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**CHRISTINA B. BROWN, P.E.**

**EDUCATION:**

B.S., Chemical Engineering, University of Colorado, Boulder, 1996

**PROFESSIONAL LICENSES:**

Professional Engineer, Tennessee

**PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS:**

American Institute of Chemical Engineers (AIChE)

National Society of Professional Engineers (NSPE)

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**CURRENT PROFESSIONAL INVOLVEMENT:** 2003 - present, **AquAeTer**, Project Engineer

Ms. Brown has 18 years of diverse experience in chemical and environmental engineering. Her current projects include environmental litigation support, environmental sampling, regulatory compliance, and environmental site assessments. She has been involved in air emissions, groundwater remediation, geomorphologic analysis, wastewater system optimization and upgrades, technical document preparation, bench and pilot-scale system testing, process modeling and optimization, process design and budget preparation. She also has five years of experience in radiological waste treatment and processing, including development of technical baseline documents for radiochemical processes. Her computer skills include programming in Visual Basic.

**PRIOR PROFESSIONAL INVOLVEMENT:**

2001-2002 Lucent Technologies, Atlanta, GA, Member of Technical Staff

1996-2001 Westinghouse Savannah River Company, Savannah River Site, Aiken, SC, Engineer

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**AREAS OF EXPERTISE:**

Air

Emission Calculations  
Air Emissions Modeling – WATER9

Environmental Investigation/Remediation

Groundwater Investigations  
Soil Investigations and Sediment Surveys  
Aquatic Toxicity Testing & Analysis  
Bench & Pilot-Scale Studies  
Chemical Kinetics Studies  
Fate and Transport Analysis  
Human Health Risk Assessment  
Site Conceptual Models  
Groundwater Remediation  
Bioremediation  
Design of Experiments  
Geomorphologic Analysis

Quantitative and Statistical Analysis

Analytical Method Selection  
Data Analysis and Validation  
Statistical Analysis  
Database Design & Management  
Results Applicability

Industrial

Chemical Processing  
Wood Treatment  
Nuclear Waste Remediation  
Chemical Hazard Analysis  
Solid and Liquid Waste Characterization  
Environmental Site Assessments  
Sara Form R Reporting  
Toxic Equivalency of Dioxins and Furans