



**EBC Solid Waste Management Webinar  
Landfill Post Closure Care, the Gift that Keeps on Giving**

Tuesday, September 29, 2020

**AGENDA**

- 9:00 a.m. **Welcome:** David Murphy, Chair, EBC Solid Waste Management Committee  
Vice President, Tighe & Bond
- Program Introduction & Overview – What You Will Learn**
- Thomas A. Mackie, Program Co-Chair  
Shareholder, Mackie Shea Durning, P.C.
- 9:20 a.m. **The Regulatory Perspective**
- Paul Porada, P.E., Program Co-Chair  
Technical Manager, Woodard & Curran
  - Greg Cooper, Director, Hazardous and Solid Waste Division  
Bureau of Air & Waste  
Massachusetts Department of Environmental Protection
- 9:45 a.m. **The Scientific Perspective**
- Jeremy Morris, Principal, Geosyntec Consultants, Inc.
- 10:10 a.m. **Networking Opportunity**
- 10:30 a.m. **Break**
- 10:40 a.m. **The Owner’s Perspective**
- David Moreira, Area Director, Environmental Legacy Management Group  
Waste Management
- 11:05 a.m. **The Path to a Functionally Stable Landfill**
- Kirstie Shurie, Project Manager, Tetra Tech
- 11:30 a.m. **Moderated Discussion**
- Moderator:** Paul Porada, Woodard & Curran
- 12:00 p.m. **Adjourn**

## PROGRAM CO-CHAIRS

**Thomas A. Mackie**, Shareholder  
Mackie Shea Durning, P.C.  
33 Bradford Street, Concord, MA 01742  
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Thomas A. Mackie is an environmental business lawyer. For over thirty-five years he has advised companies in the environmental industry and other businesses facing environmental issues. He handles facility siting, environmental and land use permitting, appeals, regulatory compliance, enforcement defense, liability and insurance coverage cases.

For industry leaders Mr. Mackie spearheads environmental due diligence in acquisitions, mergers and similar transactions. These projects regularly involve the evaluation of myriad environmental liabilities, permits and licenses.

Currently he is on the Board of the Environmental Business Council of New England, the Virginia Thurston Healing Garden and Keep Massachusetts Beautiful. He regularly presents at seminars on environmental law and regulation for the EBC, Boston Bar Association, Massachusetts Continuing Legal Education and other organizations. For the last fifteen years he has authored the chapter on "Massachusetts Solid Waste Law and Regulation" in the Massachusetts Environmental Law treatise published by MCLE.

Mr. Mackie graduated from Hobart College and earned his J.D., cum laude, from Suffolk University Law School. He is admitted to practice in Massachusetts and New York.

**Paul Porada**, P.E., Technical Manager  
Woodard & Curran  
41 Hutchins Drive, Portland, ME 04102  
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Paul Porada is a civil-environmental engineer consultant supporting both municipal and private clients on a wide range of water and waste issues.

During a 35-year career his engagement in water issues has included water quality modeling of rivers and estuaries to evaluate waste loadings; the analysis of wastewater outfalls; obtaining new or renewals of NPDES waste discharge permits; stormwater treatment system designs and flood map revisions. He is experienced with assisting municipalities in the planning, permitting, design and construction of new and expanded landfills, been involved in the closure of more than 20 landfills, and served as the engineer of record for a CERCLA landfill closure.

Paul's background is a bachelor's degree in Forestry Engineer from the University of Maine and career start in hydrology and hydraulics engineering working for the US Department of Agriculture, surveying rivers and building flood models. Presently he is licensed as a professional engineer in five states.

## SPEAKERS

**Greg Cooper**, Division Director, Hazardous & Solid Waste  
Bureau of Air & Waste  
Massachusetts Department of Environmental Protection  
One Winter Street, Boston, MA  
617.292.5988 | greg.cooper@mass.gov

Greg has over 20 years of experience working on solid waste issues in Massachusetts. He currently manages the Commonwealth's efforts on waste reduction, recycling, toxicity reduction, and composting. This includes running several financial and technical assistance programs and actively participating in solid waste policy and regulatory development.

**David Moreira**, Area Director  
Environmental Legacy Management Group  
Waste Management  
4 Liberty Lane West, Hampton, NH 03842  
603.929.5446 | dmoreira@wm.com

Mr. Moreira has 30 years' experience with Waste Management ensuring regulatory compliance, financial management and contractual coordination associated with the operation, monitoring and maintenance of the Company's closed landfills and impaired assets located along the Eastern seaboard. Closed landfills include both "pre" and "Subtitle D" facilities that are situated throughout the NE/NY/MidAtlantic area thru Virginia, as well as eastern Canada and certain assets in Texas and the UK. In addition to managing Solid Waste regulatory obligations, responsibilities include Air, Power Production, On-site liquids treatment, and associated Environmental Monitoring and Reporting. Mr. Moreira also manages the Company's remedial obligations at both Federal "Superfund" sites and State equivalents as well as pursuing beneficial re-use/brownfields opportunities that currently include solar farms and open space/recreational projects. Mr. Moreira is supported by three District Managers, four Landfill Operation Managers, two Landfill Supervisors, a Landfill Gas Technician and a Leachate Technician, ensuring the Companies facilities are effectively maintained in compliance with all applicable regulations.

Prior to his role as a Director, Mr. Moreira directly managed the daily activities at numerous closed facilities within ELMG East, as well as direct management of various remedial projects, ranging from air stripping, in-situ chemical oxidation, drum removal, final capping, leachate and landfill gas collection system installation and upgrades, as well as groundwater pump and treat.

**Jeremy Morris**, Principal  
Geosyntec Consultants, Inc.  
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Dr. Morris is an internationally recognized subject matter expert with 20 years of professional experience in solid waste management. Since joining Geosyntec in 2001, his project work has included leachate management and treatment, landfill gas management and utilization, design of alternative cover systems, beneficial redevelopment of historic waste sites, and renewable energy development at closed landfills and other industrial brownfield sites. His professional experience extends to solid waste facilities in over 25 states/provinces in the U.S. and Canada, as well as Europe, Latin America, the Caribbean, and Africa.

Dr. Morris' career focus is long-term landfill performance and post-closure care (PCC). He has served as lead investigator on several U.S. EPA research studies and written guidance on long-term performance of waste management facilities. He is the author of more than 65 technical publications. A regular participant at industry conferences, he is actively engaged in teaching and speaking at meetings and workshops for regulatory and profession associations. He serves on the Research Council for the Environmental Research and Education Foundation and the Task Group on Sustainable Landfill Management for the International Waste Working Group.

**Kirstie Shurie**, Project Manager  
Tetra Tech  
100 Crystal Run Road, Suite 101, Middletown, NY 10941  
845.695.0278 | Kirstie.Shurie@tetratech.com

Kirstie Shurie is a chemical engineer with 4 years of experience in the solid waste industry including the design, permitting, construction and environmental compliance of solid waste landfills. Her design experience includes leachate management and treatment design, hydrological analysis and stormwater management design, landfill gas generation modelling and treatment system design, and financial planning. Kirstie has used her background as a chemical engineer and applied her knowledge of compounds and treatment processes to the environmental field, specifically in the area of contaminants affecting leachate quality. She received her Bachelor's Degree in Chemical Engineering from Clarkson University.

## UPCOMING EBC PROGRAMS

### SEPTEMBER 2020

September 30: Update from the MassDEP Bureau of Water Resources Leadership

### OCTOBER 2020

October 1: Dam Management Webinar Series – Part One: Historical Dam Failures in New England

**October 2: Seventh Annual “Talking Trash” in Northern New England**

October 6: Update on Massport Program Priorities from Lisa Wieland, CEO

October 7: Emerging Contaminants Webinar – COVID-19 – An Environmental Perspective

**October 13: Connecticut Webinar – Annual Update on Solid Waste Management**

October 13: Ascending Professionals Committee Virtual Program Planning Meeting

October 15: Water Resources Webinar – Industrial Stormwater Permitting

October 16: New Hampshire Webinar – Advancing Sustainability and a Clean Energy Future

October 20: Climate Change Webinar – FEMA's BRIC Program

**October 21: Solid Waste Webinar – MassDEP Regional Solid Waste Section Chiefs**

October 27: A Panel Discussion with the 2020 EBC Ascending Leader Award Recipients

October 28: New Hampshire Offshore Wind Webinar – Gulf of Maine Collaboration

October 29: Rhode Island TSCA Webinar – PCB Clean-up in the Northeast

### NOVEMBER 2020

**November 2: Solid Waste Management Committee Virtual Program Planning Meeting**

November 4: New Hampshire Webinar – General Permit Coverage for Industrial Stormwater

November 5: Rhode Island Emerging Contaminants Webinar – PFAS Update

November 12: TSCA and Emerging Contaminants Virtual Program Planning Meetings

November 12: Ascending Professionals Webinar – Managing Risk – Environmental Insurance 101

November 13: 14<sup>th</sup> Annual Dredging Conference – Cleaning Up Past Contamination