

Petrotel LukOil ETP – Prahova County, Romania

Professional
Operation of ETP



NAIAD Water Solutions was awarded, in December 2024, the contract for the Operation and Maintenance of the Effluent Treatment Plant (ETP) from the Petrotel LukOil Refinery in Ploiesti.

The ETP has a capacity of 36.000 m³/d. NAIAD Water Solutions will be responsible for the operation and continuous monitoring and optimization of the plant performance.

The reasons for outsourcing the O&M services for the ETP were the intention to improve the efficiency of wastewater treatment and the attempt the compliance to strict environmental standards.

Features:

- Ensures that the treated effluent meets strict environmental standards and regulation
- Regular monitoring and testing are conducted to maintain compliance and protect the environment
- Implements strict safety protocols to protect the working environment

Client

Petrotel LukOil

Type

Industrial Outsourcing

Start of Operation

December 2024

Maximum Hydraulic Load

36.000 m³/d

Average Operation Load

17.500 m³/d

No. of Operating Personnel

96

Work Shifts

Total 5 shifts; 2 shifts per day;
each 12 hours

ETP – Main Technology

Slop oil recovery (API)
Dissolved air flotation (DAF)
Activated sludge process
Excess sludge dewatering
Water for firefighting system
(Reuse)

The Operation Services Include:

- Complete technical and commercial management of the plant
- Quality management according: ISO 9001, ISO 14001, OHSAS 18001
- Provision of Operation personnel
- Training and integration of personnel
- Reporting to client and public authorities
- Expert consulting for plant upgrading

Efficient Day-to-Day Operation:

- Sludge and slop treatment (dewatering/ purification)
- Laboratory services and reporting

Recycling:

Water recycling by partially reusing the treated effluent as PSI water (4.000 m³/d)

