

## **GEOTECHNICAL DESIGN ASPECTS OF SOLID WASTE MANAGEMENT**

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Identification, characterization and regulatory requirements for disposal of hazardous, non-hazardous and domestic wastes. Waste Management Recycling, composting, incineration and various disposal methods. Site selection and Geoenvironmental investigations. Natural attenuation process and mechanism of attenuation. Design practices of solid wastes. Tailing dams for disposal of flyash, coal, copper, iron and other metal wastes. Single and double lined landfill design, linear material clay, geosynthetics amended soils and other admixtures. Leachate collection and detection system. Landfill construction. Construction quality control and performance monitoring. Application of geosynthetics in waste disposal design.