

Client _____ Municipality of Krems, Lower Austria
Location _____ Krems an der Donau
Disposal balance _____ Municipal landfill 1950-1970, total 200,000 m³, remediation of 16,000 m³, 50,000 m³
Types of waste _____ Household waste, demolition waste, landfill gas (methane)
Consulting Services provided _____ Technical and commercial site supervision
Work steps _____ Degassing, excavation, lowering of groundwater, refilling, recultivation
Year _____ 2008-2009

The contaminated landfill site N 61 "Rechte Kreamszeile" is the central area of a landfill in a former Danube Altar. By the end of the 1950s - about 50,000 cubic meters of excavated material, building rubble and household waste were deposited on an area of about 17,000 m².

Within the landfill body, degradation processes caused landfill gas production. Landfill gas migration to underground basements of neighbouring buildings could not be excluded, which presented considerable danger to human health and the environment.

In 2008, the sub-areas with increased landfill gas production with a total volume of around 38,000 m³, equalling about 75% of the volume of the contaminated site, were evacuated. The deposits still present in the area of the contaminated site currently have a low landfill gas production and do not present any significant danger to the environment. It is to be assumed that these deposits also have a low landfill gas generation potential, so that in the future no increased landfill gas production can be expected.



The contaminated landfill site N 61 "Rechte Kreamszeile" is considered to be rehabilitated (© UVP GmbH)

Remediation of Landfill Site Rechte Kramszeile



Remediation measures in groundwater fluctuation zone (© UVP GmbH)



Excavation of contaminated material (© UVP GmbH)



Contaminated soil in groundwater fluctuation zone (© UVP GmbH)



Aerobic treatment to reduce content of methane in nearby buildings (© UVP GmbH)



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