

Flushing and Sampling for Water Quality and Pipeline Maintenance

COURSE PART I (1 HOUR):

Sampling

- History of water quality
- Coliform Rule
- What are coliforms?
- How and where coliforms occur, and how they grow
- Why test for total coliforms
- Best-practice sampling procedures
- Selecting sampling sites

Flushing

- Justification
- Dead-ends
- Types of flushing
 - Conventional Flushing
 - Procedure
 - Pros and cons
 - Autoflushers

CLASS BREAK 15 minutes

COURSE PART II (1 HOUR):

- Unidirectional Flushing Campaigns
 - Definition

- Pros and cons
- Engineering
- Preparation
 - Engineering
 - GIS
 - Water Crew
- Execution
 - Engineering
 - GIS
 - Water Crew
- Follow-up, Lessons Learned
 - Engineering
 - GIS
 - Water Crew
- Case Studies
- Q & A, Discussion