MWEA COLLECTION SYSTEM OUTREACH PROGRAM

ROLLA, MO - 01/29/2026

SPEAKER BIOS AND ABSTRACTS

1) David Jarrett

David Jarret has 33 years in the coatings industry working with prior coating manufacturers and as a coating business owner, with 9 years currently with Sherwin-Williams. He has used his NACE Certification for project development and technical support in the field as a Protective and Marine representative. He currently collaborates with owners and engineers supporting the Water and wastewater infrastructure for several states Arkansas, Kansas, Missouri, and Oklahoma. As well as supporting the sales team for coating recommendations, technical support, and site surveys. He is currently a committee member of Missouri -AWWA MAC, with memberships in Kansas-AWWA and Southwest-AWWA. He is also active in supporting the Rural Water Association in the states he covers.

Partnering with Owners, Engineers, Architects, Contractors and GC's he helps to achieve successful projects by providing specifications and recommendations for high performance architectural and industrial coatings. Water tanks, treatment plants, manufacturing plants, industrial facilities and specialty architectural projects are amongst his specialties with a very wide portfolio of projects and product knowledge.

TOPIC: Structural Manhole Rehabilitation

I & I abatement using structural epoxy liners.

Learning Objectives:

- Explore The challenges of coating above ground vs. below-grade.
- Learn the benefits and limitations of various lining technologies within the sewer collection system.
- Explore the features necessary for applied linings to successfully abate inflow and infiltration. (I&I)
- Understand what a structural epoxy liner is.

2) **Barry Howell**

Thirty-five years' experience in the public works, construction, and public utilities industry.

Areas of Expertise:

CCTV Analysis	Training, Technical Seminars, Webinars
Data Management	Proposal Development
Account Management	Technical Writing
Capital Planning	Presentations and Public Speaking
Specification Writing	Business Acquisition Analysis/Research

- Professional Experience:
  - ✓ Visu-Sewer, Inc. (2009 to present) Business Development: New territory development for corporate office and Visu-Sewer of Missouri LLC sewer rehabilitation and evaluation contractor. Duties include sales, specification writing, engineering analysis, marketing research, and business acquisitions.
  - ✓ KEG Technologies, Inc. (2003-2009) VP and General Manager:
  - ✓ Advanced Drainage Systems (ADS) (1997-2003) Sales Representative.
  - ✓ Entergy Corporation (1988-1996) Senior Project Manager.

- Education:
  - ✓ University of Mississippi – Bachelor of Business Administration, 1981.

TOPIC: CCTV Analysis of Collection Systems

A look at Sewer Evaluation Techniques and Nomenclature

What do all those codes mean?

- Should we use NASSCO Ratings"
  - What is PACP?
  - What do the codes mean?
  - What do those indices mean?
  - What is QSR, OPRI, JOL, AMH?
- If we bid this, how do we specify what is required?
  - Contractors?
  - Consulting Firms?
  - Other Sources

3) Jonathan Lyke

Jonathan provides data analysis, management, and mapping for flow monitoring projects. He brings extensive knowledge of both separated and combined sewer systems, I/I studies, flow monitoring data collection and analysis, GIS mapping, and drone operations. He is responsible for the investigation, installation, and maintenance of both the City's Smart Sensor network and Smart Sewer Program flow meters, which includes more than 360-meter sites across the city. He is NASSCO certified for LACP, MACP and PACP. He is proficient in Waterspout, ARCGIS (mobile/desktop/Pro), Flowlink Pro, Granite XP, HOBOware, Bentley Software (Pointools Connect Edition/MicroStationV8i), Cloud Compare, Autodesk-Revit, FloVENT Modeling, Google Sketch-up, and Microsoft Excel (LVL. DM) and Access.

Professional:
Project Manager, Smart Sensor Network 2022-Present
Project Manager, KOTR, 2022-2023
Project Lead, Smart Sensor Network, 2016-2022
Project Manager, Interconnect Meters, 2016-2021

Education:
B.G.S, Liberal Arts and Sciences, University of Kansas, 2015

TOPIC: Flow Monitoring FUNdamentals

This presentation will discuss the reasons for conducting flow metering. From pre to post rehab, inflow and infiltration, system capacity, model updates, city interconnections, and more.

OUTLINE

- Reasons to meter flow?
  - Pre/Post
  - I/I
  - System Capacity
  - Model
- Example Projects
- Lessons Learned
  - More is not always better
  - Planning
  - Never too late to adjust

4) Mark Gaines

Mark Gaines is an experienced sales and technical product specialist with a history of working in the Safety field specializing in personal protective products including Confined Space Equipment and Fall Protection Industry. Formally trained in OSHA fall protection standards and risk assessment, and Confined Space Equipment set-up and use. which enables him to train others in how to navigate high risk environments. Mark's 25 years of experience in the fall protection industry across various brands of products also allows him to bring insights and guidance into finding the best solutions.

TOPIC: Confined Space Entry

- 5 key requirements for confined space entry
- Best practice for atmosphere testing CO, H2S, O2 & LEL
- Confined Space entry and rescue equipment

5) Eric Seaman

Eric Seaman is a Senior Project Engineer for McClure Engineering. He has worked in the water field for over 30 years and was Wastewater Director at Jefferson City, Missouri for over 20 years. He has Missouri Professional Engineers License and a voluntary MWEA collections operator license.

TOPIC: Evaluating SSES Data to Determine Cost Effective I&I Solutions

Sanitary Sewer Evaluation Studies (SSES) are a time-consuming process. However, they reveal information critical for communities to renew and improve their infrastructure.

This presentation will show what valuable information can be obtained and how it can lead to the most cost-effective reduction in infiltration and inflow. Such as:

- It may be more cost-effective to address private I&I than public.
- If treatment and pumping costs are reasonable, is it better to store peak flows?
- How should you rate system reliability/maintenance as a non-cost factor?

Case Studies will include: Jefferson City, Missouri celebrated its bicentennial in 2025. It has had common, municipally maintained sewers for over 160 of those years. SSES's revealed a variety of information in that old system with varying solutions for each drainage basin.

6) Kevin Guy

Seasoned, hands-on operations/sales professional with 25 years of cross functional experience in manufacturing, distribution, and professional service companies including direct P&L responsibility. 16+ years focused on maintaining clean environments, optimizing water and energy use and improving operational efficiencies for customers. Known for ability to accelerate topline revenue and bottom-line growth trajectory through methodical continuous improvement processes that may include Kaizen, Lean Management, Business Process Reengineering, Sandler Training and other proven philosophies and practices.

Member of Engineers Club of KC, AWWA MO Section, MAC Committee, Missouri Water Environment Association

TOPIC: Filtration Options for Wastewater Treatment Applications:

- Conventional filtration
- Continuous backwash filtration
- Cloth media disk filtration
- SS media disk filtration
- Compressed media filtration

7) Ryan Poertner

Ryan Poertner is a General Manager of Ace Pipe Cleaning, Inc. and lives in St. Louis, MO. Ryan manages the St. Louis office, as well as the Cured-In-Place-Pipe division within APC. Ryan is directly responsible for the safety and quality of work for these divisions. Ryan's focus is on the growing market involving trenchless CIPP rehabilitation. APC is a leader in the industry providing all types of rehabilitation solutions for municipalities in need. Ryan has spent 20+ years working in the water and wastewater rehabilitation fields. Prior to the 13+ years currently with APC Ryan spent 8 years working for Insituform Technologies, Inc. in roles as Engineer, Trainer, Estimator, and Project Manager. Ryan is an active member of NASTT, NASSCO, WEF and local engineering organizations.

TOPIC: Sewer Lateral Connections Repair

Cured in place methods of eliminating I&I in service laterals.

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TOPIC: Cementitious Structural Rehabilitation of Sewers and Manholes

Cured in place methods of eliminating I&I in sewers and manholes.