

I&I elimiNATION

IDENTIFYING THE CAUSES, CONSEQUENCES, AND CORRECTIVE ACTION



Workshop Date: Monday, May 17, 2021



Location: Music City Center, Nashville, TN
Room: TBA

Agenda (as of Dec. 15, 2020)



Time	Topic	Presenter	
1:00-1:10	Welcome Why this event is important		Robert Carpenter Editor-in-Chief Underground Construction
1:10-1:20	Moderator		Don Rigby Logiball
PART A: The Cause & Consequences of I&I			
1:20-1:40	Asset Owner Perspective: What's working and why in Naperville		Tony Conn City of Naperville, IL
1:45-2:05	Consultant Perspective: Identifying the Problem--step one, step two--be proactive and holistic Does your collection system have I/I? How much? How does it compare to other systems' benchmarks? If your system has I/I problems, then what are the prospects for achieving measurable reduction with sewer rehabilitation? This presentation gives the results from measuring I/I in more than 500 collection systems in 9 states. Application of a simple 10-step approach for detection, targeting, rehabilitation, and follow-up		George Kurz, PE Independent Expert

	verification of effectiveness will be explained.		
2:10-2:30	<p>State (Tennessee) Regulatory Perspective: Moratorium Metrics and the Cost and Consequences of I/I</p> <p>The presentation describes the application of NPDES permit language unique to the State of Tennessee relative to self-imposed moratoriums and the metrics used to remove a permittee from a moratorium. The cost and consequences of I/I are also discussed using the evaluation metrics which include project life cycle cost analyses.</p>		Robert O'Dette, PE TN Department of Environment and Conservation
2:35-2:55	<p>Engineer Perspective: Design life, cost/value, execution is everything.</p>		Jim Shelton, PE ARCADIS
3:00-3:20 REFRESHMENT BREAK/PROFESSIONAL NETWORKING			
PART B: Corrective Action--TOOLBOX			
3:20-3:40	<p>Injection Grouting for Sealing the Collection System and Controlling Infiltration.</p>		Britt Babcock, PE Avanti International
3:45-4:05	<p>Devices to Mitigate I&I in Sanitary Sewer Manholes</p> <p>We will discuss a range of “devices” that can be used to stop inflow and infiltration in existing sanitary sewer manholes as well as prevent it in new manholes. These “devices” are proven to be cost effective and relatively easy to install for contractors and sewer maintenance personnel.</p>		Lee Haessig Cretex Specialty Products

4:10-4:30	MH Rehab—restore structure, protect against corrosion, water-tight for 30% source I&I		Jeremy Sukola Madewell Products Corp.
4:35-4:55	CIPP Lining of Mains & Laterals As part of the sewer rehabilitation toolbox, CIPP is one of many rehab technologies available. Deciding the proper course to rehabilitate a sewer pipe depends upon the problems found within. Cured-In-Place Pipe (CIPP) is a well-established pipe renewal process. This final segment will define what CIPP is, the different types of installation, and when this pipe rehab method would be preferred. Wrapping up the day's events, this segment will bring together the previously discussed technologies and how they relate to one another in the holistic approach to I&I elimination.		John Manijak Michels Corp
5:00-6:00	CLOSING COMMENTS & NETWORKING MIXER		

Note: Five minutes will be added to each session for panel discussions.

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