



CASE STUDY: NORTHERN GREECE SEWER SYSTEM

| Case Study | SEWER SYSTEM |
|-----------------------|---------------------------|
| Location | Northern Greece |
| Target | Odour Control |
| Population Equivalent | 12.000 |
| Flowrate | 2.500 m ³ /day |
| Treated wastewater | Municipal |
| Project Initiation | 03/2017 |

| Parameter | Units | wwtp effluent legislation limits | Sewer System wastewater Average Values BEFORE the application of the Ydro Products (w.w.t.p. input) | Sewer System wastewater Average Values AFTER the application of the Ydro Products (w.w.t.p. input) | Reduction |
|---------------|-------|----------------------------------|--|---|-----------|
| BOD | mg/lt | 25 | 225 | 78 | 65,5% |
| COD | mg/lt | 125 | 700 | 300 | 57,1% |
| Dissolved COD | mg/lt | - | 190 | 110 | 42,1% |
| SS | mg/lt | 35 | 550 | 15 | 97,3% |
| TP | mg/lt | 2 | 6,25 | 4,95 | 20,8% |



Remarks

- The wastewater parameters entering the wwtp were significantly reduced resulting in the overall reduction of the incoming organic loading.
- Odors, fats, oils and grease in the sewer grid, manholes and pumping stations were eliminated.
- Sewer pipelines and pumping stations were cleaned and therefore the standard cleaning maintenance was not required