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LSPA March 2023 Membership Meeting March 14, 2023, 4:00 PM – 5:00 PM

Risk Assessment and Emergency Utility Workers – A Tale of Two Flowcharts

Instructor Biographies

Andrea L. Eagan, MPH, CHMM, Woodard & Curran. Ms. Eagan is a Project Manager and Principal at Woodard & Curran, Inc. in Canton, Massachusetts and has more than 20 years of experience working on risk assessment and corrective action projects in both the private and public sectors. Andrea earned a Master of Public Health (MPH) from Boston University and a Bachelor of Science in Environmental Geology from Boston College. She is also an IHMM Certified Hazardous Materials Manager (CHMM). Her primary areas of expertise include conducting human health risk assessments under the Massachusetts Contingency Plan (MCP) and managing environmental investigation and remediation projects in support of various federal- and state-regulated programs. Ms. Eagan's primary responsibilities include planning, coordinating, and implementing site investigation and remediation strategies involving hazardous materials. She has conducted work at sites impacted with petroleum, chlorinated solvents, perchlorate, polychlorinated biphenyls (PCBs), heavy metals, pesticides/herbicides, dioxin, and asbestos. Ms. Eagan has extensive experience preparing and implementing environmental sampling plans, compiling and analyzing data, conducting data usability assessments, completing fate and transport modeling, conducting quantitative risk calculations and vapor intrusion assessments, preparing technical reports, and risk communication. She also has extensive due diligence experience and has completed numerous Phase I and II Environmental Site Assessments for private investors, developers, and commercial and financial institutions.

Denise Kmetzo, MPH, DABT, Collaborative Risk Solutions LLC Ms. Kmetzo is the Principal of Collaborative Risk Solutions LLC, a consulting firm she founded ten years ago. She is an experienced health risk assessor and toxicologist with more than 20 years of consulting experience, and a background in academic and commercial laboratories. Ms. Kmetzo conducts complex risk assessments, models fate and transport of contaminants, evaluates chemical exposures, communicates potential for health risks, and performs product safety assessments. She has also served as an expert witness in legal cases. Ms. Kmetzo serves as a member of Toxic Use Reduction Act (TURA) Science Advisory Board and the LSPA's Regulations Committee.

Ms. Kmetzo is a graduate of Boston University's School of Public Health and Middlebury College, and a Diplomate of the American Board of Toxicology.

Dr. Jane Parkin Kullmann, PhD, DABT, WSP USA. Dr. Parkin Kullmann is a senior risk assessor at WSP USA in Chelmsford, MA, and a Diplomate of the American Board of Toxicology (DABT). She has more than 20 years of experience in environmental consulting, environmental engineering, and human health and ecological risk assessment. Dr. Parkin Kullmann has a PhD in epidemiology from the University of Sydney (Australia), a Master of Science in Environmental and Water Resources Engineering from Tufts University, and a Bachelor of Arts in Chemistry and Environmental Studies from Dartmouth College. She has been responsible for a number of risk assessment and Massachusetts Contingency Plan (MCP) compliance projects for sites including institutions, current and former industrial properties, residential properties and commercial properties. Dr. Parkin Kullmann has led risk assessments evaluating risk to multiple receptors from exposure to soil, sediment, surface water, soil gas, indoor air and groundwater for multiple state and federal programs.

Kristina McCarthy, MS, Haley & Aldrich. Ms. McCarthy is a senior risk assessor at Haley & Aldrich. She manages Haley & Aldrich's risk assessment work in Massachusetts. She has 15 years of experience in the environmental field, with a focus on human health risk assessment and regulatory and risk-based strategies for site closure under Massachusetts state regulations and guidance. She has a Master of Science in Environmental and Civil Engineering from Tufts University and a Bachelor of Science in Environmental Science from Suffolk University. She has led risk assessments evaluating risk to human and environmental receptors from exposure to soil, sediment, surface water, groundwater, and indoor and outdoor air. These evaluations have included a variety of contaminants attributed to sources resulting from historical activities, aerial deposition, surface and subsurface releases, and/or migration (groundwater and vapor) pathways.

Marie Rudiman, Senior Risk Assessor & Toxicologist, EnviroRisk Solutions, LLC. Ms. Rudiman leads her own risk assessment company, EnviroRisk Solutions, LLC, with 28 years of experience in the environmental consulting field providing human health and environmental risk assessment and toxicological expertise on a wide variety of contaminated sites under the MCP, as well as other state and federal regulations and guidance. She has managed and prepared numerous multi-pathway human health and environmental risk assessments for hazardous waste sites including current and former industrial properties, institutions such as prisons, Brownfields redevelopment projects, public park and playing field redevelopment, residential and commercial properties with a variety of impacts including petroleum hydrocarbons, PCBs, chlorinated solvents and other volatiles, metals, herbicides, pesticides, dioxin, and PFAS compounds. Ms. Rudiman holds a Bachelor of Science degree in Toxicology from Northeastern University.