



Landfill Markgrafneusiedl Kleeblatt (AT) Waterproofing

Country	Austria
Type	Reservoir/ basin
Client	Zöchling Abfallverwertung GmbH
Main Contractor	Renesco GmbH
Construction Period	2024

Project Description

Construction of a new reservoir/ basin for extinguishing water at the waste landfill Zoechling Markgrafneusiedl Kleeblatt.

Scope of Service

Supply & install of a double-liner (leak-controllable) system based on high-density-polyethylene (HD-PE) geomembranes according to ÖNORM-S-2073 (Landfills - Geosynthetic barrier - Polymeric geosynthetic barrier (GBR-P) - Requirements for the product and its installation).

- 1 x layer of clay
- HD-PE geomembrane, 5.10m roll-width, smooth/smooth, thickness of 1.5mm, 150m roll-length
- Geocomposite, HD-PE, drainage layer, intermediate layer geotextile 1.000gram
- HD-PE geomembrane, 7.5m roll-width, smooth /smooth, thickness of 2.5mm, 85m roll-length
- Control pipe-system with lockable capping
- Sensor System
- Fire brigade extraction line with connecting piece Storz couplings & fittings

The structural waterproofing for the reservoir, which contains water, was sealed with a geomembrane/ geocomposite, fully exposed to the water face, UV, ice/ frost, and local weather conditions. Approximately 2'000m² of geomembrane was installed.

Note

Renesco GmbH is a specialized and certified applicator according to ÖNORM-S-2073:2019.



1. Installation of the HD-PE geomembrane
2. Site view
3. Pump hose detail