer for Solar Turbines in San Diego, California. In that role he specifies and develops tools to assist salespeople in developing projects that include scope outside of Solar Turbines equipment, reviews vendor offerings, and assists in the coordination of wide-scope projects. Previous to this position, he served in the Controls Development group, designing and testing control systems for Solar's new and experimental turbines. Prior to joining Solar Turbines Incorporated, Mr. Hughes worked in the utility and industrial power generation field, graduating at a mechanical engineer from Kansas State University in 1979. This experience ranged from startup of 700+ MW coal fired utility power stations to 100,000 lb/hr fluidized bed boiler startup and development. This portion of his experience was gained while employed with Babcock and Wilcox, Kansas City Power and Light, and Pyropower Corporation (now Foster-Wheeler).

Laura Ellen Jones

Laura Ellen Jones is a tax partner at Hunton & Williams LLP whose practice focuses almost exclusively on energy tax credit matters. Laura has represented numerous clients in section 29/45K and section 45 tax credit transactions involving landfill gas, synthetic fuels, coke, wind, open-loop biomass, geothermal, waste-to-energy, and refined coal facilities, including the purchase and sale of facilities, and the structuring of commercial arrangements for the operation of the facilities. Recently, Laura has represented clients in several transactions involving section 48 tax credits for solar facilities. She has also represented clients in connection with applications for an allocation of section 48A and 48B tax credits for IGCC and gasification projects and in connection with projects producing alternative fuels from coal and biomass. She has also assisted clients in connection with the application for, and issuance and purchase of Clean Renewable Energy Bonds. In addition, Laura has obtained numerous private letter rulings from the IRS on various energy tax credit transactions. She also has represented clients in connection with IRS audits and reviews, federal legislative matters and Congressional investigations relating to energy tax credits. The past three years, Laura was voted among "The Legal Elite," Virginia's Top Lawyers in Taxes/Estates/Trusts, in *Virginia Business* magazine. Laura received a J.D. from Georgetown University Law Center in 1998 and a B.A. in Foreign Affairs from the University of Virginia in 1991.

Scott Keeley

Scott received a BSME from North Carolina State University. He has a diverse energy background and worked for several different energy companies such as GE, Duke Energy, and Dominion Resources. His focus has been on alternative energy for the last 8 years with a concentration in landfill gas project development. In addition to landfill gas projects Siemens will develop a variety of waste to energy projects such as the waste carpet gasification project in Dalton Georgia.

Andrew Kolchins

Andrew Kolchins is a Director, Renewable Energy Markets for Evolution Markets LLC. Working from Evolution Markets' White Plains headquarters, Mr. Kolchins leads the company's brokerage services focused on facilitating trades in the compliance driven state renewable energy certificate (REC) markets in the Northeast and Texas, providing expert brokerage service to renewable energy project developers, green power marketers, traders, utilities, and end users. With extensive structured transaction and energy markets expertise, Mr. Kolchins serves customers in regional compliance REC markets. He will also seek to leverage environmental credit markets to coordinate renewable energy project finance, facilitating an overall increase in regional renewable energy capacity. Mr. Kolchins joins Evolution Markets from Green Mountain Energy where he built and managed the sales team for Sunshine Energy, a premium program for Florida Power & Light (FPL) that allows residential customers of FPL to purchase a cleaner form of electricity for the grid. Before working with Green Mountain, he served for seven years as a broker of natural gas swaps, options, and physical basis trades for a handful of institutional brokerage firms. Mr. Kolchins also assisted in the development and marketing of Bloomberg's online energy trading platform, PowerMatch™.

Doug Lamb

Doug Lamb is a public finance associate at Hunton & Williams LLP whose practice focuses on debt financing, including tax-exempt bonds, tax credit bonds and taxable transactions. Doug primarily represents corporate entities as bond and special borrower's counsel, including over \$1.25 billion since 2000 for solid waste projects in over 30 states. He has structured a variety of private activity and governmental bond transactions involving local, regional and state entities and instrumentalities, including variable and fixed rate debt, current and advance refundings, enhanced debt backed with bond insurance and letters of credit and loans secured with mortgages, leases and pledges of revenues, appropriations, general taxing powers and special assessments. The related projects consist of facilities for solid waste collection and disposal, recycling, manufacturing enterprises, public and private colleges and universities, continuing care and retirement communities and traditional governmental infrastructure, including schools, highways and toll roads, utilities and jails. In many cases, Doug has developed special purpose entities, created regional and multi-jurisdictional governmental arrangements and authorities and negotiated and drafted the underlying lease, development, public-private partnership and inter-jurisdictional agreements. Doug received his J.D. from The T.C. Williams School of Law at University of Richmond in 1998, and his B.A. in History from Washington and Lee University in 1993.

Adrian Loening

Mr. Adrian Loening is a qualified Engineer with over 25 years experience of a wide range of renewable energy technologies. He has worked in the field of Renewable Energy since 1980 starting as a technician at the Edinburgh University Wave Power Research Group. He has an honours degree in Engineering Design and Appropriate Technology from the University of Warwick, England and is a Member of the Institute of Diesel and Gas Turbine Engineers. Having worked in the field of Wave Power, Solar Refrigeration and Solar Heating and Hydro Energy he began working in the landfill biogas industry in 1990. Following ten years in the manufacturing of landfill gas and leachate control equipment, during which he undertook the design, installation and operation of more than 30 LFG flaring and power generation projects in the UK. Mr Loening developed the consortium of International companies that invested in the first landfill gas project in Monterrey, Mexico, partially funded by the World Bank Global Environment Facility. Mr. Loening is currently a Director of Carbon Trade Ltd., which was formed in 2000 to provide technical and commercial consultancy to renewable energy projects developed under the Clean Development Mechanism. During the period from 2000 to 2005 Mr. Loening has assessed the LFG potential of over 100 landfill sites in 10 different countries. This work included a major study of the Landfill Gas to Energy potential for Scotland commissioned by the Scottish Executive and the recent Methane to Markets study program of five landfill sites in Ecuador.

Christina Magerkurth

Ms. Magerkurth is Manager of Midwest Operations for First Environment, Inc. and has worked in the environmental field for over ten years. She has a B.S. in Engineering and Applied Science (specializing in Environmental Engineering) from the California Institute of Technology and a Masters of Engineering in Engineering Management from Cornell University. Since joining First Environment, Ms. Magerkurth has been integrally involved with environmental auditing, developing baselines for and verifying facility and company wide greenhouse gas emissions, and developing, implementing and auditing environmental management systems. In addition, she has been an active member of teams providing regulatory support, site investigation and remediation, and expert testimony. Ms. Magerkurth has experienced both sides of estimating greenhouse gas emissions. She has assisted First Environment and clients in developing protocols for estimating greenhouse gas emissions in addition to providing verification services. Through her experience, Ms. Magerkurth is familiar with the WRI / WBCSD GHG Protocol, the Chicago Climate Exchange protocols, the California Climate Action Registry Reporting Protocol and offset project protocols, the Voluntary Carbon Standard, EPA Climate Leaders, and the ISO 14064 Standard, which focuses on the quantification, monitoring, reporting, validation and verification of entity and project level GHG emissions and removals. In addition, she serves on the Chicago Climate Exchange Landfill Offset Project Technical Committee.

Scott Mengle

Scott Mengle has a B.S. in engineering management from the Wilkes University and is currently working on a Masters Degree in Public Administration from West Chester University. He has worked in the solid waste industry for 12 years serving in various capacities. Scott Mengle is currently employed by the Southeastern Chester County Refuse Authority as an Administrative Supervisor. He resides in Exton, Pennsylvania, is married and has a daughter.

Sean Mezei

Sean has a B.S. in chemical engineering from the University of British Columbia and an MBA from Simon Fraser University. He has been involved in the gas processing and water treatment fields for over 15 years. Sean joined QuestAir in 2001, and was involved in QuestAir's first LFG upgrading working at the Hartland landfill near Victoria BC in 2002 and every QuestAir LFG and biogas project thereafter. Prior to joining QuestAir, Sean worked for Nalco Chemicals and Exxon.

Luke Morrow

Luke Morrow has a B.S. in Mechanical Engineering and an M.B.A from Texas Tech University. He has worked in the natural gas treating and processing industry for over 13 years, with over 8 years experience in high BTU treating for landfill gas and landfill gas gathering. He has worked to develop four-landfill gas to high BTU projects in Kansas, Arkansas, Louisiana, and Texas. Luke is President and co-owner of SouthTex Renewables, a partner company of Southtex Treaters. He is actively involved in project development, gathering design, plant design, and product marketing for each of the high BTU site operated by SouthTex. He has been a round table participant and speaker for SWANA on the future of high BTU landfill gas treating, and is a participating member of LMOP.

G.R. O'Mahony

Mr. O'Mahony leads the project design and construction effort for Montauk Energy Capital and oversees operation of a number of their operating facilities. He is a degreed engineer with technical certifications and has a long history with all major landfill and biogas treatment processes. He managed the design, construction, commissioning and operation of the first, domestic landfill gas treatment plants employing high-pressure membrane technology. These plants produce pipeline quality gas injected into the natural gas utility system. Mr. O'Mahony has over 35 years of broad business and management experience, including project development, contract negotiation, construction and the commissioning and operation of projects worldwide.

Robert Priola

Robert Priola is a Senior US Client Manager, based in EcoSecurities' New York office. Priola has extensive experience in the areas of carbon finance, emissions trading and renewable energy, with an emphasis on sourcing carbon offset projects both in North America and internationally under the Clean Development Mechanism (CDM) of the Kyoto Protocol. Priola joined EcoSecurities in early 2006, and managed many projects developed and registered under the CDM. Prior to joining EcoSecurities, Priola worked with the Scripps Institute of Oceanography and spent time in the US Peace Corps working on International Development. He holds a Master's degree in Management and Environmental Science from UC Santa Barbara and a Bachelor's degree in Environmental Science from UC San Diego.

Jim Schretter

Beacon Landfill Gas Holdings LLC, James Schretter, Executive Manager. Mr. Schretter is a principal and board member in BLGH. He has formed multiple new energy venture firms and has been active in both renewable and conventional generation. Over the past 20 years he has advised or assisted in the development of 15,000 MW's of power projects, 5 Tcf of gas supply contracts and served as lender's or developer's expert on more than \$5 billion in project financings. In the 90's he was instrumental in forming a trade association for fuel managers of power projects and in 2002 he was recognized by World Generation for his industry leadership activities. He has a BSME from MIT and an MBA from the University of Virginia.

Alex Stege

Alex Stege has a B.S. in Geology from Tufts University, an M.A. in Physical Geography from UCLA. He has 21 years of professional experience in environmental research and consulting, including 17 years at SCS Engineers. Over the past 11 years, Mr. Stege has supported the LMOP, World Bank, International Finance Corporation, and landfill gas project developers in the evaluation of the feasibility of landfill gas utilization projects. As SCS Engineer's landfill gas generation and recovery modeling expert, he has prepared hundreds of landfill gas recovery projections, and project assessment, due diligence, or pre-feasibility reports for landfills in the U.S. and throughout the world. Mr. Stege was the author of the LMOP's Central America Landfill Gas Model and is currently the Chairman of the Landfill Gas Generation and Modeling Committee for the Solid Waste Association of North America.

Abbie Webb

As an Environmental Analyst for Casella Waste Systems, Inc., Abbie carries out policy analysis, model development, and project evaluation in the areas of global climate change mitigation, emissions trading, and other environmental policy initiatives. She manages the Company's participation in the various Federal and State voluntary greenhouse gas reduction programs. Prior to taking on this role, Abbie worked as Environmental Compliance Coordinator for Casella's western region, facilitating and monitoring the region's compliance with federal, state, and local environmental regulations and requirements. Abbie holds a BS in Environmental Planning from Colgate University and is pursuing a Masters degree in Environmental Planning from Cornell University.

Scott Werkheiser

Scott Werkheiser has an Associate degree in Architectural Engineering Technology and a B.S. in Environmental Engineering Technology from Penn State University. He worked 10 years as a sanitary engineer and air quality engineer for the PA Department of Environmental Protection. He has 5 years experience as a compliance and site engineer at three Pennsylvania solid waste landfills. Scott Werkheiser is currently employed by the Greater Lebanon Refuse Authority as a Staff Engineer. He is responsible for the development of the landfill, gas collection system, leachate collection system, and project management of the working landfill. He also is responsible for the permitting and compliance requirements. He has served on the National Pollution Prevention in the Permitting Process Committee for the printing industry and currently serves on a joint committee comprised of PADEP Air Quality staff and representatives from the Pennsylvania Waste Industry Association. This committee focuses on the impact of air quality regulations on the waste industry in Pennsylvania.

Ed Wheless

Mr. Wheless has a B.S. in Aerospace Engineering from the University of Texas at Austin. He has worked as a mechanical engineer for over 32 years at the Los Angeles County Sanitation Districts in the fields of wastewater treatment and solid waste disposal. Mr. Wheless is currently in charge of developing the Districts' biomass and biogas resources, procurement of natural gas and electricity, and managing the energy efficiency program. Current projects include the development of landfill gas fired gas turbines, micro-turbines and a fuel cell and digester gas fired micro-turbines. He is chairman of the SWANA Landfill Gas Division Utilization Committee and has served on advisory committees for the EPA, Western Governors Association, City and County of Los Angeles, and California Energy Commission. He has also authored over 20 papers on biomass/biogas or related topics.