



CURRENT STATUS, PROBLEMS AND THEIR COUNTERMEASURES OF MUNICIPAL SANITARY LANDFILLS IN THE SOUTHEAST OF CHINA

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ABSTRACT

The southeast of China is the most developed zone with the highest population density in China. It is a very urgent social problem how to treat so large amount of municipal solid waste (MSW). At present, the sanitary landfill is a main way to solve this problem. In this paper, the main environmental geotechnical problems of the current sanitary landfills is analyzed and discussed based on the in-site investigation. In the light of the topographic characters and geological conditions, the sanitary landfill sites can be divided into four types, i.e. hilly, plain, riverine or coastal and mining. Each type of landfill is described and discussed; finally, the countermeasures to solve these problems are put forward.

Key words: Municipal Sanitary Landfill, MSW, Environmental Geotechnical Problem, Countermeasure, Southeast of China.

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