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# CONCRETE PROTECTION ACADEMY

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**SEPTEMBER 17, 2024**

**DELTA HOTEL | 4409 DOMINION STREET | BURNABY, B.C.**

**8:30 - 9:00 a.m. Check-In & Continental Breakfast**

**9:00 - 10:30 a.m. Mike Rublaitus  
Titan Environmental, Technical Product Manager**

- Causes of microbial-induced corrosion in wastewater systems.
- Available corrosion protection technologies on the market.
- Design considerations related to groundwater and backpressure.
- Using HDPE liners for corrosion protection in precast pipe, chambers, wet wells, manholes, lift stations, and other precast structures.
- Using HDPE liners for poured-in-place structures such as chambers, digestors, and pump stations.
- Capturing the cost of infiltration in a wastewater system.
- Discuss the lined pipe and chambers for the Region of Peel diversion project.
- Rehabilitation of large existing structures experiencing corrosion.
- No dig / no excavate solutions for corroding manholes and underground pump stations.
- Fort Erie manhole rehabilitation case study.
- Designing concrete protection systems that last the structure's life with no long-term maintenance or replacement costs.

**10:30 - 10:45 a.m. Coffee Break**

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**10:45 a.m. - 12:00 p.m.**

**Ernie Heins**  
**AGRU America**

- The difference between ASTM and SKZ back pressure standards.
- How to interpret back pressure test results.
- Designing CPL for high back pressure scenarios.
- Address the difference between pull-out and backpressure testing.

**12:00 - 1:00 p.m.**

**Lunch**

**1:00 - 2:30 p.m.**

**Wayne Turner**  
**Turner Plastics Consulting**

- Basics of quality control for concrete protection liner installation
- Introduction to thermoplastic welding & fabrication, including extrusion welding, butt fusion welding, and hot air welding.
- Fabrication and installation of tubes for dry cast and wet cast applications.
- How to evaluate the quality and strength of a weld.
- Welding when moisture is present, what is acceptable and what is not acceptable.

**2:30 p.m.**

**Event Ends**

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