

Ocna Mures WWTP, Romania

Turnkey execution of wastewater treatment plant



The existing wastewater treatment plant at Ocna Mures in Alba County became technologically outdated and therefore was decommissioned.

The municipality decided for the building of a new state-of-the art

treatment plant, supported with co-financing of the EU (80%).

WABAG was awarded the contract for the turnkey-realisation of the new plant including civil construction and the demolition of existing structures.

The new WWTP features mechanical pre-treatment, activated sludge process for biological treatment and sludge treatment. The plant was commissioned in 2015.

Features

- Turn-key construction of municipal WWTP
- Mechanical and biological treatment
- 15,000 PE



Client
SC APA CTTA SA ALBA

Type of contract
EPC -turnkey execution

Financing
Co-financed by EU (80%)

Award of contract
July 2012

Commissioning
2015

Capacity
15,000 PE

Raw water
Municipal wastewater

Main Technology
Activated sludge process

Main Process Steps

- **Primary treatment:** Coarse and fine screen, sand removal, grease separation.
- **Biological treatment:** Activated sludge process for carbon reduction, nitrification, denitrification, biological reduction of phosphorus.
- **Sludge treatment:** Thickening, dewatering, lime conditioning, storage.
- Laboratory
- Auxiliary buildings

Scope:

- Design, engineering, supply and installation of mechanical and electrical equipment, SCADA automation system, instrumentation and laboratory equipment.
- Commissioning including civil construction works, training of operating team and operation and maintenance support for one year.



Parameter	Units	Limits
BOD ₅	mg/l	≤ 25
TSS	mg/l	≤ 35
COD	mg/l	≤ 125