



Extent of realized geological works:

- geophysical measurements - 700 m
- atmogeochemic measurements - 72 measurements
- exploratory non-equipped boreholes (Geoprobe probes) - 20 pcs
- equipped monitoring boreholes - 7 pcs
- hydrodynamic tests - 2 pcs
- sampling work and field measurements
- laboratory work
- drawing up a final report with a risk analysis
- drawing up a feasibility study of remediation



Customer:



Ministry of Environment of the Slovak Republic
Námestie Ľ. Štúra 1
812 35 Bratislava

Contractor of geological works:

Group
of suppliers
- EB SURVEY



EKOHYDROGEO
ŽITNÝ



Geological Survey Results:

- Non-polar extractables (NELIR) and heavy metals (Pb) were found to be pollutants in the mineral environment. Pollution is present in both the aeration and satur. zones and has a point character.
- heavy metals (arsenic, chromium, nickel, lead), monobasic phenols and total organic carbon have been proven to be pollutants in groundwater
- the environmental risk in the contact (biological) zone has not been demonstrated
- the environmental risk from the spread of groundwater pollution (As, Cr, Ni, Pb) has been demonstrated
- the presence of health risks has not been confirmed
- target values for remediation were proposed for As, Cr, Ni and Pb
- the feasibility study evaluated the remediation methods applicable for removing of pollutants



Budget of the geological task: **102 128 €** (excluding VAT)

Solution time: **5/2015 - 10/2015**



ENVIGEO, Inc. Kynceľová 2, 974 11 Banská Bystrica

tel: +421 (48) - 471 24 30

fax: +421 (48) - 471 24 23

mail: envigeo@envigeo.sk

web: www.envigeo.eu