

## Pre-treatment of landfill leachate on the landfill Albota, Romania

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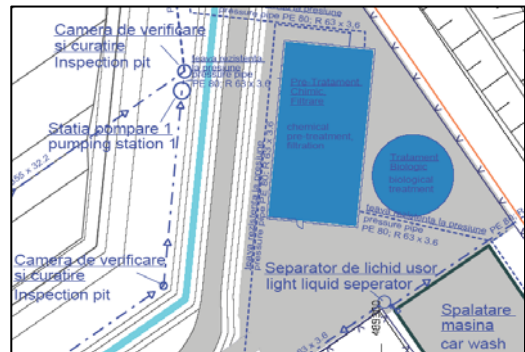
**Objective:** Installation of waste water treatment plant for pre-treatment of landfill leachate

**Location:** Pitesti, Romania

**Client:** Ministry of Environment  
Romania, Ministry of Public  
Finance (CFCU)

**Year:** since 2007

**Budget:** 10.000 € (total project  
budget 2.3 mill €)



### Initial Situation:

Landfill operation facility will be also designed within the closing of the old landfill Albota and construction of the new landfill body in the South-West of the city of Pitesti in Romania. The forecasted wastewater treatment facility is necessary for the pre-treatment of all existing leachates on the landfill. The separation of organic materials, nitrogen and phosphor components will be realised by biological treatment. The pre-treated water will be intermediate storage in the tank and transported by tanker to the final treatment in the treatment plant of Pitesti.

### Scope of Services:

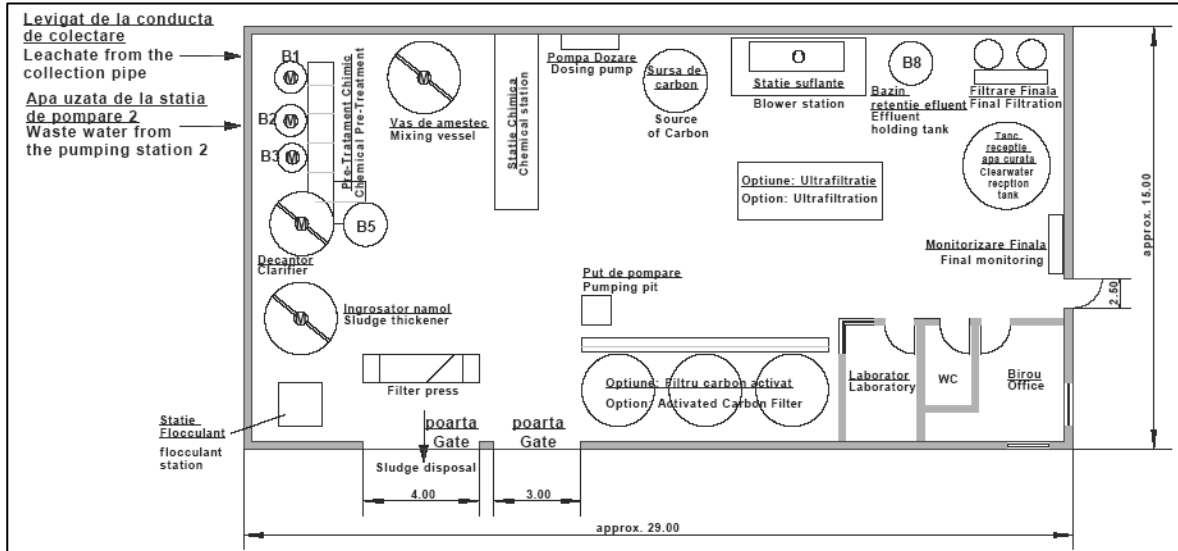
- Complete planning and site supervision of the pre-treatment plant according to Romanian and EU standards for the following wastewaters:
  - o Landfill leachate of old and new landfill body Albota as well as further regional landfills
  - o Condensate water from gas intake
  - o Process water from composting plant
  - o Wastewater from car wash
  - o Wastewater from sorting plant
- Planning of leachate storage tanks, biological sewage treatment, compressor and chemical station as well as sludge treatment facility
- Process Supervision
- Project Management

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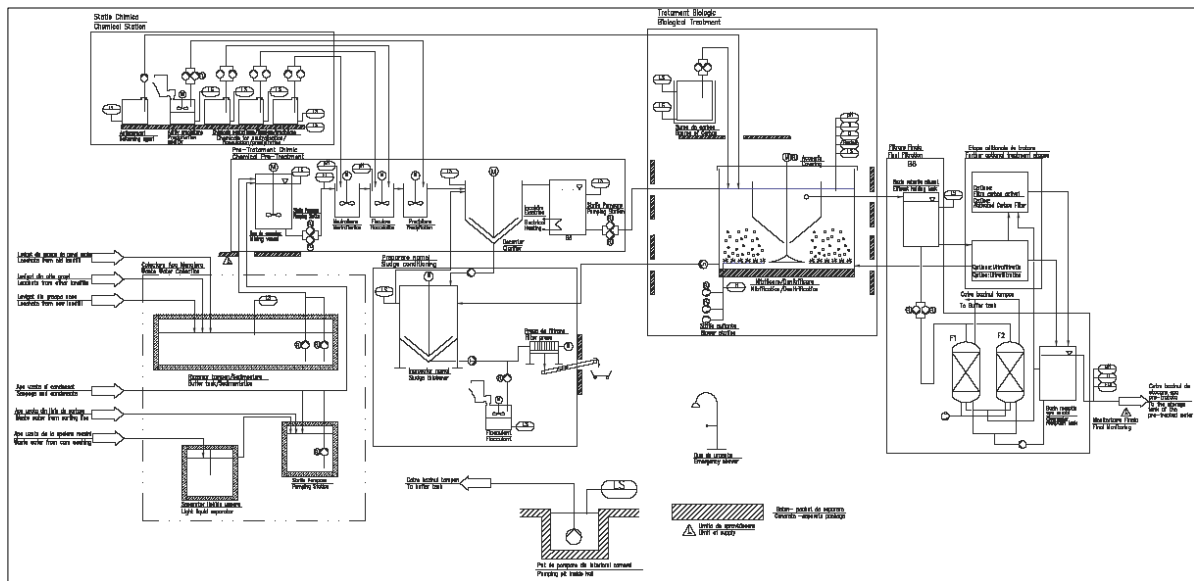
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Detailed plan

## Technical Data:

Daily leachate amount: 62 m<sup>3</sup>/d  
 Hourly flow: 2,6 m<sup>3</sup>/h



Flow sheet