

Geological models of landfills in Slovakia

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Abstract: Landfill is usually defined as an anthropogenic object situated in geological environment. Generally, landfills are highly polluted and from that point of view landfills represent potential sources of contamination for the surrounding environment. There is the possibility to differentiate the sources of contamination into two basic groups primary local sources (landfills, mine sites, dumps, hydraulic dumps, industrial and agricultural sites) and secondary sources (contaminated soils and groundwater). A practice example of interaction is shown in Fig. 1, where the landfill represents the source of contamination and zone of interaction is an area, which is directly endangered by contamination.

Key words: landfill, contamination, geophysics, engineering geology, hydrogeology

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