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Water Leak Detection Course

Day 1

- 8:00a.m. Classroom work
- Introductions & Agenda
 - Basics of Leakage
 - System Assessment
 - Methods of Leak Detection
 - Fundamentals of Correlation
 - Measurement Exercise
 - Practice Correlation Exercise
- 9:30a.m. Coffee Break (15 minutes)
- 9:45a.m. Continue Classroom work
- Field Issues
 - Correlation Exercise
 - Sensor Exercise
 - Velocity Measurement Exercise
 - Multiple Pipe Type Exercise
 - Software Overview
 - Advanced Correlation
- 11:45a.m. Lunch break (1/2 hour)
- 12:15 p.m. Field Work
- Development of listening skills for leaks
 - Set-up Demonstration
 - Correlation Demonstrations- controlled environment
- 2:15p.m. Field Correlation Exercises- controlled environment
- 4:15p.m. Finish Day 1



Water Leak Detection Course

Day 2

- 8:00a.m. Classroom work
- Advanced Correlation reviewed
 - Frequency
 - Coherence
 - Filter Exercise
 - Practice Correlation using filters Exercise
- 9:30a.m. Coffee Break (15 minutes)
- 9:45a.m. Continue classroom work
- PVC/Large Diameter Pipes
 - PVC Correlation Exercise
 - Large Diameter Pipe Correlation Exercise
 - Other issues: PVC repairs; Loops
 - Troubleshooting- Causes & their Solutions
 - Correlation Exercises using various wave files provided
 - Case Studies
- 11:45a.m. Lunch break (1/2 hour)
- 12:15 p.m. Field Work
- Correlation Demonstrations- controlled environment for PVC and Large Diameter Pipes
 - Correlation Demonstrations- pipes with suspected leaks
- 2:15p.m. Field Correlation Exercises
- 4:15p.m. Finish Day 2