

**RISK ANALYSIS OF LANDFILL DESIGN RESPONSE
TO SEISMIC LOADING**

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ABSTRACT

This paper presents the involved risk of landfill design response to seismic loading. As case studies of the seismic impact zones to horizontal acceleration are selected the zones which exist in Greece according to the Greek Antiseismic Regulations (GAR). Comparisons and risk analysis and useful conclusions of the involved environmental hazard of landfill movement are made of the examining case studies.