



Director/Senior Environmental Chemist
cabel@augustmack.com

Chris serves as Director/Senior Environmental Chemist for August Mack. He has over 30 plus years of experience in environmental engineering, chemistry, and project management. He is familiar with a wide range of environmental regulations including RCRA, CERCLA, LUST, and USEPA Contract Laboratory Protocol. He has extensive experience with a variety of state led risk based closure programs. Chris has also performed and managed hundreds of residential, commercial, and industrial site assessments, site investigations, and remediation projects involving heavy metals, PCBs, petroleum, PFAS and emerging contaminants, and chlorinated solvents.

Project Experience

- Investigated hundreds of sites to determine the nature and extent of contamination. Contaminated media included soil, groundwater, sediment, surface water, vegetation, air, and building materials.
- Assessed hundreds of sites undergoing acquisition, divestiture, or refinancing including contaminated areas, wetlands, solvents, PCBs, lead-based paint, USTs, hazardous waste areas, radon, archeological/historical sites, wastewater discharges, air emissions, and cultural resources.
- Designed, managed, and implemented remediation and decontamination programs for numerous contaminated sites.
- Testified as an expert witness in several litigation matters via expert reports, interrogatories, affidavits, depositions, and courtroom testimony. These cases addressed allocation of costs for environmental investigation and remediation, the timing and sources of environmental releases, reasonableness of response costs, contaminant migration routes and pathways, and various other expert analyses.

Education & Certifications

- M.S. Environmental Science and Engineering, Colorado School of Mines
- B.S. Chemistry and Environmental Studies, Butler University
- 40-Hour Hazardous Waste Site Operations (HAZWOPER) Training, OSHA and current 8-hour refresher
- Alliance of Hazardous Materials Professionals
- Certified Hazardous Materials Manager, Master Level
- Professional Environmental Scientist - CO

Expertise

- Geological and Hydrogeological Investigations
- Expert Witness - Litigation Support
- Risk-Based Closure
- Remedial Planning and Estimating
- Due Diligence Investigations for Property Transactions
- Investigation and Remediation Cost Modeling

Professional Experience

August Mack Environmental, Inc.
Director/Senior Environmental Chemist
2023-Present

Vice President of Eastern Region Operations
2022-2023

Program Development Manager
2018-2022

Senior Environmental Chemist
2012-2018

Alt & Witzig Engineering
Senior Project Engineer / Chemist
2000-2012

Walsh Environmental
Laboratory Manager to a Project Engineer
1994-2000

Environmental Science & Engineering Group Leader - GS / MS Section
1991-1994