

NASTT's CIPP Good Practices Course Agenda



Opening Remarks – Introduction

Module 1 - History, Framework Overview & Product Classification

- Some History
- CIPP Framework
- CIPP Components
- Practical Classifications of CIPP
 - Product
 - Intended Service

Module 2a - Application Range & Building CIPP Programs

- Gravity vs Pressure Systems
- Host Pipe Overview & Practical Impact on Technical Envelope
- Typical Structural Failure Modes of Host Pipes
- Rigid & Flexible Pipe Design - Where does CIPP fit in?

Break

Module 2b - Application Range & Building CIPP Programs

- Types of Problems That CIPP Can Solve
- PACP to Rehab
 - Building CIPP Rehab Programs

Module 3 - CIPP Testing

- CIPP Framework
- Testing Objectives
- Type Testing
 - Liner Properties for Liner Design
 - Liner Compatibility with Waste Stream
- Construction Phase Testing
- Environmental & Implementation Safety Testing

Day One Adjourns OR Lunch



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Module 4 - Design Considerations for Gravity Pipelines

- Matching CIPP Design to Pipeline Problems
- Design Evolution: ASTM F1216 to ASCE MOP 145
- ASTM F1216 Appendix X1 & Other Design Methods
- Non-Circular Liner Design
 - Evolution of WRc Design to ASCE MOP 145
- Special Design Issues
 - Functional Design Features
 - Axial Design Issues including Seismic Design

Module 5a/b - Implementation & Verification of CIPP Projects

- Materials & Process Selection
- Environmental & Safety Aspects of Implementation

Break

Module 5c - Implementation & Verification of CIPP Projects

- Construction Phase
 - Pre-installation
 - Installation & Process Monitoring
 - Troubleshooting Typical CIPP Problems

Module 5d - Implementation & Verification of CIPP Projects

- Inspection & Verification
 - Inspection Tools
 - Quality Assurance & Quality Control Check Lists
 - Verification

Q&A Period and Closing Remarks

Course Adjourns