



# Frank P. Roma, P.E.

Staff Consultant



Sheppard T. Powell  
Associates, LLC

## EXPERIENCE

Staff Consultant  
2008-Present

## EDUCATION

Clarkson University  
B.S. Chemical Engineering

## MEMBERSHIPS

National Society Of Professional  
Engineers (NSPE)

New York State Society Of  
Professional Engineers (NYSSPE)

ASME Power Plant And  
Environmental Chemistry  
Committee (Past Member)

**M**r. Frank Roma recently joined STPA as a Staff Consultant. He will be involved in power plant water chemistry, chemical cleanings, and water system corrosion control.

Prior to joining STPA, Mr. Roma worked for New York State Electric & Gas (NYSEG) for more than 25 years. He was responsible for overseeing water chemistry at the power plants. This included developing cycle chemistry limits and procedures, training personnel, and inspecting boilers, turbines, condensers and deaerators. Mr. Roma co-authored the papers Colloidal Silica Removal by Anion Resin and Condenser Tube Life Extension Without Retubing.

**W**hile at NYSEG, Mr. Roma was also responsible for boiler chemical cleanings at a number of plants. He was charged with determining the need to chemically clean based on boiler tube deposit analysis results, participating in the preplanning efforts, contracting a cleaning vendor, and supervising the cleaning operation. Mr. Roma made the arrangements for off-site disposal of spent solvent and on-site treatment of select rinses.

**M**r. Roma developed a manual for the chemical and physical testing of a flue gas desulfurization process which produces high quality gypsum. His involvement extended to gypsum quality control and specification, testing, and the evaluation of suppliers of the high purity limestone used as a reagent.

Mr. Roma orchestrated the installation of potable water treatment systems at various facilities for the removal of volatile organics and iron and the reduction of corrosivity of nonmunicipal well water. All systems finished with UV or chlorination for disinfection.

**M**r. Roma was charged with the inspection and assessment of bulk chemical and petroleum storage at those power plants under NY regulations. This included site inspections, tank testing, and replacement evaluation.