



# Natural Clay as Liner Material for the Waste Landfill

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Present State of the Art

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Disposal of hazardous material to a landfill involves the use of liner. The liner prevents toxic leachate permeating down into the underlying aquifers or nearby rivers. The primary purpose of the liner system is to isolate the landfill contents from the environment and, therefore, to protect the soil and ground water from pollution originating in the landfill. The lining of a landfill has a crucial role in preventing the waste escaping into and contaminating the soil and water around the site. There may be chemicals or unpleasant substances in the waste that need to be kept within the sealed area. Clay is used as essential materials for reducing the permeability of natural clay liners in landfill sites. Low porosity, slow diffusive transport, high adsorption of cations, and plasticity / swelling is among the interesting properties of clay. Natural Clay as Liner Material for the Waste Landfill provides a summary of recent information about the use of natural clay as liner material. The book is valuable for a diversity of applications in soil pollution.

- [Natural Beauty : Naturkosmetik zum Selbermachen. Mit Kokosöl zum Glow](#)
- [National Directory of Nonprofit Organizations 21 V2](#)
- [Natural Wonders of Vermont : A Guide to Parks, Preserves and Wild Places](#)
- [Natural History of Marine Animals](#)
- [National Test Papers 2008 Edition \(KS1 English/Maths\) : KS1 English/Maths \(QCA\)](#)
- [The National Preacher and the Prayer-Meeting, Vol. 39 : May and June, 1865 \(Classic Reprint\)](#)