

# Flaine - Drinking water treatment plant

**Country**

France

**Client**

Syndicat Intercommunal de Flaine

**Date**

2006-2008

**Cost of works**

€1.6m exc. VAT

**Sogreah's services**

- ▶ Design services and project supervision

**Context**

In the framework of increasing its drinking water production capacity, the Syndicat Intercommunal de Flaine decided to build a second drinking water treatment plant. Secure supplies to all the hamlets at Flaine should be guaranteed by interconnecting the western and eastern networks.

**Characteristics**

- ◆ Raw water quality: Surface water with problems of turbidity and bacterial contamination.
- ◆ Treatment capacity: 70 m<sup>3</sup>/h.
- ◆ Treatment process: Discharge regulation, injection of FeCl<sub>3</sub>, filtration on sand, remineralisation and adjustment by injecting CO<sub>2</sub> and filtration on neutralite, disinfection by chlorination.
- ◆ Option: Disinfection by UV.
- ◆ Capacity of treated water reservoir: 500 m<sup>3</sup>.
- ◆ Isolated mountain site at an altitude of 1600 m.

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