



## Geological works were realized in the extent of:

- atmogeochemic measurements (40 measurements)
- geophysical measurements - 1 900 m
- exploratory non-equipped boreholes (Geoprobe probes) - 32 pcs
- equipped monitoring boreholes - 10 pcs
- building specific objects - 4 objects
- hydrodynamic tests - 5 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:**



ENVIGEO, Inc.  
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974 11 Banská Bystrica



## Geological Survey Results:

- proven pollution of the mineral environment by petroleum substances origin
- chlorinated hydrocarbons have been detected in groundwater with dominance 1,1,2,2-tetrachloroethene and vinyl chloride
- the presence of environmental risk has been demonstrated from the spread of groundwater pollution in indicators 1,1,2,2-tetrachloroethene, vinyl chloride and non-polar extractables substances
- identified presence of health risk of carcinogenic effects of 1,1,2,2-tetrachloroethene for the population in case of use of polluted groundwater from the garden well
- 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: **57 442 €** (excluding VAT)

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



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