

Concept and Design of Reshaping and Covering the Sillamäe Radioactive Tailings Pond

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Project target: Technical support of the central and eastern European countries in preparations of environmentally sound remediation of tailings ponds.

Location: Estonia

Client: European Commission

Beneficiary: Ökosil Estonia

Time period: 1999 – 2000

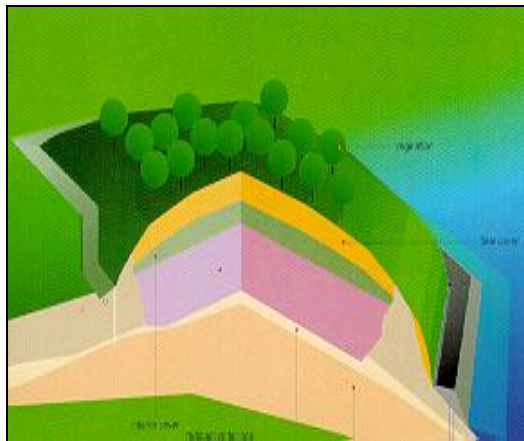
Budget: 450,000 EURO

Initial situation:



Sillamäe Radioactive Tailing Pond in 2000

- In Bulgaria, the Czech Republic, Estonia, Hungary, Poland, Romania and Slovenia there is a multitude of radioactive ponds containing the tailings of the former and currently still operating uranium milling.
- The uranium milling plant Sillamäe is selected as an example demonstrating the technological possibilities of dam stabilisation, reshaping and final covering.



Same object in 2006

Main tasks:

- Investigation and evaluation of the stability of the tailings pond.
- Development of a geotechnical investigation programme.
- Elaboration of technical immediate measures to prevent environmental dangers.
- Concept and design of measures for stabilisation, reshaping and final covering of the tailings pond.