

# Trenchless Rehabilitation Technologies

## **Flexible Fabric-Reinforced Pipe (FFRP) and Spray-in-Place Pipe (SIPP) for Pipelines (Water/Force Mains/Wastewater)**

**Lunch will be provided by J.F. Creamer**

### Course Objectives:

- Gain a comprehensive understanding of various trenchless technology methodologies, including their respective capabilities and limitations.
- Evaluate and identify the most suitable, cost-effective, and sustainable rehabilitation solutions based on thorough asset assessment.

### Agenda:

8:00am – 8:30am (30 min)	Sign-in/Meet-and-Greet/Coffee
8:30am – 9:20am (50 min)	Flexible Fabric-Reinforced Pipe Technology – Session 1 ASTM Definition & Specification Materials & Design Suitability, Capabilities & Applications
9:20am – 9:35am (15 min)	Break
9:35am – 10:25am (50 min)	Flexible Fabric-Reinforced Pipe Technology – Session 2 Rehabilitation Process Overview Installation Procedures, Testing & Applications Examples FFRP Live Demonstration by Creamer Crew
10:25am – 11:15am (50 min)	Grab Your Lunch
11:15am – 11:45am (30 min)	Spray-in-Place Pipe Technology – Session 1
11:45am – 12:35 pm (50 min)	Spray-in-Place Pipe Process Overview & Application Guidelines Suitability, Capabilities & Applications
12:35pm – 12:50pm (15 min)	Break
12:50pm – 1:40pm (50 min)	Spray-in-Place Pipe Technology – Session 2 Installation Procedures, Testing & Applications Examples Wrap-up Q & A
1:40pm – 2:30pm (50 min)	Spray-in-Place Epoxy Lining Live Demonstration by Creamer Crew
2:30pm – 2:45pm (15 min)	Concluding Paperwork & Dismissal

### Instructors:

#### **Daniel Nowak – Project Manager**

Member of the JFC Trenchless Technology team with over eight years of comprehensive experience in project engineering and management. Specializes in Flexible Fabric Reinforced Pipe (FFRP) and Spray-in-place Pipe (SIPP) rehabilitation projects for water main and sewer utilities across New Jersey and beyond.

#### **Ahmed Hassan – Trenchless Technology Lead**

Member of the JFC Trenchless Technology team since October 2022, specializing in Flexible Fabric Reinforced Pipe (FFRP) and Spray-in-place Pipe (SIPP) projects. with over 25 years of experience in pumping systems for the water and wastewater industries.

### Date and Location:

**March 26, 2026 - J. Fletcher Creamer & Son, Joseph T. Walsh Leadership & Training Center, 4806 Route 33, Wall NJ 07753**

### Accreditation:

Certified for 3.5 Training Contact Hours for NJ-Licensed Water and Wastewater Operators. TCH Course Number: 04-082501-30

Certified for 3.5 Hours (Technical) for Certified Public Works Managers.

CPWM Number: DLGS-NJWA-291

**Registration is required and available at [www.njwater.org](http://www.njwater.org).**

**Please plan to arrive at 8:00 am.**

**\*\* Safety Shoes and Proper Workshop Attire are Required\*\***

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