



CHRISTOPHER A. BOLIN, P.E.

EDUCATION:

M.S.E., Environmental Science and Engineering, Colorado School of Mines, Golden, Colorado, 1997
B.S., Environmental Geology, Southern Methodist University, Dallas, Texas, 1993

PROFESSIONAL LICENSE:

Professional Engineer: Colorado

PROFESSIONAL TRAINING:

40-Hour Training for Hazardous Waste Operations and Emergency Response (HAZWOPER)
8-Hour HAZWOPER Supervisor/Management Training

CURRENT PROFESSIONAL EXPERIENCE: 1998 - Present, AquAeTer, Operations Manager/Technical Director

Mr. Bolin is responsible for operations of the technical staff, technical quality, budgets, and personnel resources in AquAeTer's Denver Office. He serves as project manager on projects requiring RCRA RFI implementation and reporting, RCRA CMS report preparation and CERCLA Brownfield investigation planning, implementation and reporting. He serves as the project engineer on landfill design projects, hazardous waste facility improvement projects, and has supervised: removal of underground storage tanks, removal and disposal soil contaminated with petroleum and/or metals, and in-situ remediation of soil contaminated with volatile organic constituents. He has successfully negotiated risk-based closures at several industrial facilities with environmental media impacts.

Mr. Bolin was responsible for the design of over 10 million cubic yards of Subtitle C disposal space. His design strengths include evaluation of run-on/run-off controls, slope stability, leachate collection and recovery and leak detection systems, sump design, geosynthetic material properties evaluation, liner stability and stress evaluations, and final cover evaluations, including alternative final covers, waste settlement, slope stability, water and wind erosion.

Mr. Bolin specializes in regulatory compliance on the State and Federal levels. Mr. Bolin has been the project manager for numerous property transaction assessments and regulatory compliance due diligence assessments for hazardous waste management, industrial, and manufacturing facilities.

He also serves as technical director over AquAeTer's sustainability and Life Cycle Assessment projects and oversaw the preparation of six Life Cycle Assessments for the forest products industry and a Product Category Rule for North American Treated Wood Products. All of the LCAs were published in peer-reviewed technical journals.

PRIOR PROFESSIONAL INVOLVEMENT:

1997 Parsons Engineering-Science, Inc., Denver, Colorado, Project Coordinator
1996-1997 Advanced Sciences, Inc., Denver, Colorado, Project Consultant
1993-1996 AquAeTer, Inc., Brentwood, Tennessee, Project Geologist/Project Manager

AREAS OF EXPERTISE:

RCRA

Groundwater and Soil Impact Delineation, Risk-Based Evaluation, and Remediation
Compliance Monitoring and Reporting
Hazardous Waste Management
RFI Workplans and Studies
Corrective Measures Studies and Evaluation
Corrective Action Effectiveness Monitoring and Reporting
Closure Plans and Financial Assurance

Sustainability

Life Cycle Assessment
Corporate Sustainability Plans
Product Category Rules

Landfills and Geosynthetics

Hazardous Waste Management and Municipal Solid Waste Management
Landfill Design, Operations, and Closure
Slope and Liner System Stability Evaluations
Surface Water Management and Erosion Evaluations
Leachate Collection Design
Leak Detection, ALR, and Response Action
Alternative Final Covers and Lysimeter Design/Monitoring

Other

Phase I and Phase II ESAs
Property Assessment and Due Diligence Reviews
Regulatory Compliance Evaluations