



The Horinko Group's 2016 Summit

The Future of RCRA – Making the Business Case

October 26, 2016
Washington, DC



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The Resource Conservation and Recovery Act's (RCRA) regulatory and enforcement programs have accomplished a great deal over the past forty years. At its 40th anniversary, the RCRA statute stands to achieve much more. Looking forward, real progress will be made through collaboration with states, local governments, industry, academia, and communities. How can we capture the accomplishments of the past and leverage these results into a new, innovative, and productive enterprise? As U.S. EPA fashions its approach to RCRA 2040, we gather a community of experienced practitioners to exchange ideas and shape the debate about the future of this important program.

This year's Summit will focus on three critical elements: supply chain communication and materials management; operational improvements to everyday business under RCRA; and exciting new reforms to environmental cleanup from Lean practices to sustainable remediation. In partnership with EPA, state programs, and both public and private sector experts, we will share best practices and identify opportunities for innovation. As the next Administration gathers the reins, we will be positioned to recommend new initiatives for all participants to advance in concert.

On behalf of all of us at The Horinko Group –

To all participants, presenters, partners and sponsors, thank you all for your continued leadership in advancing protection of human health and the environment.

Thank you for joining us today!

Saluting Our Summit Supporters

The Horinko Group commends its 2016 Summit Partners, Host, and Sponsors for their generous support. Their leadership and acknowledgement of the importance of an inclusive dialogue benefits us all.

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*An informed community ensures a
sustainable future for us all.*

Agenda

REGISTRATION & NETWORKING LUNCH 11:45 – 1:00pm

OPENING REMARKS 1:00 – 1:15pm

The Opportunity Ahead

Marianne Horinko

President, The Horinko Group and former Acting Administrator, U.S. EPA

Dania Rodriguez

Executive Director, Association of State & Territorial Solid Waste Management Officials (ASTSWMO)

Michael Murphy

Co-Chair, Interstate Technology & Regulatory Council (ITRC) / Virginia Department of Environmental Quality

KICK-OFF REMARKS

Agency Perspective

1:15 - 1:30pm

Mathy Stanislaus

Assistant Administrator, Office of Land and Emergency Management (OLEM), U.S. EPA

PANEL ONE

Sustainable Materials Management: Lifecycle Approaches from Supply Chain Communication through Resource Recovery

1:30 - 2:30pm

Barnes Johnson (Moderator)

Director, Office of Resource Conservation and Recovery (ORCR), OLEM, U.S. EPA

Supply Chain Chemical Communication

Maria Doa, Director, Chemical Control Division, Office of Pollution Prevention and Toxics, Office of Chemical Safety & Pollution Prevention, U.S. EPA

Supply Chain Strategies

Clinton S. Boyd, PhD, Principal, Green Chemistry & Sustainability, Steelcase, Inc.

States' Roles in SMM

Mark de Bie, Vice President, ASTSWMO / California's Department of Resources Recycling and Recovery

Making Sustainable Design Decisions

Paul Yaroschak, President, Sustainable Methods, LLC and Former Deputy for Chemical & Material Risk Management, Office of the Deputy Under Secretary of Defense (Installations & Environment), U.S. Department of Defense

BREAK

2:30 - 2:45pm

PANEL TWO

Sustainable Operations: Innovative Approaches to Everyday Business under RCRA

2:45 - 3:45pm

Margaret Guerriero (Moderator)

Director, Land and Chemical Division, U.S. EPA Region 5

Permitting

Sonya Sasseville, Director, Program Implementation and Information Division, ORCR, OLEM, U.S. EPA

Enforcement

Greg Sullivan, Acting Director, Waste and Chemical Enforcement Division, Office of Civil Enforcement, Office of Enforcement and Compliance Assurance, U.S. EPA

State Perspective

Alexandra Dapolito Dunn, Executive Director and General Counsel, Environmental Council of the States

Industry Innovation

Mary Draves, Global Director, Environmental Remediation and Restoration, The Dow Chemical Company

BREAK

3:45 - 4:00pm

PANEL THREE

Innovations in Corrective Action Closure: Adapting the Toolkit

4:00 - 5:00pm

Bonnie Buthker (Moderator)

President, ASTSWMO / Ohio EPA

Remedy Optimization for Sustainable Cleanups

Carol Henry Emery, Principal, HSW Engineering, Inc.

RCRA FIRST/Lean

Don Lininger, Branch Chief, Waste Remediation & Permitting, U.S. EPA Region 7

GIS and Long Term Stewardship

Paul Gotthold, Associate Director Office of Pennsylvania Remediation, U.S. EPA Region 3

2020 and Beyond

Tammie Hynum, Hazardous Waste Subcommittee Chair, ASTSWMO / Arkansas Department of Environmental Quality

CLOSING REMARKS

Path Forward to RCRA 2040

5:00 - 5:15pm

Marianne Horinko

President, The Horinko Group and former Acting Administrator, U.S. EPA

NETWORKING RECEPTION

Reception Greetings

5:15 - 6:30pm

Kirsten Nathanson

Partner, Environment & Natural Resources Group, Crowell & Moring

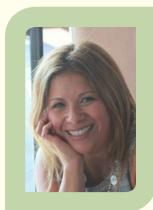
Executive Biographies

Opening Remarks



Marianne Horinko is President of The Horinko Group and former Acting Administrator, U.S. EPA. Ms. Horinko's expertise is in watershed-based approaches to cleanup and revitalization, corporate sustainability, and collaborative solutions to environmental outcomes through unique public-private partnerships. Prior to founding The Horinko Group, she served as Assistant Administrator for the Office of Solid Waste and Emergency Response at the U.S. Environmental Protection Agency from 2001 to 2004, and Acting EPA Administrator in 2003 between Administrators Christine Todd Whitman and Michael

O. Leavitt. During the first Bush Administration, Ms. Horinko was Attorney Advisor to Don Clay, EPA's Assistant Administrator for OSWER. Subsequently, she served as President of Clay Associates, Inc., a national environmental policy consulting firm, where she launched the RCRA Policy Forum. Ms. Horinko is an alumna of the University of Maryland, College Park (B.S. in analytical chemistry) and Georgetown University Law School (J.D.).



Dania Rodriguez is the Executive Director of the Association of State and Territorial Solid Waste Management Officials (ASTSWMO) in Washington, DC. She has twenty-two years of demonstrated national environmental experience with expertise in the field of technical, financial and policy development and a comprehensive knowledge of State and Territorial (States) environmental programs. For a number of years, she has served as the liaison between the States and numerous Federal Agencies such as EPA and DOD on important policy issues. As the Executive Director she runs the day-to-day operations of ASTSWMO.

This includes managing the Association's Budget, Cooperative Agreements, the ASTSWMO Staff, and providing support to the ASTSWMO Board of Directors. Prior to her career at ASTSWMO, Dania worked for the American Petroleum Institute (API). Dania received a B.A. in Political Science from Hood College in Frederick, Maryland, and an Executive Certificate in Nonprofit Management from the Georgetown University, McCourt School of Public Policy.



Michael Murphy is Director of the Virginia Department of Environmental Quality (DEQ) Piedmont Regional Office in Central Virginia. Mike's responsibilities include overseeing an office of 90-plus employees that administers Virginia DEQ's air, water, and waste management regulatory responsibilities in the Piedmont Region. Prior to being named the Piedmont Regional Director in April 2010, Mike served as the Director of Virginia DEQ's Division of Environmental Enhancement for over 15 years. Mike is a founding member of the Environmental Council of the States (ECOS) – Department of Defense Sustainability

Work Group. Mike was appointed to the ITRC Board of Advisors in 2009 as the State Association Representative and elected ITRC Board Co-Chair in 2012. Mike's second term as ITRC Board Co-Chair concludes in December 2017. Mike has a B.S. degree in Business Administration from Clarion State College in Pennsylvania and a Masters in Business Administration from Virginia Commonwealth University.

Kick-off Remarks



Mathy Stanislaus has served as the U.S. Senate confirmed Assistant Administrator in EPA's Office of Land and Emergency Management (OLEM) since June 2009. Mr. Stanislaus is responsible for EPA's programs on hazardous and solid waste management, contaminated site cleanup under RCRA corrective action, Superfund and federal facilities cleanup and redevelopment, Brownfields, oil spill prevention and response, chemical accident prevention and preparedness, underground storage tanks, and emergency response.

He is also leading the effort to transition from waste management to life cycle based materials management through the Sustainable Materials Management Initiative. Mr. Stanislaus represents the United States on the G7 Alliance on Resource Efficiency, which is comprised of the world's seven leading economies that are committed to sharing best practices of advancing resource efficiency. Mr. Stanislaus is a chemical engineer and environmental lawyer with over 20 years of experience in the environmental field in the private and public sectors. He received his law degree from Chicago Kent Law School and Chemical Engineering Degree from City College of New York.

Panel One - Sustainable Materials Management: Lifecycle Approaches from Supply Chain



Barnes Johnson is the Director of the U.S. EPA's Office of Resource Conservation and Recovery within the Office of Land and Emergency Management. Barnes' office leads solid and hazardous waste related programs at EPA and in particular implementation of the Resource Conservation and Recovery Act. This includes a focus on sustainable materials management with a particular focus on improving the management of food throughout its lifecycle. Barnes has been at EPA for over 33 years and brings a diverse background to his present position.

He has worked in a variety of EPA programs including radiation and indoor air, Superfund, solid and hazardous waste, policy, enforcement and water offices. Barnes has Masters Degrees in Wildlife and Fisheries Management and Applied Statistics.



Maria Doa, Ph.D., is the Director of the U.S. EPA's Chemical Control Division in the Office of Chemical Safety and Pollution Prevention. Ms. Doa leads activities for the assessment and management of a wide range of industrial chemicals and nanoscale materials under the Toxic Substances Control Act. She is the United States lead for the Organization for Economic Cooperation and Development Working Party on Manufactured Nanomaterials. Previously, she led EPA programs to reduce risk to lead, PCBs, mercury and asbestos. She also led EPA's Toxics Release Inventory Program – a key community right-to-know

program about toxic chemicals. Ms. Doa has a Ph.D. in Organic Chemistry from University of Pittsburgh and a B.S. in Chemistry from University of Michigan.



Clinton S. Boyd, Ph.D., is the Principal Scientist, Green Chemistry & Sustainability for the Global Sustainability Initiatives team at Steelcase Inc. Clinton works specifically on material and chemistry aspects of products across their life cycle, including materials innovation and exploration, product development & launch, and regulatory compliance. Drawing on his expertise in green chemistry, industrial ecology and sustainability, Dr. Boyd works with crossfunctional teams to innovate new materials and products that are sustainable and compliant to regulations on a global platform. Dr. Boyd has a PhD in Biochemistry from Rhodes University, South Africa. Before joining Steelcase, Clinton worked in academia as a research biochemist followed by ten years of experience as a consultant on green chemistry and sustainability.



Mark de Bie is California's Department of Resources Recycling and Recovery (CalRecycle) Deputy Director of Waste Permitting, Compliance, and Mitigation. Mr. de Bie has been with CalRecycle for 26 years and working in the solid waste field for over 28 years. He has been a manager for various program areas including Environmental Review, Permitting, Inspections, Enforcement, Policy and Regulation Development, and Training. Mark has been an active member of ASTSWMO for 17 years. He has served ASTSWMO as a Task Force member, the Region 9 Board Representative, Chair of the Materials Management Sub-committee, and is currently ASTSWMO's Vice President. Mark received his Bachelor of Arts degree in Biological Sciences from Humboldt State University and a Master of Science in Marine Science from California State University, Stanislaus (Moss Landing Marine Laboratories). He has an Integrated Waste Management Certificate from the University of California. Before working for the State of California, Mark worked in solid waste programs in Stanislaus County. Prior to his career in solid waste, Mark was a high school science teacher in California and St. Thomas, U.S. Virgin Islands. He also served as a Peace Corp Volunteer in Sierra Leone, West Africa.



Paul Yaroschak, P.E., is President of Sustainable Methods, LLC. Mr. Yaroschak has over 35 years of experience managing Department of Defense environmental programs. From 1991 to 2006, Mr. Yaroschak served as the Director of Environmental Compliance and Restoration Policy in the Office of the Assistant Secretary of the Navy (Installations and Environment). From 2006 to 2016, Mr. Yaroschak served as the Deputy for Chemical & Material Risk Management in the Office of the Secretary of Defense. In this position, he was instrumental in developing an award winning program to identify, assess risks, and develop risk management actions for emerging contaminants. In 2016, Paul joined The Horinko Group's extended team as Senior Advisor for Sustainability, Contaminated Site Cleanup, and Chemical Risk Management.

Panel Two – Sustainable Operations: Innovative Approaches to Everyday Business under RCRA

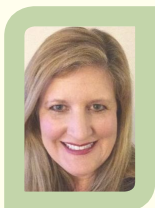


Margaret Guerriero is Director of the Land and Chemicals Division with U.S. EPA Region 5. She has overall responsibility for regional implementation of several EPA program areas including the Resource Conservation and Recovery Act (RCRA), the Toxic Substances Control Act (TSCA), the pollution prevention (P2) program, the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), Underground Storage Tanks/Leaking Underground Storage Tanks (UST/LUST) program, the Toxic Release Inventory (TRI) and the Emergency Planning and community Right-to-know Act (EPCRA). The division also has responsibility for the regional Children's Health program.

Sonya Sasseville is Director of Program Implementation and Information Division for EPA's Office of Resource Conservation and Recovery within the Office of Land and Emergency Management. Sonya has held this position since December 2012. The Division is responsible for the nationwide implementation of the hazardous waste permitting and corrective action programs under the Resource Conservation and Recovery Act (RCRA), working in conjunction with the EPA regional RCRA programs and the states; as well as the national implementation of the PCB cleanup and disposal programs under the Toxic Substances Control Act (TSCA). In addition, the Division is responsible for the RCRA tribal program, development of an electronic manifest system for hazardous wastes, and development of financial assurance regulations for hardrock mines under CERCLA Section 108(b). Prior to this, Sonya worked in Air Compliance, served as a technical expert on hazardous waste combustion, and held a variety of management positions in EPA's hazardous waste program. Sonya holds a B.S. in Chemical Engineering from the University of Pittsburgh.



Greg Sullivan is Acting Director of the Waste and Chemical Enforcement Division of U.S. EPA's Office of Civil Enforcement within the Office of Enforcement and Compliance Assurance. As acting Director, Greg leads a group of attorneys, environmental specialists, scientists, engineers and inspectors in the Waste and Chemical Enforcement Division. The Division is responsible for developing and implementing national policy for RCRA, FIFRA, TSCA, CAA section 112(r) and EPCRA/CERCLA civil administrative and judicial enforcement cases. The Division also directly assures compliance with, and initiates and resolves cases under, each of the above statutory areas. Prior to joining the Office of Civil Enforcement, Greg worked as an attorney and manager in the EPA Office of Site Remediation Enforcement coordinating Superfund and RCRA corrective action enforcement policy development and implementation. Prior to joining EPA, Greg worked on cleanup and long-term stewardship of the nation's former nuclear weapons facilities in the Office of Environmental Management, U.S. Department of Energy. Greg holds a B.A. from Western Washington University, in Bellingham, Washington and earned his law degree from the American University, Washington College of Law, in Washington, D.C., and is a member of the New York bar.



Alexandra Dapolito Dunn is the Executive Director and General Counsel of the Environmental Council of the States. Dunn has over two decades of experience in environmental law and policy, and presently works on legislation, policy, and regulatory matters affecting all media – including air, waste, water, and toxics. Dunn is a member of the bar in DC, MD, and NY, the U.S. Supreme Court, and federal courts. She is a past Chair and remains a leader in the American Bar Association's (ABA) Section of Environment, Energy, and Resources, chairing its World Justice Task Force. During its existence from 2011 to 2014, she served on the ABA Presidential Task Force on Sustainable Development. In 2015, she was made a Fellow of the American College of Environmental Lawyers. Dunn serves on the Executive Committee and Board of Directors of the Environmental Law Institute, is a member of the Circle of Champions of the non-profit U.S. Water Alliance, and is a Fellow of the American Bar Foundation. She is a Lecturer in Law at the Columbus School of Law, Catholic University of America (DC), an Adjunct Associate Professor of Law at the American University's Washington College of Law (Environmental Justice), and faculty advisor to CUA's Environmental Law Society. She earned her J.D., magna cum laude, at the Columbus School of Law, Catholic University of America (DC), and her B.A., cum laude, in Political Science and French, James Madison University, VA.



Mary Draves currently acts as the Global Director of Environmental Remediation and Restoration and Global Director of the Environmental Technology Center and Business Manufacturing Leader for the Environmental Operations Assets for The Dow Chemical Company. Draves also is the implementation leader for the Company's ambitious "Valuing Nature" sustainability goal, which aims to identify \$1 billion worth of value to Dow from projects that enhance nature. Mary has spent the majority of her 26-year career at Dow at the Midland Michigan Operations Manufacturing site where she has served as a Manufacturing Leader, a Division Maintenance Leader and the site's Reliability Services Leader. Draves holds both a Bachelor's of Science in Biology and Masters of Science in Technological Processes from Saginaw Valley State University in Michigan.

Panel Three – Innovations in Corrective Action Closure: Adapting the Toolkit



Bonnie Buthker became District Chief of the Southwest District Office of Ohio EPA in February 2012. Having been with Ohio EPA since 1989, Ms. Buthker has served as acting district chief, assistant district chief and has managed the Statewide program for the investigation and remediation of current and former Department of Defense sites in Ohio. In her role as District Chief, she is responsible for senior-level management and oversight of all technical programs administered in the district including the administration and implementation of division programs in Air Pollution Control, Drinking and Ground Waters, Environmental Response and Revitalization, Materials and Waste Management and Surface Water. Ms. Buthker has both a Master's and a Bachelor's of Science from Kent State University. She is also a graduate of Ohio EPA's Developing Excellence in Agency Leaders

Program. Ms. Buthker currently serves as President of the Association of State & Territorial Solid Waste Management Officials (ASTSWMO). She previously served as Chair of ASTSWMO's Federal Facilities Research Subcommittee from 2012 until October 2014 when she was elected to the role of Vice-President.



Carol Henry Emery is a principal and founder of HSW Engineering, where she leads strategic management initiatives for environmental remediation and closure of complex RCRA and Superfund sites across the country. She earned her Master's degree in Civil Engineering from Stanford University and her Bachelor's Degree in Environmental Sciences from the University of Virginia. Carol is a nationally-recognized expert in environmental compliance, sustainable remediation, and long-term stewardship. She was the Lead Instructor for EPA's National RCRA Corrective Action Course and co-chairs ASTM's Committee for the Standard Guide for Activity and Use Limitations with Institutional and Engineering Controls. She was recently invited to serve on an international committee for Remedial System Optimization.



Don Lininger serves as the Branch Chief for the Waste Remediation & Permitting Branch in U.S. EPA Region 7. The Branch is responsible for the RCRA corrective action and permitting programs, and for PCB cleanup and TSD approvals. Don has a Bachelor's Degree in Civil Engineering from the Missouri University of Science & Technology. He is a Certified Hazardous Materials Manager and is a member of the Alliance of Hazardous Materials Professionals.



Paul Gotthold is Associate Director of the U.S. EPA Region 3 Office of Pennsylvania Remediation. Paul has worked in, out, and through the RCRA Program since 1980, highlighted by 32 years at EPA. He directs cleanup and long-term stewardship activities at 387 sites under RCRA Corrective Action authorities. He works with both EPA and Pennsylvania DEP engineers and scientists to investigate and cleanup releases of hazardous waste. His favorite projects involve redevelopment because they move fast! He is a proud graduate of Rutgers University (environmental science) and a summa cum laude graduate in Mechanical Engineering from Drexel University.



Tammie Hynum is currently the Acting Sr. Operations Manager in the Office of Land Resources at the Arkansas Department of Environmental Quality (ADEQ) and currently serves as the chair of the Hazardous Waste Subcommittee of the Association of State and Territorial Solid Waste Management Officials. Since 1990, Ms. Hynum has served in many capacities within ADEQ such as a Hazardous Waste Inspector, Hazardous Waste Inspector Supervisor, Branch Manager, Division Chief, and Sr. Manager for the Waste Program areas. Prior to working at ADEQ, Ms. Hynum was employed by Burns and Roe at the Pine

Bluff Arsenal BZ Demilitarization Facility where she was in charge of the Quality Assurance and Quality Control of the on-site laboratory and maintained a Chemical Personnel Reliability Program security clearance. Overall, Ms. Hynum has over 28 years of experience in dealing with Hazardous Substances and Waste. Ms. Hynum holds a Bachelor of Science degree in Toxicology from Northeast Louisiana University in Monroe, Louisiana and has completed Master of Science studies in Environmental Engineer and Wetland Delineation. In May 2005, Ms. Hynum earned an Arkansas Governmental Manager certification as part of the Arkansas Public Administration Consortium associated with the University of Arkansas in Little Rock, and in May 2006, Ms. Hynum earned a National Certified Public Manager certification as part of the Arkansas Public Administration Consortium with the University of Arkansas in Little Rock.

Networking Reception Greeting



Kirsten Nathanson is a partner in Crowell & Moring's Environment & Natural Resources Group, focusing on environmental litigation, enforcement defense, risk assessment, and regulatory counseling under the major federal environmental and public lands statutes. She currently serves as a member on the firm's Environment & Natural Resources Group Steering Committee. Her litigation experience covers the Clean Water Act, Clean Air Act, Endangered Species Act, FIFRA, NEPA, SMCRA, RCRA, and CERCLA, encompassing citizen suit defense, regulatory challenges, remediation cost recovery and defense, Ad-

ministrative Procedure Act actions, and EPA enforcement. Kirsten currently serves on the Board of the Washington, D.C. Chapter of the Women's Energy Network and as co-chair of Crowell & Moring's Diversity Council. She has been recognized as a leading environmental lawyer in Washington, D.C. by Chambers and Partners USA (2013-2016).

A Brief Introduction to The Horinko Group



The Horinko Group is an environmental consulting firm operating at the intersection of policy, science, and communications. Founded in 2008, our firm has established itself as an innovator and a trusted, third-party convener. We have a proven track record of addressing complex natural resource challenges, while meeting the needs of the broader community.

The Horinko Group advocates for efficiency, sustainability, and holistic solutions based on cutting-edge science and sound business practice. We work alongside federal, state, and local governments, NGOs, and the private sector to achieve measurable results for our clients, partners, and the communities and markets in which they operate.

There are unique challenges and opportunities given the fiscal and regulatory uncertainty of these times. We assist all stakeholders in thinking strategically about these opportunities and capitalizing on the business advantages of sustainability.



Visit The Horinko Group at www.thehorinkogroup.org.





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