



CASE STUDY (063-M-En) **Municipality of Therapnon - Lakonia**

INTRODUCTION

Iron and Manganese removal from well water – Water supply in Municipal District of Platanas (20 m³/h)

DATE OF IMPLEMENTATION

March 2009

Technical data

- ✓ Operating flowrate: 20 m³/hr
- ✓ Iron (Fe) Inlet Concentration: 170 ppb*
- ✓ Manganese (Mn) Inlet Concentration: 150 ppb*

Equipment

- ✓ Direct supply from the Drilling Pump equipped with inverter
- ✓ Backwash pump 40 m³/hr, air blower
- ✓ 50 m³/hr, 250 mbar
- ✓ 15 m³ filtrated (& backwash) water tank
- ✓ Aeration Pipe DN80 for Fe, Mn Oxidation
- ✓ Filtrated water transfer pump, 20 m³/hr, 10.5 bar
- ✓ Chlorination in the discharge line of the filtrated water transfer pump

Since 1980, TEMAK has been at the side of local communities covering their needs with reliability and consistency, having a full range of certified water treatment products.

Thanks to the systems manufacture in Greece and the high expertise of its specialized staff, TEMAK is able to offer total water treatment solutions, from study and design to manufacture and installation of required systems.

The 750.000 m³/day of clean potable water or water for general uses, produced daily from TEMAK's installed systems in Greece and 26 abroad countries, constitute the proof of our experience and know-how in water treatment.