MWEA COLLECTION SYSTEM OUTREACH PROGRAM 1/28/2025

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.

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) 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

SUMMARY

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
- BMcD Example Projects
  - KCMO
  - Joplin
- Lessons Learned
  - More is not always better.
  - Planning.
  - Never to late to adjust.

3) Barry Howell

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

Areas of Expertise:

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

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**

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.

Confined Space issues and Solutions

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

5) Joe Foster / Joe Schmidt

Biography: Joe joined Smith and Loveless in 2000 as a certified code welder and welded on various equipment for five years. Joe then moved to Foreman of the weld and fabrication department at Smith and Loveless and managed both departments for seven years. Joe has worked in Customer Service and managed the customer service and warranty department for over five years. Joe is currently Manager of Municipal Pumping Systems for Smith & Loveless. Joe received his bachelor's in

manufacturing from Pittsburg State University in 2004 and Joe also holds a degree in Master of Arts in Business Communication in Project Management.

Abstract: Course is designed to inform attendees on the basics of Above Grade station design, the options available and the intent of designs. This demo allows operators and engineers to see firsthand. Learn about the operational, safety and user-friendly benefits of above ground pumping systems. The trailer mounted pump station has been specially modified to give you the most in-depth look at how pumps work without leaving the conference. The demo trailer is presented as a design seminar to educate the changing workforce within the industry. New administrators, operators and designers are presented with how the above grade designs are selected, intent of design, goal of operations and desire of administrators.

6) **Kevin Guy**

Collection System Flow Monitoring

Flow metering with purpose.

SUMMARY

This short 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.

This presentation will discuss flow metering/measurement in open channel wastewater collection systems. Open channel flow basics are covered, as well as the reasons behind why this is done and the technologies that are typically used to do it.

OUTLINE

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

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 main 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 his 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.

A) Lateral Connections Repair

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

B) Cementitious Structural Rehabilitation of Sewers and Manholes

Manhole and sewer rehab methods and practices