

Remediation of former dry cleaning Reintex in Bitterfeld

Facts

CITY:

Bitterfeld

CLIENT:

Landesanstalt für Altlastenfreistellung des Landes Sachsen-Anhalt, Magdeburg

CONTRACTOR:

STRABAG Umwelttechnik GmbH

ENGINEERING:

Mull und Partner Ingenieurgesellschaft mbH, Leipzig

CONTRACT VALUE:

EUR 0.6 mln.

DURATION:

5/2018 – 8/2018

- Remediation of environmental damage (VHH and BTX) large through large hole boring
- Operation of a soil drainage plant for the later disposal of the excavation material
- Existing groundwater at 2.5 m below surface; boring depth down to 9 m below surface
- Construction of circular bored pile wall 87 large hole borings, DN 1200; soil volume to be replaced = 1,200 m³
- Operation of a groundwater treatment plant (groundwater amount approx. 7.500 m³ during 19 weeks of operation)
- Infrastructural works (drinking water, power supply, sewage water)
- Preparation of an external drainage area for contaminated soil
- Operation of a groundwater treatment and air purification plant
- Monitoring of emissions (PID, groundwater monitoring well (12.5 m below surface)
- Backfilling with clay (9 m – 8 m below surface), gravel sand 2/32 (8 m – 1 m below surface) and crushed rock 0/45 (1 m – 0 m below surface)
- Installation of two new groundwater monitoring wells; concrete works (300 m²)
- Disposal of approx. 2300 t contaminated material up to DK II - limits

**STRABAG**