

geologic and geotechnical evaluation of an open landfill

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This comprehensive evaluation delves into the critical geologic and geotechnical considerations for an open landfill site. It meticulously assesses subsurface conditions, soil mechanics, and potential stability risks, providing essential data for environmental compliance, engineering design, and ensuring long-term operational safety and integrity of the waste disposal facility.

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by OO IGE · Cited by 12 — This study investigates the geologic and geotechnical characteristics of a selected functional open landfill with a view of converting to a modern sanitary landfill. Required parameters for soils to be considered usable in such containment facility were evaluated. Results show that the site is locally underlain by.

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This study investigates the geologic and geotechnical characteristics of a selected functional open landfill with a view of converting to a modern sanitary landfill. Required parameters for soils to be considered usable in such containment facility were evaluated.

Geologic And Geotechnical Evaluation Of An Open Landfill ...

The disposal of solid waste in sanitary landfills is now increasingly gaining acceptance in many nations of the world. This is because of air, water, soil and other environmental pollution effects commonly associated with other methods of waste disposal. This study investigates the geologic and geotechnical ...

Ige, O.O. (2013) Geologic and Geotechnical Evaluation of ...

ABSTRACT: The vadose zone of a landfill site proposed as an integrated waste management facility was evaluated based on geohydrological, chemical and microbiological characteristics of the groundwater and underlying soil. These data were also used to assess ...

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engineering geological. evaluation of a proposed landfill ...

by GO Adeyemi · 2005 · Cited by 7 — compressibility of soil samples from the depth of 3.00m in the two test pits shows no significant variation, an indication that there is no likelihood of differential settlement if the site is used for disposal of solid wastes. If in-situ compaction and lining are done, the location can be used as a landfill site.

Geological Approach for Landfill Site Selection: A Case ...

by I Carevi · 2021 · Cited by 8 — This study shows that detailed geological data assets combined with geographical modeling represents a reliable way to define and locate the landfill site. Geological evaluation is discussed in detail with regard to bedrock lithology, quaternary geology, geological structure, hydrogeology, surface ...

(PDF) Geological Approach for Landfill Site Selection

1 Nov 2021 — An approach combining geographical modeling and geology is presented for determining the sites suitable for landfill selection with respect to their geologic favorability. As opposed to numerous research papers on this topic, in the methodological procedure, special importance is devoted to the analysis ...

Assessing Geotechnical Risks in the Frame of Landfill ...

by P Schneider · 2017 · Cited by 6 — The site evaluation includes the site identification, broad site screening, the detailed scoring of characteristics, the detailed site evaluation and comparison, and the final site decision. In the search for a location for new landfills following aspects are to be considered: the suitability of the geological ...