



Robert D. Bartholomew, P.E.

Associate



Sheppard T. Powell
Associates, LLC

EXPERIENCE

Associate

2001-Present

Senior Engineer

1986-2001

EDUCATION

Bucknell University

B.S. Chemical Engineering

MEMBERSHIPS

American Institute Of Chemical
Engineers (AIChE)

American Society Of
Mechanical Engineers (ASME)

National Society Of Professional
Engineers (NSPE)

Pulp And Paper Technical
Association Of Canada
(PAPTAC)

Water Environment Federation,
Chesapeake Chapter (WEF)

Technical Association Of The
Pulp And Paper Industry (TAPPI)

Mr. Bartholomew has consulted for the electric utility, pulp and paper and cogeneration industries since joining Sheppard T. Powell Associates, LLC. He reviews steam/water cycle chemistry data for boilers and heat recovery steam generators (HRSG) for the power and pulp and paper industries and performs inspections of the water and steam sides of boilers, deaerators, condensers and associated equipment. He has provided analytical testing and consulting services during startups at cogeneration facilities and has temporarily served as station chemical engineer for an electric utility client. Other projects include steam purity studies, preparation of makeup water treatment specifications, training seminars and water and wastewater management evaluations.

Mr. Bartholomew has been involved with chemically cleaning steam generators, and cooling water systems. This experience has included assisting in determining the need to clean, selecting solvents, reviewing cleaning procedures, developing chemical cleaning specifications, planning and preparing for cleaning, and on-site consulting during cleanings.

Mr. Bartholomew has experience with cooling/ heating water and potable water systems in industrial and commercial buildings. This experience has included the preparation of chemical treatment specifications, review of chemistry data, test procedures and treatment methods, sampling and analysis of water samples, inspection of waterside surfaces, evaluation of corrosion and erosion, and the instruction of building engineers in chemistry testing.

Mr. Bartholomew was a principal investigator for the *Revised Guidelines For Makeup Water Treatment* and the *Guidelines For Chemical Cleaning Of Fossil-Fueled Steam Generation Equipment* - documents prepared for and published by the Electric Power Research Institute (EPRI). He has also authored and presented papers on makeup water treatment, cooling water treatment and recovery boiler water treatment. Mr. Bartholomew teaches the course on Recovery Boiler Water Treatment for the TAPPI Kraft Recovery Short Course.