



Stronger together

JOINT VENTURE REKS

Since December 2021, K+S Minerals and Agriculture GmbH and REMEX GmbH have held equal shares and equal rights in REKS GmbH & Co. KG. As part of the REKS joint venture, REMEX created a spin-off of its subsidiary AUREC and the REMEX department for the distribution of inorganic hazardous waste. Due to its scope, the joint venture is considered an industry milestone.

Disposal above and underground

The activities of REKS include the sale of waste for recovery or underground disposal and the covering of potash tailings piles, as well as the marketing of smelting salts and the acquisition of material flows for the REKAL plant in Sigmundshall. This is combined with efficient access to K+S disposal facilities, including two Underground Disposal Sites (UDS) and five Underground Recovery Sites (URS) in Saxony-Anhalt, Hesse and Thuringia.

The collaboration between K+S and REMEX opens up extensive possibilities for the recovery of materials in the process of covering large tailings piles at German potash sites. To prevent the formation of tailings pile water as a result of precipitation, the tailings piles are to be completely and effectively covered in the future through the application of new, environmentally friendly processes.



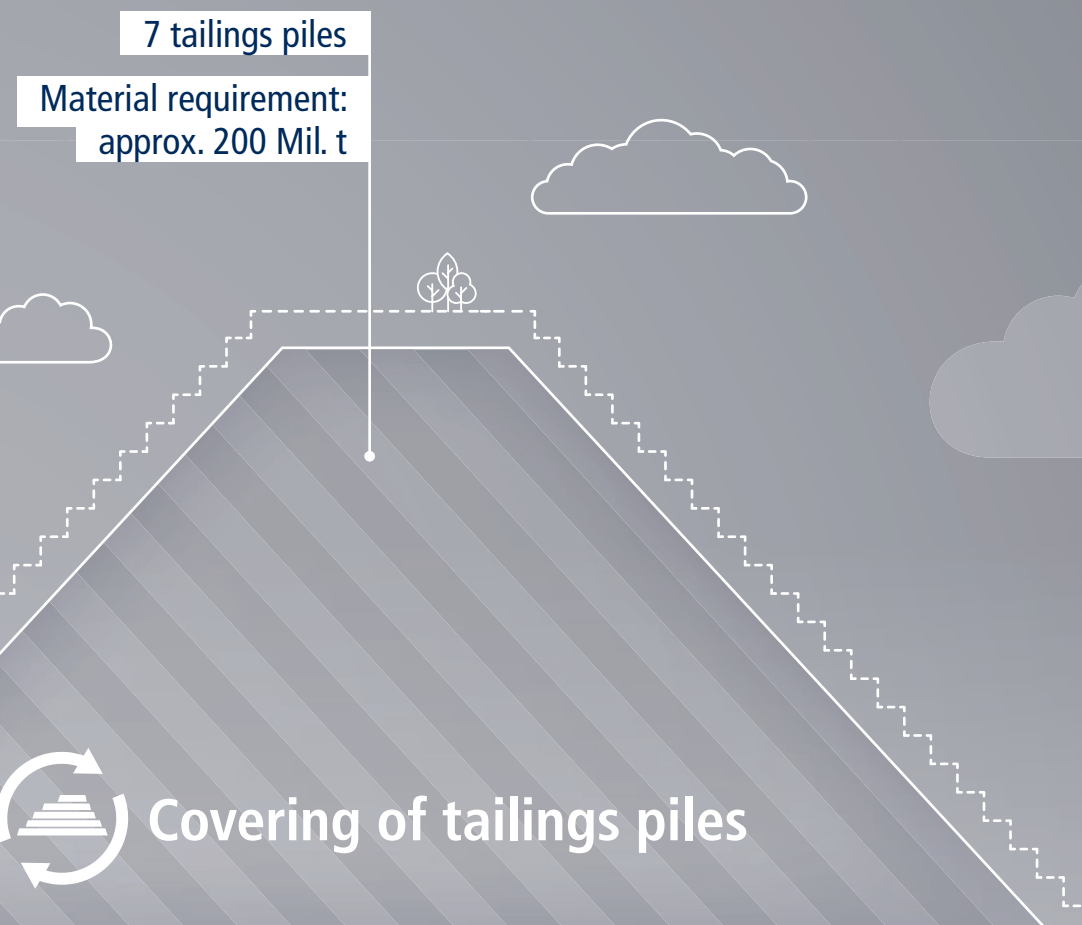
Thick layer method
Soil and construction waste are used as cover material in berms and subsequently vegetated. Due to the flatter angle compared to the thin layer method, there is a larger space and material requirement.



Thin layer covering
Using a bulk dumping method, the cover layer is applied to the tailings pile as parallel to the slope as possible. To achieve the required angle of repose, the cover material has to be conditioned.



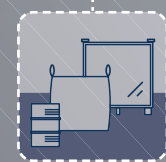
Infiltration inhibiting layer
When the last pile layer is applied, a thick evaporation layer is formed on the surface by adding insoluble components to the pile residue. This process is still in the pilot phase.



Underground disposal and recovery

2 UDS locations

Annual capacity: approx. 95k t



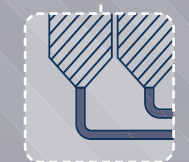
Safe disposal
In underground disposal sites, chemically toxic waste is disposed of in big bags, steel drums or containers, and is thus safely removed from the biosphere for the long term.

5 URS locations

Annual capacity: approx. 725k t



Stacking stowage
Waste is filled into big bags, transported underground and stacked in the excavation chambers; remaining cavities are filled with salt.



Slurry stowage
Waste that can be pneumatically conveyed is processed into suspensions according to special formulations and pumped through pipelines into cavities, where the material slowly solidifies.



Tipping stowage
Waste is deposited in bulk or in big bags and dumped in excavation chambers



REKS GmbH & Co. KG is headquartered in Dusseldorf and has an additional operating facility in Kassel. Business partners can access detailed information about all business activities on the company website > reks.de

REMEX is expanding ...

Investments in new companies and the resulting diversification are key building blocks for stable growth. Our group's current 15-year balance sheet speaks for itself!

