



Meet James H. Forbes, Jr., P.E.!

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Tell us a little about you – how did you end up in this industry?

As I was ready to go out into the real world, my professor at the University of Nebraska convinced me to enter the “sanitary engineering” program in graduate school. After graduation I worked on 201 Facility Plans (those wonderful construction grant days...think what we could do with 75% grant funding now!!). I became the Infiltration/Inflow Analysis engineer with my high tech Manning Dippers. I have spent my entire professional career evaluating wastewater collection systems. Thirty plus years and still looking for that elusive I/I parasite, performing CMOM self-audits, SSES, SSO regulatory compliance and prioritizing rehabilitation recommendation.

Tell us about your company.

Pipeline Analysis, LLC is a specialty engineering firm that provides the field testing for consultants and municipalities. Our crews perform the field testing (flow monitoring, manhole inspection, smoke testing, map updating, CCTV inspection, etc) and make the preliminary recommendations for collection system renewal along with estimated costs. Wastewater collection systems are our only field of endeavor.

Why did you join NASSCO?

NASSCO provides a centralized point to obtain up to date information on rehabilitation methods, specifications and technical papers on industry trends.

What are the top challenges facing our industry?

- a. Adequately funding collection system renewal*
- b. Educating elected officials on the impact of aging infrastructure*
- c. Addressing private sector defects*
- d. Low cost Fats, Oil and Grease (FOG) programs for small and medium sized communities who have none*
- e. General lack of understanding on the mechanisms of infiltration/inflow and effective rehabilitation*

How should NASSCO help address this issue?

Continue to provide on-line access to published technical papers or provide an on-line source for authors to submit technical papers (not product or services advertising) on key topics including success stories.

How has being a NASSCO member helped your career or business?

Keeping up to date on current and developing technology and applications.

What else should other NASSCO members know about you? your business?

My two mentors at (McCullough Associates, Inc.) were Hubert L. McCullough who taught me to "PLAN, ORGANIZE, EXECUTE, COORDINATE AND CONTROL" and Charles F. Byrd, Sr. who taught me, "When it quits being fun, we'll go do something different"...well I have been having fun for many years in "sanitary engineering".