



Geological works were realized in the extent of:

- atmogeochemic measurements (2 measurements)
- geophysical measurements - 1 329 m
- exploratory non-equipped boreholes (Geoprobe probes) - 11 pcs
- equipped monitoring boreholes - 5 pcs
- hydrodynamic tests
- 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:



ENVIGEO, Inc.
Kynceľovská cesta 2/8
974 11 Banská Bystrica



Geological Survey Results:

- proven pollution of the mineral environment in the aeration zone (Cr, Cu, Ni, Pb, Zn) and point pollution (N-PES_{IR}, N-PES_{UV} a C₁₀-C₄₀)
- Ni, B and total organic carbon were found in groundwater
- the presence of environmental risk from contamination of the rock environment in the contact (biological) zone by pollutants (Cr^{III}, Cu, Ni and Zn) has been proven
- the presence of environmental risk has been demonstrated from the spread of groundwater pollution in the nickel indicator
- the presence of health risks has not been demonstrated
- remediation of environmental burdens was recommended and in the feasibility study has been identified applicable remediation methods for the type of pollution



Budget of the geological task: **92 093 €** (excluding VAT)

Solution time: **jan 29, 2014 - apr 29, 2015** (15 months)



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