

Supervision of closure of Pääsküla Landfill Tallinn, Estonia according to EU Landfill Directive

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Objective: Supervision of remediation and closure of Pääsküla landfill near Tallinn (Estonia)

Location: Tallinn /
Estonia

Client: Municipality
Tallinn

Beneficiary: Municipality
Tallinn

Duration: 2003 - 2005

Budget: 663.512 €



Initial situation:

According to EU Landfill Directive the landfill situated within the city limits of Tallinn, Estonia has to be secured and closed by a combined sealing based on the system according to German Waste Regulation (TASie). The surface sealing system consists of a base and levelling layer allowing gas migration, a mineralic sealing layer and a plastic sealing with protecting layer followed by drainage and recultivation layer. During closure of the landfill the extension of the degasification system as well as the establishment of a complete leachate and surface water drainage system has to be designed tendered and supervised. Over a length of 1.800 m the landfill will be sealed against the aquifer by vinyl sheet pile elements.



Scope of Services:

- Review of design document regarding relevance, compliance with the project objectives and financial sustainability
- Review of QMP and establishment of quality requirements
- Construction supervision of surface sealing as FIDIC-Engineer
- Quality Assurance
- Supervision of drainage system construction and extension of the degasification system
- Supervision of sheet piling
- HSE management, Contract management

Investment volume: 40 Mio. EUR

Area: ca. 30 ha