



# 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 power, 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 has performed numerous 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, failure investigations for boilers (BTF), HRSG units (HTF), and condensers 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, hydraulic evaluations, 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 is currently active in the ASME Research and Technology Committee for Water & Steam in Thermal Systems and has served as an instructor for the TAPPI Recovery Boiler Water Treatment course since 2002. As of 2010, Robert Bartholomew has authored or coauthored over 30 technical publications including a number of EPRI guidelines and other documents on a variety of topics including chemical cleaning, makeup water treatment, boiler water treatment, failure investigations, startup, and cooling water treatment. At the 2009 International Water Conference, Mr. Bartholomew received the Paul Cohen award.