



Figure 1: Comprex® equipment on site

## Cleaning of municipal drinking water mains in Liechtenstein

### Task

- cleaning drinking water pipelines in the Principality of Liechtenstein using the Comprex® procedure
- removing of easily mobilised deposits
- eliminating problems with turbidity
- ensure performance

### Specifications

- nominal diameter DN 100 to DN 150
- total length 23,9 km
- materials cast iron, PE, fibre cement
- supply pressure up to 9,5 bar

### Cleaning using the Comprex® procedure

- mechanical cleaning procedure using water and treated compressed air supplied by Comprex® unit (Figure 1)
- cleaning in sections using different injection locations along the pipeline
- injection and discharge with adapter connections
- discharge of air and cleaning water with discharge bag (Figure 2 and Figure 3)
- inspection glass at discharge location for indication of cleaning progress (Figure 4)
- 2 technicians, 20 days on site

### Result of Comprex® cleaning

- deposits and large particles mobilised and discharged (Figure 3 to Figure 5)
- turbidity eliminated
- improved hydraulic properties
- performance restored



Figure 2: discharge bag



Figure 3: discharge location



Figure 4: inspection glass during cleaning

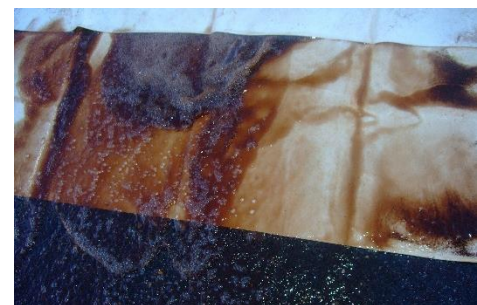


Figure 5: turbidity at discharge location during cleaning