



Vice President of Technical Services

jberndt@augustmack.com

Jim is the Vice President of Technical Services at August Mack, and has more than 30 years of experience in the environmental industry. During his career Jim has managed hundreds of environmental projects for clients in the United States, Europe, and South America. His primary areas of expertise include site investigation, remediation, quantitative hydrogeology, and site management.

Jim's clients have included national and multi-national corporations, municipalities, regional companies and law firms. A significant portion of his work in the last 10 years has been in the area of litigation support related to environmental claims.

Jim has worked extensively with assessment and remediation of large groundwater plumes in complex hydrogeologic environments. He has a thorough knowledge of state and federal regulations pertaining to site cleanup and closure. He currently manages a team within the Indianapolis closure group which focuses on industrial site investigation and remediation.

Project Experience:

- Development of a cost-to-closure Cost Model for a large industrial facility being redeveloped under the Brownfields program. The modeled costs were used to support the buyer's position of the estimated liability associated with the site and resulted in substantial additional payment by the seller to the buyer.
- Provided nine days of testimony as an expert witness regarding groundwater flow and transport modeling of a TCE spill in northern Indiana. Testimony regarded the technical aspects of groundwater flow and chemical transport modeling and general experience in site investigation.
- Oversight of multiple investigations on behalf of insurance carriers. Responsibilities included critical analysis of proposed scopes of work, proposed and actual charges, evaluation of charges relative to usual and customary rates and evaluation of compliance with multiple regulatory agencies. Three-dimensional visualization of geologic units, groundwater flow patterns, contaminant plumes, and modeling simulation results at hazardous waste sites for a large rail yard in Kentucky.

Education & Certifications:

- M.S. Natural Resources, University of Wisconsin-Stevens Point
- B.S. Wildlife Biology/ Environmental Law, University of Wisconsin-Stevens Point
- 40-Hour Hazardous Waste Site Operations (HAZWOPER) Training, OSHA and current 8-hour refresher
- Licensed Professional Geologist, Indiana

Expertise:

- Hydrogeology
- Aquifer Test design and analysis
- Site Investigation
- Remedial Design and Implementation
- Groundwater Modeling
- Predictive Cost Modeling
- Construction Management
- Litigation Support
- Forensic Investigation

Professional Experience:

August Mack Environmental
Vice President of Technical Services
 2022-Present

Principal Hydrogeologist/Principal of Technical Services, 2017-2022

Senior Manager, 2013-2017

Creek Run, LLC
Senior Geologist, 2012-2013

Troy Risk, Inc.
Principal Hydrogeologist, 2008-2011

ECC Horizon, Inc.
Director (Midwest Region), 2007-2008

Mundell & Associates, Inc.
Principal Hydrogeologist, 1997-2007

ATEC/ATC Associates, Inc.
Project Hydrogeologist, 1989-1997