



CASE STUDY (055-M-En) **Municipality of Karlovasi, Samos, Greece**

**Arsenic (As) removal from 2 wells in Agios
Ioannis & Mega Lakka – 2 x 10m³/h**

Date of implementation:
June 2008

Introduction
Potable water for Municipality of Karlovasi

Technical data
✓ Operating flowrate: 10 m³/hr
✓ Arsenic (As) Inlet Concentration:
Agios Ioannis : 20-55 ppb*
Megali Lakka : 60-100 ppb*

Equipment
✓ Feed water collection from 2 wells in a tank
✓ Filtrated water collection in a Municipality's tank
✓ Filter backwashing with air and filtrated water with the
flowrate of 20 m³/hr
✓ FeClSO₄ dosing, As agglomeration
✓ Treatment of backwash water
(As sedimentation in a 16 m³ tank)

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